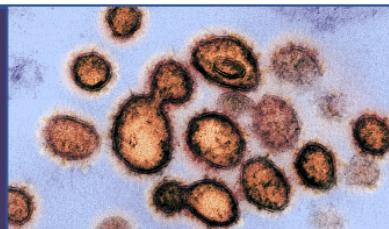


Covid-19

Literature Update



A CURATED SELECTION AND OVERVIEW OF COVID-19 PUBLICATIONS

Update December 13 - December 19, 2021,

Dr. Peter J. Lansberg MD, PhD

Weekly COVID-19 Literature Update
will keep you up-to-date with all recent PubMed publications
categorized by relevant topics

COVID-19 publications - Week 50 2021

1345 Publications

PubMed based Covid-19 weekly literature update

For those interested in receiving weekly updates
[click here](#)

For questions and requests for topics to add send an e-mail
lansberg@gmail.com

Reliable on-line resources for Covid 19

[WHO](#)

[Daily dashboard](#)

[Country Guidance](#)

[Travel restriction](#)

[Covid Counter](#)

[Covid forecasts](#)

[CDC](#)

[AHA](#)

[ESC](#)

[EMEA](#)

[Evidence EPPI](#)

[Wikipedia](#)

[Cardionerds - COVID-19](#)

[Genomic epidemiology](#)

[Oxygenation Ventilation toolkit](#)

[German \(ICU\) bed capacity](#)

[COVID-19 Projections tracker](#)

[Cochrane](#)

[BMJ](#)

[The Lancet](#)

[New England Journal of Medicine](#)

[JAMA](#)

[Cell](#)

[Science](#)

[Oxford University Press](#)

[Cambridge University Press](#)

[Springer Nature](#)

[Elsevier](#)

[Wiley](#)

[PLOS](#)

[LitCovid NIH-NLM](#)

[SSRN \(Pre-prints\)](#)

[COVID reference \(Steinbauer Verlag\)](#)

[Retracted papers](#)

[AAN - Neurology resources](#)
[COVID-19 resources \(Harvard\)](#)
[COVID-19 resources \(McMasters\)](#)
[COVID-19 resources \(NHLBI\)](#)
[COVID-19 resources \(MEDSCAPE\)](#)
[COVID-19 Diabetes \(JDRF\)](#)
[COVID-19 TELEMEDICINE \(BMJ\)](#)
[Global Causes of death \(Johns Hopkins\)](#)
[COVID-19 calculators \(Medscap\)](#)

[COVID-19 risk tools - Apps](#)
[Web app for SARS-CoV2 mutations](#)

Guidelines

[NICE Guidelines Covid-19](#)
[Korean CDC Covid-19 guidelines](#)
[Flattening the curve - Korea](#)
[IDSA COVID-19 Guidelines](#)
[Airway Management Clinical Practice Guidelines \(SIAARTI/EAMS, 2020\)](#)
[ESICM Ventilation Guidelines](#)
[Performing Procedures on Patients With Known or Suspected COVID-19 \(ASA, 2020\)](#)
[OSHA Guidance on Preparing the Workplace for COVID-19 \(2020\)](#)
[Policy for Sterilizers, Disinfectant Devices, and Air Purifiers \(FDA, 2020\)](#)
[Breast Cancer Patient Triage Guidelines \(CPBCC, 2020\)](#)
[clinical guidance for adult Belgian patients with suspected or confirmed COVID-19](#)
[National Covid-19 Testing Action Plan \(Rockefeller Foundation\)](#)
[ASE issues Echo-cardiography guidance](#)

Trials & Registries

[CAPACITY European registry COVID 19 patients](#)
[WHO launches global megatrial](#)
[FDA launches Convalescent plasma trial](#)
[Lets Beat Covid-19 Survey to help plan hospital services](#)
[COVID IBD registry](#)
[Google mobility reports per country COVID 19](#)
[World's largest trial of potential coronavirus treatments rolled out across the UK](#)
[Pregnancy Registry \(US\)](#)
[ICNARC report on COVID-19 in critical care - NHS April 24](#)
[COVID-19 Human Genetics - Biobanks](#)
[COVID19 settings of transmission database](#)
[COVID-19 prevention network](#)
[Covid-Plex trial - \(plasma exchange & convalescent plasma trial\)](#)

Media digest

[New York Times - Corona update](#)

The Omicron Shift in Europe: Pandemic or Endemic?
No Shots, No Day Care: Parents of Kids Under 5 Stuck in Grueling Limbo
Why Is Everyone So Angry? We Investigated.
Coronavirus Briefing: Supreme Court Blocks Vaccine Mandate
Unvaccinated women with Covid are more likely to lose fetuses and infants
Covid-19 was the leading cause of death among U.S. police officers
The Army of Millions Who Enforce China's Zero-Covid Policy, at All Costs
Over Half of Europe Could Be Infected With Coronavirus Soon, W.H.O. Says

Washington Post - Corona update

Doctors call out Spotify over Joe Rogan spreading ‘false and harmful claims
French teachers walk out of their classrooms in protest
CDC will let cruise rules expire as omicron surges on ships
Countries are imposing coronavirus vaccine mandates. How do they compare.
How fast the omicron variant is spreading in the world
How often can you safely reuse your KN95 or N95 mask?

Guardian - Corona update

UK scientists: bring in curbs now or face up to 2m daily Covid infections
Expect another Omicron wave in early summer, Sage says
More UK infants in hospital amid Omicron wave but experts urge calm
Hospitals in half of US states close to capacity as Omicron continues surge
Covid created 20 new ‘pandemic billionaires’ in Asia, says Oxfam

Key Articles

- 1. COVID-19 trends and severity among symptomatic children aged 0-17 years in 10 European Union countries, 3 August 2020 to 3 October 2021.**
Euro Surveill 2021; 26:Bundle N, Dave N, Pharris A et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915968>
This report estimated the risks of children developing severe COVID complications. Data were collected in ten European countries, and 820 404 symptomatic pediatric COVID cases were included (August 2020 – October 2021). The number of cases swelled with increased transmission rates. Severe CVOID in children is a rare occurrence but increased in the presence of co-morbidities; OR:8.7 (6.2-12.3). However, most of the admitted children (83.7%) had no co-morbidities. Hospitalized were 9 611 patients (1.2%), ICU admission was recorded for 640 children (0.8%) and 84 children (0.01%) died.

- 2. An in-depth analysis of 10 epidemiological terminologies used in the context of COVID-19.** Scand J Public Health
2021:14034948211057736 Doraiswamy S, Mamani R, Cheema S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903120>
The COVID pandemic is a source of contention between those promoting vaccination and other mitigation efforts and those rejecting these assumptions. Epidemiological terminology has expanded into heated debates on social media and traditional media. This publication reviews 10 commonly used

epidemiological terminologies, their significance, and interpretation/misinterpretation. A helpful resource for health care professionals aiming to facilitate more effective communication

3. **Safety of COVID-19 vaccination in patients with previous cerebral venous sinus thrombosis.** Thromb Res 2022; 209:84-85 Gil-Díaz A, Gil-Hernández A, Lozano-Jiménez AI et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896915>

After coronavirus vaccination, cerebral venous sinus thrombosis (CVST) is a very rare but serious adverse event with debilitating and sometimes fatal consequences. Are patients with a history of CVST at risk for a recurrence when vaccinated to prevent COVID. No recurrence or vaccine-related serious adverse event was observed in this prospective observational study that included 62 vaccinated CVST patients. The presented data supports the use of the SARS-CoV-2 vaccine in CVST patients.

4. **Epilepsy is overrepresented among young people who died from COVID-19: Analysis of nationwide mortality data in Hungary.** Seizure 2022; 94:136-141 Horváth RA, Sütő Z, Cséke B et al.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906799>

5. **Factors associated with persistence of symptoms 1 year after COVID-19: A longitudinal, prospective phone-based interview follow-up cohort study.** Eur J Intern Med 2021; Fumagalli C, Zocchi C, Tassetti L et al.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903448>

6. **Data Mining on COVID-19 Vaccines: Side Effects.** Proc Assoc Inf Sci Technol 2021; 58:869-871 You J, Shaik N, Chen H.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901408>

7. **Association of COVID-19 mortality with COVID-19 vaccination rates in Rhineland-Palatinate (Germany) from calendar week 1 to 20 in the year 2021: a registry-based analysis.** Eur. J. Epidemiol. 2021; 36:1231-1236 Wollschläger D, Gianicolo E, Bleßner M et al.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34897584>

8. **COVID-19 and Spanish flu-18: review of medical and social parallelisms between two global pandemics.** J. Prev. Med. Hyg. 2021; 62:E613-E620 Simonetti O, Martini M, Armocida E.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909487>

9. **Neuro-COVID-19.** Clin Exp Neuroimmunol 2021; Shimohata T.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899999>

10. **The Disease Severity and Clinical Outcomes of the SARS-CoV-2 Variants of Concern.** Front Public Health 2021; 9:775224 Lin L, Liu Y, Tang X, He D.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917580>

11. COVID-19 and Compulsory Vaccination: An Acceptable Form of Coercion? New Bioeth

2021;1-23Hurford JE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906027>

12. The Pathobiological Basis for Thrombotic Complications in COVID-19: a Review of the Literature. Curr Pathobiol Rep 2021;1-11Hoteit L, Deeb AP, Andraska EA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900401>

13. The atomic portrait of SARS-CoV-2 as captured by cryo-electron microscopy. J Cell Mol Med 2021; Fertig TE, Chitoiu L, Terinte-Balcan G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904376>

14. Epidemiological characterisation of the first 785 SARS-CoV-2 Omicron variant cases in Denmark, December 2021. Euro Surveill 2021; 26Espenhain L, Funk T, Overvad M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915977>

15. The mystery of COVID-19 reinfections: A global systematic review and meta-analysis. Ann Med Surg (Lond) 2021; 72:103130Dhillon RA, Qamar MA, Gilani JA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900250>

Omicron (10 articles)

- 1. Neutralization of SARS-CoV-2 Omicron variant by sera from BNT162b2 or Coronavac vaccine recipients. Clin Infect Dis 2021; Lu L, Mok BW, Chen LL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915551>**
- 2. The omicron variant of SARS-CoV-2: Understanding the known and living with unknowns. Clin Transl Med 2021; 11:e685Ingraham NE, Ingbar DH. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911167>**
- 3. Outbreak caused by the SARS-CoV-2 Omicron variant in Norway, November to December 2021. Euro Surveill 2021; 26Brandal LT, MacDonald E, Veneti L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915975>**
- 4. Epidemiological characterisation of the first 785 SARS-CoV-2 Omicron variant cases in Denmark, December 2021. Euro Surveill 2021; 26Espenhain L, Funk T, Overvad M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915977>**
- 5. Omicron variant (B.1.1.529) of SARS-CoV-2: Threat assessment and plan of action. Int J Surg 2022; 97:106187Choudhary OP, Dhawan M, Priyanka. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896627>**
- 6. Omicron SARS-CoV-2 variant: Unique features and their impact on pre-existing antibodies. J Autoimmun 2022; 126:102779Kannan SR, Spratt AN, Sharma K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915422>**
- 7. Online public interest in common malignancies and cancer screening during the COVID-19 pandemic in the United States. J Clin Transl Res 2021; 7:723-732Cohen SA, Ebrahimian S, Cohen LE, Tijerina JD. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901518>**

- 8. Omicron and Delta variant of SARS-CoV-2: A comparative computational study of spike protein.** J Med Virol 2021; Kumar S, Thambiraja TS, Karuppanan K, Subramaniam G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914115>
- 9. Characterization of the novel SARS-CoV-2 Omicron (B.1.1.529) Variant of Concern and its global perspective.** J Med Virol 2021; Saxena SK, Kumar S, Ansari S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905235>
- 10. Highly mutated SARS-CoV-2 Omicron variant sparks significant concern among global experts - What is known so far?** Travel Med Infect Dis 2021; 45:102234Poudel S, Ishak A, Perez-Fernandez J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896326>

Basic Science (51 articles)

- 1. Identification of homologous human miRNAs as antivirals towards COVID-19 genome.** Adv Cell Gene Ther 2021; 4:e114Singh J, Raina A, Sangwan N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901760>
- 2. Ultrasensitive Detection of Dopamine, IL-6 and SARS-CoV-2 Proteins on Crumpled Graphene FET Biosensor.** Adv Mater Technol 2021; 6:2100712Hwang MT, Park I, Heiranian M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901384>
- 3. A Rapid Detection of COVID-19 Viral RNA in Human Saliva Using Electrical Double Layer-Gated Field-Effect Transistor-Based Biosensors.** Adv Mater Technol 2021;2100842Paulose AK, Huang CC, Chen PH et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901383>
- 4. Redefining the importance of polylactide-co-glycolide acid (PLGA) in drug delivery.** Ann. Pharm. Fr. 2021; Chavan YR, Tambe SM, Jain DD et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896382>
- 5. WELPSA: A natural catalyst of alkali and alkaline earth metals for the facile synthesis of tetrahydrobenzo[b]pyrans and pyrano[2,3-d]pyrimidinones as inhibitors of SARS-CoV-2.** Appl. Organomet. Chem. 2021;e6469Nesaragi AR, Kamble RR, Hoolageri SR et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898800>
- 6. Structure-based virtual screening and molecular dynamics of phytochemicals derived from Saudi medicinal plants to identify potential COVID-19 therapeutics.** Arab J Chem 2020; 13:7224-7234Alamri MA, Altharawi A, Alabbas AB et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909058>
- 7. Exploring the interaction of quercetin-3-O-sophoroside with SARS-CoV-2 main proteins by theoretical studies: A probable prelude to control some variants of coronavirus including Delta.** Arab J Chem 2021; 14:103353Khan S, Hussain A, Vahdani Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909059>
- 8. A possible potential COVID-19 drug candidate: Diethyl 2-(2-(3-methyl-2-oxoquinoxalin-1(2H)-yl)acetyl)hydrazone)malonate: Docking of disordered independent molecules of a novel crystal structure, HSA/DFT/XRD and cytotoxicity.** Arab J Chem 2022; 15:103595Missiou M, Said MA, Demirtaş G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909067>
- 9. Potential bioactive compounds as SARS-CoV-2 inhibitors from extracts of the marine red alga *Halymenia durvillei* (Rhodophyta) - A computational study.** Arab J Chem 2021; 14:103393Tassakka A, Sumule O, Massi MN et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909061>

10. **The spike protein of SARS-CoV-2 virus induces heme oxygenase-1: Pathophysiologic implications.** *Biochim Biophys Acta Mol Basis Dis* 2021;166322Singh RD, Barry MA, Croatt AJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920080>
11. **Chemically modified mRNA beyond COVID-19: Potential preventive and therapeutic applications for targeting chronic diseases.** *Biomed. Pharmacother.* 2022; 145:112385Elkhalifa D, Rayan M, Negmeldin AT *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915673>
12. **Dexmedetomidine does not directly inhibit neutrophil extracellular trap production.** *Br J Anaesth* 2021; Corrideren R, Schmidt BE, Olson J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916052>
13. **Vitamin C inhibits Angiotensin-Converting Enzyme-2 in Isolated Rat Aortic Ring.** *Cardiovasc. Hematol. Disord. Drug Targets* 2021; Amssayef A, Bouadid I, Eddouks M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906063>
14. **SARS-CoV-2 ferritin nanoparticle vaccines elicit broad SARS coronavirus immunogenicity.** *Cell Rep.* 2021; 37:110143Joyce MG, Chen WH, Sankhala RS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919799>
15. ***)02:01 restricted T cell receptors against the highly conserved SARS-CoV-2 polymerase cross-react with human coronaviruses.** *Cell Rep.* 2021; 37:110167Nesterenko PA, McLaughlin J, Tsai BL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919800>
16. **IFP35 as a promising biomarker and therapeutic target for the syndromes induced by SARS-CoV-2 or influenza virus.** *Cell Rep.* 2021; 37:110126Yu Y, Xu N, Cheng Q *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910942>
17. **An Update on Pharmacological Relevance and Chemical Synthesis of Natural Products and Derivatives with Anti SARS-CoV-2 Activity.** *ChemistrySelect* 2021; 6:11502-11527Shagufta, Ahmad I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909460>
18. **Pandemic Strategies with Computational and Structural Biology against COVID-19: A Retrospective.** *Comput Struct Biotechnol J* 2021; Liu CH, Lu CH, Lin LT. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900126>
19. **Achieving end-to-end success in the clinic: Pfizer's learnings on R&D productivity.** *Drug Discov Today* 2021; Fernando K, Menon S, Jansen K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922020>
20. **Molecularly imprinted polypyrrole based sensor for the detection of SARS-CoV-2 spike glycoprotein.** *Electrochim Acta* 2022; 403:139581Ratautaite V, Boguzaitė R, Brazys E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898691>
21. **A virus-derived microRNA targets immune response genes during SARS-CoV-2 infection.** *EMBO Rep* 2021:e54341Singh M, Chazal M, Quarato P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914162>
22. **Risk-focused differences in molecular processes implicated in SARS-CoV-2 infection: corollaries in DNA methylation and gene expression.** *Epigenetics Chromatin* 2021; 14:54Konwar C, Asiimwe R, Inkster AM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895312>
23. **Evolutionary Dynamics of Indels in SARS-CoV-2 Spike Glycoprotein.** *Evol. Bioinform. Online* 2021; 17:11769343211064616Rao RSP, Ahsan N, Xu C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898980>
24. **Molecular docking and dynamic simulation of conserved B cell epitope of SARS-CoV-2 glycoprotein Indonesian isolates: an immunoinformatic**

- approach.** F1000Res 2021; 10Rantam FA, Kharisma VD, Sumartono C et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909175>
25. **Identification of potential inhibitors of SARS-CoV-2 S protein-ACE2 interaction by in silico drug repurposing.** F1000Res 2021; 10Tristán-Flores FE, Casique-Aguirre D, Pliego-Arreaga R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900223>
26. **Perspectives on Assembling Coronavirus Spikes on Fiber Optics to Reveal Broadly Recognizing Antibodies and Generate a Universal Coronavirus Detector.** Front Bioeng Biotechnol 2021; 9:637715Sypabekova M, Tosi D, Vangelista L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900951>
27. **Emerging Microfluidic Approaches for Platelet Mechanobiology and Interplay With Circulatory Systems.** Front Cardiovasc Med 2021; 8:766513Zhang Y, Ramasundara SZ, Prektes-Tardiani RE et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901226>
28. **Alterations in the Composition of Intestinal DNA Virome in Patients With COVID-19.** Front Cell Infect Microbiol 2021; 11:790422Lu ZH, Zhou HW, Wu WK et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900762>
29. **Sex-Specific Microglial Activation and SARS-CoV-2 Receptor Expression Induced by Chronic Unpredictable Stress.** Front. Cell. Neurosci. 2021; 15:750373Yan L, Jayaram M, Chithanathan K et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899189>
30. **Hotspot Mutations in SARS-CoV-2.** Front Genet 2021; 12:753440Saha I, Ghosh N, Sharma N, Nandi S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912372>
31. **COVIDSAVIOR: A Novel Sensor-Fusion and Deep Learning Based Framework for Virus Outbreaks.** Front Public Health 2021; 9:797808Pandya S, Sur A, Solke N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917585>
32. **ACE and ACE2: insights from Drosophila and implications for COVID-19.** Heliyon 2021; 7:e08555Herrera P, Cauchi RJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901515>
33. **Investigations into the efficacy of a novel extubation-aerosol shield: a cough model study.** Infect Prev Pract 2022; 4:100193Hasegawa G, Sakai W, Chaki T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901825>
34. **The OM-85 bacterial lysate inhibits SARS-CoV-2 infection of epithelial cells by downregulating SARS-CoV-2 receptor expression.** J Allergy Clin Immunol 2021; Pivniouk V, Pivniouk O, DeVries A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902435>
35. **Elucidating the role of N440K mutation in SARS-CoV-2 spike - ACE-2 binding affinity and COVID-19 severity by virtual screening, molecular docking and dynamics approach.** J Biomol Struct Dyn 2021;1-18Kullappan M, Mary U, Ambrose JM et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904526>
36. **COVID-19 and BRD4: a stormy and cardiotoxic bromo-romance.** J Cardiovasc Aging 2022; 2Robinson EL, McKinsey TA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901955>
37. **The atomic portrait of SARS-CoV-2 as captured by cryo-electron microscopy.** J Cell Mol Med 2021; Fertig TE, Chitoiu L, Terinte-Balcan G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904376>
38. **New low-cost biofilters for SARS-CoV-2 using Hymenachne grumosa as a precursor.** J Clean Prod 2022; 331:130000Demarco CF, Afonso TF, Schoeler GP et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898862>

39. **Omicron and Delta variant of SARS-CoV-2: A comparative computational study of spike protein.** J Med Virol 2021; Kumar S, Thambiraja TS, Karuppanan K, Subramaniam G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914115>
40. **Characterization of the novel SARS-CoV-2 Omicron (B.1.1.529) Variant of Concern and its global perspective.** J Med Virol 2021; Saxena SK, Kumar S, Ansari S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905235>
41. **Animal models for SARS-CoV-2 infection and pathology.** MedComm (2020) 2021; 2:548-568Bi Z, Hong W, Yang J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909757>
42. **Scenarios for the Integration of Microarray Gene Expression Profiles in COVID-19-Related Studies.** Methods Mol. Biol. 2022; 2401:195-215Bernasconi A, Cascianelli S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902130>
43. **Towards Determining the Epitopes of the Structural Proteins of SARS-CoV-2.** Methods Mol. Biol. 2022; 2410:265-272Thomas S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914051>
44. **CRISPR Engineering of Bacteriophage T4 to Design Vaccines Against SARS-CoV-2 and Emerging Pathogens.** Methods Mol. Biol. 2022; 2410:209-228Zhu J, Ananthaswamy N, Jain S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914049>
45. **Forced association of SARS-CoV-2 proteins with the yeast proteome perturb vesicle trafficking.** Microb Cell 2021; 8:280-296Klemm C, Wood H, Thomas GH et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909432>
46. **Rapid characterization of spike variants via mammalian cell surface display.** Mol. Cell 2021; 81:5099-5111.e5098Javanmardi K, Chou CW, Terrace CI et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919820>
47. **Generation and utility of a single-chain fragment variable monoclonal antibody platform against a baculovirus expressed recombinant receptor binding domain of SARS-CoV-2 spike protein.** Mol. Immunol. 2021; 141:287-296Salem R, El-Kholy AA, Waly FR et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915268>
48. **Peptides and peptidomimetics as therapeutic agents for Covid-19.** Pept Sci (Hoboken) 2021:e24245Dahal A, Sonju JJ, Kousoulas KG, Jois SD. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901700>
49. **Cellular miR-150-5p may have a crucial role to play in the biology of SARS-CoV-2 infection by regulating nsp10 gene.** RNA Biol. 2021:1-11Akula SM, Bolin P, Cook PP. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904915>
50. **Total synthesis of remdesivir.** Tetrahedron Lett. 2022; 88:153590Kumar Palli K, Ghosh P, Krishna Avula S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908617>
51. **Metal complexes of Tridentate Schiff base: Synthesis, Characterization, Biological Activity and Molecular Docking Studies with COVID-19 Protein Receptor.** Z Anorg Allg Chem 2021; Mohamed GG, Omar MM, Ahmed YM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908618>

Biomarkers - Genetics (121 articles)

1. **Wearable Sensors for Remote Health Monitoring: Potential Applications for Early Diagnosis of Covid-19.** Adv Mater Technol 2021:2100545Mirjalali S, Peng S, Fang Z et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901382>

- 2. A Rapid Detection of COVID-19 Viral RNA in Human Saliva Using Electrical Double Layer-Gated Field-Effect Transistor-Based Biosensors.** *Adv Mater Technol* 2021;2100842Paulose AK, Huang CC, Chen PH *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901383>
- 3. Multicenter study evaluating one multiplex RT-PCR assay to detect SARS-CoV-2, influenza A/B, and respiratory syncytia virus using the LabTurbo AIO open platform: epidemiological features, automated sample-to-result, and high-throughput testing.** *Aging (Albany NY)* 2021; 13:24931-24942Chung HY, Jian MJ, Chang CK *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897035>
- 4. Antibody screening at reduced pH enables preferential selection of potently neutralizing antibodies targeting SARS-CoV-2.** *AIChE J.* 2021; 67:e17440Madan B, Reddem ER, Wang P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898670>
- 5. COVID-19 and Immune-Mediated RBC Destruction.** *Am J Clin Pathol* 2021; Jacobs JW, Booth GS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919640>
- 6. Performance Accuracy of a Laboratory-Developed Real-Time RT-PCR Method for Detection of SARS-CoV-2 in Self-Collected Saliva Specimens.** *Ann. Clin. Lab. Sci.* 2021; 51:741-749Hata DJ, White EL, Jr., Bridgeman MM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921026>
- 7. Relationship between Antibody Levels and SARS-CoV-2 Reinfection.** *Ann. Clin. Lab. Sci.* 2021; 51:750-755Islamoglu MS, Cengiz M, Uysal BB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921027>
- 8. The mystery of COVID-19 reinfections: A global systematic review and meta-analysis.** *Ann Med Surg (Lond)* 2021; 72:103130Dhillon RA, Qamar MA, Gilani JA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900250>
- 9. Towards an efficient collection and transport of COVID-19 diagnostic specimens using genetic-based algorithms.** *Appl Soft Comput* 2022; 116:108264Tlili T, Masri H, Krichen S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903957>
- 10. SARS-CoV-2 infection and oxidative stress in early-onset preeclampsia.** *Biochim Biophys Acta Mol Basis Dis* 2021; 1868:166321Marín R, Pujol FH, Rojas D, Sobrevia L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920081>
- 11. The spike protein of SARS-CoV-2 virus induces heme oxygenase-1: Pathophysiologic implications.** *Biochim Biophys Acta Mol Basis Dis* 2021;166322Singh RD, Barry MA, Croatt AJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920080>
- 12. Welcome to the 16th volume of Biomarkers in Medicine.** *Biomark. Med.* 2022; 16:1-3Smith E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918947>
- 13. Novel nanostructure-coupled biosensor platform for one-step high-throughput quantification of serum neutralizing antibody after COVID-19 vaccination.** *Biosens. Bioelectron.* 2021; 199:113868Huang L, Li Y, Luo C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920226>
- 14. Novel nanostructure-coupled biosensor platform for one-step high-throughput quantification of serum neutralizing antibody after COVID-19 vaccination.** *Biosens. Bioelectron.* 2022; 199:113868Huang L, Li Y, Luo C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920226>
- 15. Graphene-based hybrid electrical-electrochemical point-of-care device for serologic COVID-19 diagnosis.** *Biosens. Bioelectron.* 2021; 199:113866Mattioli IA, Castro KR, Macedo LJA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915214>

16. **Graphene-based hybrid electrical-electrochemical point-of-care device for serologic COVID-19 diagnosis.** *Biosens. Bioelectron.* 2022; 199:113866Mattioli IA, Castro KR, Macedo LJA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915214>
17. **Monitoring for COVID-19 by universal testing in a homeless shelter in Germany: a prospective feasibility cohort study.** *BMC Infect. Dis.* 2021; 21:1241Lindner AK, Sarma N, Rust LM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895157>
18. **IgG antibody titers against SARS-CoV-2 nucleocapsid protein correlate with the severity of COVID-19 patients.** *BMC Microbiol.* 2021; 21:351Yang L, Xu Q, Yang B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922455>
19. **Population impact of SARS-CoV-2 variants with enhanced transmissibility and/or partial immune escape.** *Cell* 2021; 184:6229-6242.e6218Bushman M, Kahn R, Taylor BP *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910927>
20. ***)02:01 restricted T cell receptors against the highly conserved SARS-CoV-2 polymerase cross-react with human coronaviruses.** *Cell Rep.* 2021; 37:110167Nesterenko PA, McLaughlin J, Tsai BL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919800>
21. **IFP35 as a promising biomarker and therapeutic target for the syndromes induced by SARS-CoV-2 or influenza virus.** *Cell Rep.* 2021; 37:110126Yu Y, Xu N, Cheng Q *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910942>
22. **Diagnostic Accuracy of D-Dimers for Predicting Pulmonary Embolism in COVID-19-Patients.** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211057901Laouan Brem F, Asmae B, Amane Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905979>
23. **Evaluation of Abbott ID NOW COVID-19 POC test performance characteristics and integration in the regional health network workflows to improve health care delivery.** *Clin. Biochem.* 2021; Babic N, Garner KS, Hirschhorn JW *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896098>
24. **Commercial immunoassays for detection of anti-SARS-CoV-2 spike and RBD antibodies: urgent call for validation against new and highly mutated variants.** *Clin Chem Lab Med.* 2021; Lippi G, Adeli K, Plebani M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911171>
25. **Prognostic value of circulating calprotectin levels on the clinical course of COVID-19 differs between serum, heparin, EDTA and citrate sample types.** *Clin Chim Acta* 2021; 525:54-61Nevejan L, Strypens T, Van Nieuwenhove M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919937>
26. **Prognostic value of circulating calprotectin levels on the clinical course of COVID-19 differs between serum, heparin, EDTA and citrate sample types.** *Clin Chim Acta* 2022; 525:54-61Nevejan L, Strypens T, Van Nieuwenhove M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919937>
27. **Effects of vitamin D receptor gene polymorphisms on the prognosis of COVID-19.** *Clin. Endocrinol. (Oxf.)* 2021; Apaydin T, Polat H, Dincer Yazan C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919268>
28. **Severe breakthrough COVID-19 with a heavily mutated variant in a multiple myeloma patient 10 weeks after vaccination.** *Clin Infect Pract* 2022; 13:100130Stampfer SD, Goldwater MS, Bujarski S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909634>
29. **Hyperglycemia and insulin resistance in COVID-19 versus non-COVID critical illness: Are they really different?** *Crit Care* 2021; 25:437Langouche L, Van den

- Berghe G, Gunst J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920750>
30. **Plasma Apolipoproteins A1/B and OxLDL Levels in Patients with Covid-19 As Possible Markers of the Disease.** *Cytol Genet* 2021; 55:519-523Pushkarev VV, Sokolova LK, Chervyakova SA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898734>
31. **Duration of SARS-CoV-2 viremia and its correlation to mortality and inflammatory parameters in patients hospitalized for COVID-19: a cohort study.** *Diagn. Microbiol. Infect. Dis.* 2021; 102:115595Hagman K, Hedenstierna M, Rudling J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896666>
32. **Performance of a rapid antigen test for SARS-CoV-2 in Kenya.** *Diagn. Microbiol. Infect. Dis.* 2021; 102:115591Onsongo SN, Otieno K, van Duijn S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920265>
33. **Performance of a rapid antigen test for SARS-CoV-2 in Kenya.** *Diagn. Microbiol. Infect. Dis.* 2022; 102:115591Onsongo SN, Otieno K, van Duijn S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920265>
34. **Developing RT-LAMP assays for rapid diagnosis of SARS-CoV-2 in saliva.** *EBioMedicine* 2021; 75:103736Huang X, Tang G, Ismail N, Wang X. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922321>
35. **Molecularly imprinted polypyrrole based sensor for the detection of SARS-CoV-2 spike glycoprotein.** *Electrochim Acta* 2022; 403:139581Ratautaite V, Boguzaitė R, Brazys E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898691>
36. **Autoimmune Thrombocytopenia in SLE and COVID-19.** *Eur J Case Rep Intern Med* 2021; 8:002863Pratama YS, Pradiptakirana R, Rachmah A, Prabowo NA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912736>
37. **Cognitive impairment and endothelial dysfunction in convalescent COVID-19 patients undergoing rehabilitation.** *Eur. J. Clin. Invest.* 2022; 52:e13726Moretta P, Maniscalco M, Papa A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921559>
38. **Evaluation of Soluble Fibrin Monomer Complex in Patients in SARS-CoV-2 COVID-19 Infection Associated Coagulopathy.** *Eur. J. Haematol.* 2021; Sridharan M, Navitskas S, Kock E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921683>
39. **Evaluation of soluble fibrin monomer complex in patients in SARS-CoV-2 COVID-19 infection-associated coagulopathy.** *Eur. J. Haematol.* 2021; Sridharan M, S DN, E MK *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921683>
40. **Establishment of a quantitative RT-PCR detection of SARS-CoV-2 virus.** *Eur. J. Med. Res.* 2021; 26:147Jiang Y, Zhang S, Qin H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920757>
41. **Hematologic and coagulopathy parameter as a survival predictor among moderate to severe COVID-19 patients in non- ICU ward: a single-center study at the main referral hospital in Surabaya, East Java, Indonesia.** *F1000Res* 2021; 10:791Bintoro SUY, Dwijayanti NMI, Pramudya D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904053>
42. **Paper-Based Point-of-Care Testing of SARS-CoV-2.** *Front Bioeng Biotechnol* 2021; 9:773304Jia Y, Sun H, Tian J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912791>
43. **Perspectives on Assembling Coronavirus Spikes on Fiber Optics to Reveal Broadly Recognizing Antibodies and Generate a Universal Coronavirus Detector.** *Front Bioeng Biotechnol* 2021; 9:637715Sypabekova M, Tosi D, Vangelista L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900951>

- 44. Alterations in the Composition of Intestinal DNA Virome in Patients With COVID-19.** *Front Cell Infect Microbiol* 2021; 11:790422Lu ZH, Zhou HW, Wu WK et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900762>
- 45. Current HLA Investigations on SARS-CoV-2 and Perspectives.** *Front Genet* 2021; 12:774922Douillard V, Castelli EC, Mack SJ et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912378>
- 46. Hotspot Mutations in SARS-CoV-2.** *Front Genet* 2021; 12:753440Saha I, Ghosh N, Sharma N, Nandi S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912372>
- 47. Activation of Intracellular Complement in Lungs of Patients With Severe COVID-19 Disease Decreases T-Cell Activity in the Lungs.** *Front. Immunol.* 2021; 12:700705Howell MC, Green R, McGill AR et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899680>
- 48. The Global Epidemic of the SARS-CoV-2 Delta Variant, Key Spike Mutations and Immune Escape.** *Front. Immunol.* 2021; 12:751778Tian D, Sun Y, Zhou J, Ye Q. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917076>
- 49. IL 33 Correlates With COVID-19 Severity, Radiographic and Clinical Finding.** *Front Med (Lausanne)* 2021; 8:749569Markovic SS, Jovanovic M, Gajovic N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917631>
- 50. Carnitine and COVID-19 Susceptibility and Severity: A Mendelian Randomization Study.** *Front Nutr* 2021; 8:780205Li C, Ou R, Wei Q, Shang H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901126>
- 51. The Disease Severity and Clinical Outcomes of the SARS-CoV-2 Variants of Concern.** *Front Public Health* 2021; 9:775224Lin L, Liu Y, Tang X, He D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917580>
- 52. COVIDSAVIOR: A Novel Sensor-Fusion and Deep Learning Based Framework for Virus Outbreaks.** *Front Public Health* 2021; 9:797808Pandya S, Sur A, Solke N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917585>
- 53. Point-of-Care Diagnostic Tools for Surveillance of SARS-CoV-2 Infections.** *Front Public Health* 2021; 9:766871Sakthivel D, Delgado-Diaz D, McArthur L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900912>
- 54. COVID-19 serology in nursing homes and long-term care facilities: prevalence of seroconversion in the Amiens-Picardie University Hospital.** *Geriatr. Psychol. Neuropsychiatr. Vieil.* 2021; Moyet J, Joseph C, Brochot E et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903505>
- 55. ACE and ACE2: insights from Drosophila and implications for COVID-19.** *Heliyon* 2021; 7:e08555Herrera P, Cauchi RJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901515>
- 56. The relationship between COVID-19 viral load and disease severity: A systematic review.** *Immun Inflamm Dis* 2021; Dadras O, Afsahi AM, Pashaei Z et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904379>
- 57. Strategies to implement SARS-CoV-2 point-of-care testing into primary care settings: a qualitative secondary analysis guided by the Behaviour Change Wheel.** *Implement Sci Commun* 2021; 2:139Kierkegaard P, Hicks T, Allen AJ et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922624>
- 58. Neutrophil-to-lymphocyte and Platelet-to-lymphocyte Ratios in those with Pulmonary Embolism in the Course of Coronavirus Disease 2019.** *Indian J. Crit. Care Med.* 2021; 25:1133-1136Akkus C, Yilmaz H, Duran R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916745>

59. **An episode of transmission of COVID-19 from a vaccinated healthcare worker to co-workers.** *Infect Dis (Lond)* 2021;1-6Ehelepola NDB, Wijewardana BAS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904921>
60. **Genome sequencing of SARS-CoV-2 reveals the prevalence of variant B 1.1.7 in Egypt.** *Infect Genet Evol* 2021; 97:105191Seadawy MG, Gad AF, Abo-Elmaaty SA, Hassan MG. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923158>
61. **Prognostic role of Interleukin-6/lymphocytes ratio in SARS-CoV2 related pneumonia.** *Int Immunopharmacol* 2021; 103:108435Masotti L, Grifoni E, Pelagalli G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920336>
62. **A Pooled RT-PCR Testing Strategy for More Efficient Covid-19 Pandemic Management.** *Int J Infect Dis* 2021; Ayaz A, Demir AGO, Ozturk G, Kocak M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922006>
63. **Baseline uric acid levels and steady-state favipiravir concentrations are associated with occurrence of hyperuricemia among COVID-19 patients.** *Int J Infect Dis* 2021; 115:218-223Koseki T, Nakajima K, Iwasaki H et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910957>
64. **GENOMIC CHARACTERIZATION OF SARS-CoV-2 AND ITS ASSOCIATION WITH CLINICAL OUTCOMES: A ONE-YEAR LONGITUDINAL STUDY OF THE PANDEMIC IN COLOMBIA.** *Int J Infect Dis* 2021; Ruiz-Sternberg Á M, Chaparro-Solano HM, Albornoz LLA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920122>
65. **Resistance or pitfall in heparin monitoring: An ongoing issue in COVID-19 anticoagulation.** *Int. J. Lab. Hematol.* 2021; Alsagaff MY, Mulia EPB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914184>
66. **Omicron variant (B.1.1.529) of SARS-CoV-2: Threat assessment and plan of action.** *Int J Surg* 2021; 97:106187Choudhary OP, Dhawan M, Priyanka. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896627>
67. **Different Respiratory Samples for COVID-19 Detection by Standard and Direct Quantitative RT-PCR: A Literature Review.** *Iran J Pharm Res* 2021; 20:285-299Ahmadzadeh M, Vahidi H, Mahboubi A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903989>
68. **Elucidating the role of N440K mutation in SARS-CoV-2 spike - ACE-2 binding affinity and COVID-19 severity by virtual screening, molecular docking and dynamics approach.** *J Biomol Struct Dyn* 2021;1-18Kullappan M, Mary U, Ambrose JM et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904526>
69. **COVID-19 and BRD4: a stormy and cardiotoxic bromo-romance.** *J Cardiovasc Aging* 2022; 2Robinson EL, McKinsey TA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901955>
70. **The atomic portrait of SARS-CoV-2 as captured by cryo-electron microscopy.** *J Cell Mol Med* 2022; 26:25-34Fertig TE, Chitoiu L, Terinte-Balcan G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904376>
71. **Difference in sensitivity between SARS-CoV-2-specific T cell assays in patients with underlying conditions. Reply.** *J. Clin. Invest.* 2021; 131Tan AT, Le Bert N, Bertoletti A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907917>
72. **Monitoring the SPREAD of the SARS-CoV-2 lineage B.1.621 in Udine, Italy.** *J. Clin. Pathol.* 2021; Mio C, Dal Secco C, Marzinotto S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911747>
73. **Combined Blood Indexes of Systemic Inflammation as a Mirror to Admission to Intensive Care Unit in COVID-19 Patients: A Multicentric Study.** *J Epidemiol*

Glob Health 2021;1-10Hamad DA, Aly MM, Abdelhameid MA *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904189>

74. **Constructing tongue coating recognition model using deep transfer learning to assist syndrome diagnosis and its potential in noninvasive ethnopharmacological evaluation.** J. Ethnopharmacol. 2022; 285:114905Wang X, Wang X, Lou Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896205>
75. **Twelve lateral flow immunoassays (LFAs) to detect SARS-CoV-2 antibodies.** J. Infect 2021; Owen SI, Williams CT, Garrod G *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906597>
76. **IL-17A in COVID-19 Cases: a meta-analysis.** J Infect Dev Ctries 2021; 15:1630-1639Fadlallah S, Sham Eddin MS, Rahal EA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898490>
77. **High SARS-CoV-2 viral load and low CCL5 expression levels in the upper respiratory tract are associated with COVID-19 severity.** J Infect Dis 2021; Pérez-García F, Martin-Vicente M, Rojas-García RL *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34910814>
78. **Emergence of a novel SARS-CoV-2 Pango lineage B.1.1.526 in West Bengal, India.** J Infect Public Health 2022; 15:42-50Sarkar R, Saha R, Mallick P *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896696>
79. **Sequential dynamics of virological and serological changes in the serum of SARS-CoV-2 infected patients.** J Med Virol 2021; Ouoba S, Okimoto M, Nagashima S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897741>
80. **Characterization of the novel SARS-CoV-2 Omicron (B.1.1.529) Variant of Concern and its global perspective.** J Med Virol 2021; Saxena SK, Kumar S, Ansari S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905235>
81. **Glycemic control is associated with lower odds of mortality and successful extubation in severe COVID-19.** J Osteopath Med 2021; Pescatore JM, Sarmiento J, Hernandez-Acosta RA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908253>
82. **Immunologic markers, vasculitis-associated autoantibodies, and complement levels in patients with COVID-19.** J. Res. Med. Sci. 2021; 26:103Mobini M, Ghasemian R, Vahedi Larijani L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899941>
83. **Complement system component dysregulation is a distinctive feature of COVID-19 disease: a prospective and comparative analysis of patients admitted to the emergency department for suspected COVID-19 disease.** J. Thromb. Thrombolysis 2021:1-10Gauchel N, Rieder M, Krauel K *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904186>
84. **COVID-19 PCR test performance on samples stored at ambient temperature.** J. Virol. Methods 2021; 301:114404Agaoglu NB, Yildiz J, Akgun Dogan O *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921841>
85. **Performance of RT-qPCR detection of SARS-CoV-2 in unextracted nasopharyngeal samples using the Seegene Allplex(TM) 2019-nCoV protocol.** J. Virol. Methods 2022; 300:114429Barros FRO, Leite DCA, Guimarães LJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34919975>
86. **Improvement of SARS-CoV-2 screening using pooled sampling testing in limited RT-qPCR resources.** J. Virol. Methods 2022; 300:114421Bensaada M, Smaali MA, Bahi O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915089>

- 87. Use of Sanger protocols to identify variants of concern, key mutations and track evolution of SARS-CoV-2.** *J. Virol. Methods* 2022; 300:114422Cabral GB, Ahagon CM, de Souza Guimarães PM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915086>
- 88. Comparison of in-house SARS-CoV-2 genome extraction procedures. A need for COVID-19 pandemic.** *J. Virol. Methods* 2022; 300:114415Martín G, Rojo-Alba S, Castelló-Abietar C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902458>
- 89. Evaluation of two RT-PCR techniques for SARS-CoV-2 RNA detection in serum for microbiological diagnosis.** *J. Virol. Methods* 2022; 300:114411Martín Ramírez A, Zurita Cruz ND, Gutiérrez-Cobos A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910983>
- 90. A fast and cheap in-house magnetic bead RNA extraction method for COVID-19 diagnosis.** *J. Virol. Methods* 2022; 300:114414Possebon FS, Ullmann LS, Malossi CD *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896456>
- 91. Evaluation of antigen-based rapid detection test for the diagnosis of SARS CoV-2 in low-income countries.** *J. Virol. Methods* 2022; 300:114409Randriamahazo TR, Andrianarivelo AM, Rakotoarivo AT *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896454>
- 92. Relation of vitamin D to COVID-19.** *J. Virol. Methods* 2021; 301:114418Saxena P, Nigam K, Mukherjee S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919979>
- 93. Clinico-histopathologic and single nuclei RNA sequencing insights into cardiac injury and microthrombi in critical COVID-19.** *JCI Insight* 2021; Brener MI, Hulke ML, Fukuma N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905515>
- 94. Strong relationship between cholesterol, low-density lipoprotein receptor, Na(+)/H(+) exchanger, and SARS-CoV-2: this association may be the cause of death in the patient with COVID-19.** *Lipids Health Dis.* 2021; 20:179Cure E, Cumhur Cure M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895256>
- 95. Evaluation of N/LP Ratio as a Predictor of Disease Progression and Mortality in COVID-19 Patients Admitted to the Intensive Care Unit.** *Medeni Med J* 2021; 36:241-248Cakir Guney B, Hayiroglu M, Senocak D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915683>
- 96. Longitudinal SARS-CoV-2 Seroconversion Course and Antibody Levels by Blood Groups in Convalescent Plasma Donors in Turkey.** *Medeni Med J* 2021; 36:185-192Karaca A, Guncikan MN, Sozmen NN *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915675>
- 97. Scenarios for the Integration of Microarray Gene Expression Profiles in COVID-19-Related Studies.** *Methods Mol. Biol.* 2022; 2401:195-215Bernasconi A, Cascianelli S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902130>
- 98. Testing Denmark: a Danish Nationwide Surveillance Study of COVID-19.** *Microbiol Spectr* 2021; 9:e0133021Fogh K, Strange JE, Scharff B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908473>
- 99. Serological Detection of SARS-CoV-2 IgG Using Commercially Available Enzyme Immunoassays on Dried Blood Spots Collected from Patients.** *Microbiol Spectr* 2021; 9:e0124521Walker GJ, Davis R, Naing Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908472>
- 100. Rapid characterization of spike variants via mammalian cell surface display.** *Mol. Cell* 2021; 81:5099-5111.e5098Javanmardi K, Chou CW, Terrace CI *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919820>

101. **25-Hydroxyvitamin D level is associated with mortality in patients with critical COVID-19: a prospective observational study in Mexico City.** [Nutr. Res. Pract.](#) 2021; 15:S32-s40Parra-Ortega I, Alcara-Ramírez DG, Ronzon-Ronzon AA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909131>
102. **Feasibility and Acceptability of Community Coronavirus Disease 2019 Testing Strategies (FACTS) in a University Setting.** [Open Forum Infect Dis](#) 2021; 8:ofab495Hirst JA, Logan M, Fanshawe TR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904117>
103. **Lymphopenia: A useful predictor of COVID-19 disease severity and mortality.** [Pak J Med Sci](#) 2021; 37:1984-1988Toori KU, Qureshi MA, Chaudhry A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912430>
104. **Modeling the number of people infected with SARS-CoV-2 from wastewater viral load in Northwest Spain.** [Sci Total Environ](#) 2021; 811:152334Vallejo JA, Trigo-Tasende N, Rumbo-Feal S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921882>
105. **SARS-CoV-2 genome quantification in wastewaters at regional and city scale allows precise monitoring of the whole outbreaks dynamics and variants spreading in the population.** [Sci Total Environ](#) 2021; 810:152213Wurtzer S, Waldman P, Levert M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896511>
106. **Detection of SARS-CoV-2 by using real-time PCR nasopharyngeal swabs in suspected patients and their clinical medication.** [Sens Int](#) 2022; 3:100148Mazhar MW, Raza A, Shaheen T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901893>
107. **Rapid electrochemical immunodetection of SARS-CoV-2 using a pseudo-typed vesicular stomatitis virus model.** [Talanta](#) 2021; 239:123147Ashur I, Alter J, Werbner M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920254>
108. **A novel microfluidic RNA chip for direct, single-nucleotide specific, rapid and partially-degraded RNA detection.** [Talanta](#) 2021;122974Zhang S, Chen J, Liu D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920889>
109. **The Implementation and Acceptability of a Combined Mobile Application with a COVID-19 at-Home Test Kit.** [Telemed J E Health](#) 2021; Zai AH, Caffrey M, O'Brien CS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898259>
110. **Sustained inflammation, coagulation activation and elevated endothelin-1 levels without macrovascular dysfunction at 3 months after COVID-19.** [Thromb Res](#) 2022; 209:106-114Willemse LH, Nagy M, Ten Cate H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922160>
111. **Analyzing Correlation of Clinical Severity of COVID-19 with Other Biochemical Parameters: A Retrospective Study from Pakistan.** [Tohoku J. Exp. Med.](#) 2021; 255:315-323Hassan Shah SST, Naeem I, Wahid B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911879>
112. **Differentiating COVID-19 and dengue from other febrile illnesses in co-epidemics: Development and internal validation of COVIDENGUE scores.** [Travel Med Infect Dis](#) 2021; 45:102232Gérardin P, Maillard O, Bruneau L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896649>
113. **Highly mutated SARS-CoV-2 Omicron variant sparks significant concern among global experts - What is known so far?** [Travel Med Infect Dis](#) 2021; 45:102234Poudel S, Ishak A, Perez-Fernandez J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896326>

114. **Testing an early online intervention for the treatment of disturbed sleep during the COVID-19 pandemic in self-reported good and poor sleepers (Sleep COVID-19): study protocol for a randomised controlled trial.** *Trials* 2021; 22:913Sawdon OL, Elder GJ, Santhi N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895327>
115. **On the rise of the new B.1.1.529 variant: Five dimensions of access to a COVID-19 vaccine.** *Vaccine* 2021; Chen X, Wang H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922789>
116. **On the rise of the new B.1.1.529 variant: Five dimensions of access to a COVID-19 vaccine.** *Vaccine* 2022; 40:403-405Chen X, Wang H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922789>
117. **Krebs von den Lungen-6 (KL-6) as a clinical marker for severe COVID-19: A systematic review and meta-analyses.** *Virology* 2022; 566:106-113Naderi N, Rahimzadeh M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896901>
118. **The Avon Longitudinal Study of Parents and Children - A resource for COVID-19 research: Home-based antibody testing results, October 2020. An emphasis on self-screening at a population level.** *Wellcome Open Res* 2021; 6:34Northstone K, Smith D, Bowring C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34622014>
119. **ASSOCIATION BETWEEN LEUKOCYTES COUNT AND THE SEVERITY OF COVID-19 INFECTION.** *Wiad. Lek.* 2021; 74:2417-2422Ajmi AH, Abdul-Kareem Abbas W, Basil Hanna D, Abdul Khaleq MA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896997>
120. **SEVERITY OF LUNG DAMAGE ASSESSED BY CT-SCAN IN RELATION TO D-DIMER LEVEL IN COVID-19.** *Wiad. Lek.* 2021; 74:2400-2406Ridha Alnowfal MA, Almubarak N, Jeber MA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896994>
121. **Clinical features of children with coronavirus disease 2019 caused by Delta variant infection.** *Zhongguo Dang Dai Er Ke Za Zhi* 2021; 23:1267-1270Sheng JF, Shao L, Wang YL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911611>

Children (54 articles)

1. **Parent-adolescent discrepancies in adolescent recreational screen time reporting during the COVID-19 pandemic.** *Acad. Pediatr.* 2021; Nagata JM, Cortez CA, Iyer P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923146>
2. **Challenges in the management of paediatric surgical patients in the midst of COVID-19 crisis: Our experience.** *Afr. J. Paediatr. Surg.* 2022; 19:40-45Chanchlani R, Ahmad R, Jangid MK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916351>
3. **Bilateral spontaneous pneumothorax in critically-ill COVID-19 infants: About two cases.** *Ann Med Surg. (Lond.)* 2022; 73:103172Laaribi I, Mimouni H, Bouayed Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904055>
4. **Child mortality in England during the COVID-19 pandemic.** *Arch. Dis. Child.* 2022; 107:14-20Odd D, Stoianova S, Williams T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911683>
5. **Imaging abnormalities in pediatric neuro-COVID are more diverse than specified.** *Biomed J* 2021; Finsterer J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906744>
6. **Risk factors for prospective increase in psychological stress during COVID-19 lockdown in a representative sample of adolescents and their parents -**

ERRATUM. BJPsych Open 2021; 8:e13Paschke K, Arnaud N, Austermann MI, Thomasius R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915953>

- 7. Effect of COVID-19 on Kawasaki Disease: Decrease Age of Onset and Increase Skin Manifestation.** BMC Pediatr. 2021; 21:571Esmaeilzadeh H, Mortazavi N, Salehi A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903208>
- 8. Children and parents' perspectives of the impact of the COVID-19 pandemic on Ontario children's physical activity, play, and sport behaviours.** BMC Public Health 2021; 21:2271Szpunar M, Vanderloo LM, Bruijns BA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903197>
- 9. Cardiac involvement in Multisystem Inflammatory Syndrome in Children cases.** Cardiol. Young 2021;1-6Erol N, Sari E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915942>
- 10. Takotsubo syndrome as a cardiac manifestation of multisystem inflammatory syndrome in children.** Cardiol. Young 2021;1-3Ludwikowska KM, Tracewski P, Kusa J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913418>
- 11. A profile analysis of COVID-19 stress-related reactions: The importance of early childhood abuse, psychopathology, and interpersonal relationships.** Child Abuse Negl. 2021;105442Gewirtz-Meydan A, Lassri D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920898>
- 12. Child Abuse and Neglect and the Burden of the COVID-19 Pandemic on Families: A Series of Cases Consulted at the German Medical Child Protection Hotline.** Child Abuse Rev 2021; 30:485-492Heimann T, Berthold O, Clemens V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898860>
- 13. The upside: coping and psychological resilience in Australian adolescents during the COVID-19 pandemic.** Child Adolesc Psychiatry Ment Health 2021; 15:77Beames JR, Li SH, Newby JM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922575>
- 14. Perceived stress, resources and adaptation in relation to the COVID-19 lockdown in Spanish foster and non-foster families.** Child Fam Soc Work 2021; Bernedo IM, Oliver J, Urbano-Contreras A, González-Pasarín L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899031>
- 15. 'We are unlikely to return to the same world, and I do not want it to destroy my future.' Young people's worries through the outbreak of the COVID-19 pandemic.** Child Fam Soc Work 2021; Bjørknes R, Sandal GM, Mæland S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899030>
- 16. Parenthood in the shadow of COVID-19: The contribution of gender, personal resources and anxiety to first time parents' perceptions of the infant.** Child Fam Soc Work 2021; Chasson M, Ben-Yaakov O, Taubman-Ben-Ari O. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899028>
- 17. Contact experiences and needs of children of prisoners before and during COVID-19: Findings from an Australian survey.** Child Fam Soc Work 2021; Flynn C, Bartels L, Dennison S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899029>
- 18. Child Maltreatment Prevention Service Cases are Significantly Reduced During the COVID-19 Pandemic: A Longitudinal Investigation Into Unintended Consequences of Quarantine.** Child Maltreat 2021;10775595211051318Whaling KM, Der Sarkissian A, Larez N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908497>

- 19. Gamification and family leisure to alleviate the psychological impact of confinement due to COVID-19.** Child Soc 2021; Manzano-León A, Rodríguez-Ferrer JM, Aguilar-Parra JM, Herranz-Hernández R.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898857>
- 20. 'The Pandemic Affected My Life in a Negative Way': The Experiences of Estonian Children in Child Protective Services During the Coronavirus Disease 2019 Pandemic.** Child Soc 2021; Toros K.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898856>
- 21. Recurrence of myopericarditis following mRNA COVID-19 vaccination in a male adolescent.** CJC Open 2021; Umei TC, Kishino Y, Shiraishi Y *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904134>
- 22. Effectiveness of resilience training on social self-efficacy of the elementary school girls during COVID-19 outbreak.** Clin. Child Psychol. Psychiatry 2021;13:591045211056504Gadari S, Farokhzadian J, Mangolian Shahrbabaki P.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34894781>
- 23. Decline in Pneumococcal Disease in Young Children during the COVID-19 Pandemic in Israel Associated with Suppression of seasonal Respiratory Viruses, despite Persistent Pneumococcal Carriage: A Prospective Cohort Study.** Clin Infect Dis 2021; Danino D, Ben-Shimol S, Van Der Beek BA *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904635>
- 24. Sleep Characteristics in Italian Children During Home Confinement Due to Covid-19 Outbreak.** Clin Neuropsychiatry 2021; 18:13-27Bacaro V, Chiabudini M, Buonanno C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909017>
- 25. Children and the Covid-19 Transition: Psychological Reflections and Suggestions on Adapting to the Emergency.** Clin Neuropsychiatry 2020; 17:131-134Muratori P, Ciacchini R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908983>
- 26. Epidemiology of Paediatric Orthopaedic Trauma, Before, During, and After the Outbreak of COVID-19 Pandemic: An Observational Study From a Tertiary Referral Center in Wales.** Cureus 2021; 13:e19253Gokhale S, D'sa P, Badurudeen AA, Carpenter EC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900454>
- 27. Interleukin-18 and COVID-19.** Epidemiol Infect 2021; 150:e14Schooling CM, Li M, Au Yeung SL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911594>
- 28. COVID-19 trends and severity among symptomatic children aged 0-17 years in 10 European Union countries, 3 August 2020 to 3 October 2021.** Euro Surveill 2021; 26Bundle N, Dave N, Pharris A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915968>
- 29. School-age adopted children's early responses to remote schooling during COVID-19.** Fam Relat 2021; Goldberg AE, McCormick N, Virginia H.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898782>
- 30. COVID-19 pandemic-related transition to telehealth in child and adolescent mental health.** Fam Relat 2021; Moorman LK.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898779>
- 31. Mental Health of Parents and Preschool-Aged Children During the COVID-19 Pandemic: The Mediating Role of Harsh Parenting and Child Sleep Disturbances.** Front Psychiatry 2021; 12:746330Wang P, Sun X, Li W *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34912251>
- 32. How Did the COVID-19 Lockdown Affect Children and Adolescent's Well-Being: Spanish Parents, Children, and Adolescents Respond.** Front Public

- Health 2021; 9:746052Ajanovic S, Garrido-Aguirre J, Baro B *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900898>
- 33. COVID-19 pandemic impact on childhood vaccination coverage in Quebec, Canada.** Hum Vaccin Immunother 2021;1-8Kiely M, Mansour T, Brousseau N *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34920686>
- 34. Acceptance of childhood and adolescent vaccination against COVID-19 in France: a national cross-sectional study in May 2021.** Hum Vaccin Immunother 2021;1-7Verger P, Peretti-Watel P, Gagneux-Brunon A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34905467>
- 35. Impact of COVID-19 on Youth With ADHD: Predictors and Moderators of Response to Pandemic Restrictions on Daily Life.** J Atten Disord 2021;10870547211063641Rosenthal E, Franklin-Gillette S, Jung HJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34920689>
- 36. Early report from the Pediatric Heart Transplant Society on COVID-19 infections in pediatric heart transplant candidates and recipients.** J. Heart Lung Transplant. 2021; Conway J, Auerbach SR, Richmond ME *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903451>
- 37. Relationship of chest computed tomography score with disease severity and laboratory values in children with COVID-19.** J. Paediatr. Child Health 2021; Çetin C, Karaaslan A, Akın Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902194>
- 38. Pediatric chronic pain in the midst of the COVID-19 pandemic: Lived experiences of youth and parents.** J. Pain 2021; Neville A, Lund T, Soltani S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915200>
- 39. When a child is hospitalized in a Covid-19 ward: An emotional roller coaster for parents.** J. Pediatr. Nurs. 2021; Shteinbuk M, Moskovich A, Shemesh-Milegur V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903424>
- 40. COVID-19-associated multisystem inflammatory syndrome in children: Experiences of three centres in Turkey.** Mod. Rheumatol. 2021; Salman H, Aslan N, Akçam M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910197>
- 41. [Working in the provision of psychosocial care to children, adolescents and families during the Covid-19 pandemic-results of a qualitative interview-study in Vienna and Lower Austria].** OZS Osterr Z Soziol 2021;1-22Jesser A, Mädge AL, Maier C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898958>
- 42. A Japanese case of multisystem inflammatory syndrome in children.** Pediatr. Int. 2021; Ogihara A, Miyata Y, Hosaki A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919309>
- 43. Severe hypertransaminasemia during mild SARS-CoV-2 infection: A pediatric case report and literature review.** Pediatr Investig 2021; 5:e12300Palpacelli A, Martelli G, Lattanzi B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909233>
- 44. A descriptive study on multisystem inflammatory syndrome in children in a single center in West Michigan.** Pediatr. Rheumatol. Online J. 2021; 19:172Shabab J, Dubiskiy A, Singh A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915906>
- 45. Understanding changes to children's connection to nature during the COVID-19 pandemic and implications for child well-being.** People Nat (Hoboken) 2021; Friedman S, Imrie S, Fink E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909606>

46. **Youth Information Interaction Research in the Pandemic: Adjustments, Innovations, Implications.** Proc Assoc Inf Sci Technol 2021; 58:577-581Figueiredo V, Meyers EM, Bilal D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901399>
47. **An Exploratory Study on Chinese Preteens' Internet Use and Parental Mediation during the COVID-19 Pandemic.** Proc Assoc Inf Sci Technol 2021; 58:875-877Zhang Y, Tang J, Zhang P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901409>
48. **Mindfulness May Buffer Psychological Distress in Adolescents during the COVID-19 Pandemic: The Differential Role of Mindfulness Facets.** Psychol. Belg. 2021; 61:356-376Kock M, Kuppens P, Van der Gucht K, Raes F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900325>
49. **How young people experienced COVID-19 disease containment measures in the Western Cape, South Africa: A qualitative study including the perspectives of young people, their parents, teachers and school counsellors.** Psychol. Psychother. 2021; Coetzee BJ, Gericke H, Human S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904360>
50. **Parental involvement in homework of children with learning disabilities during distance learning: Relations with fear of COVID-19 and resilience.** Psychol. Sch. 2021; 58:2345-2360Touloupis T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908594>
51. **Fear, changes in routine and dental care for children and adolescents with autism spectrum disorder in the COVID-19 pandemic: A survey with Brazilian parents.** Spec. Care Dentist. 2021; Azevedo Machado B, Silva Moro J, Massignam C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897755>
52. **Parenting in a Pandemic: Parental stress, anxiety and depression among parents during the government-initiated physical distancing measures following the first wave of COVID-19.** Stress Health 2021; Johnson MS, Skjerdingstad N, Ebrahimi OV *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902219>
53. **Covid-19 and child criminal exploitation in the UK: implications of the pandemic for county lines.** Trends Organ Crime 2021:1-24Brewster B, Robinson G, Silverman BW, Walsh D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898976>
54. **Clinical features of children with coronavirus disease 2019 caused by Delta variant infection.** Zhongguo Dang Dai Er Ke Za Zhi 2021; 23:1267-1270Sheng JF, Shao L, Wang YL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911611>

Clinical Features (28 articles)

- Characteristics, risk factors, and outcomes associated with readmission in COVID-19 patients: A systematic review and meta-analysis.** Am J Emerg Med 2021; 52:166-173Akbari A, Fathabadi A, Razmi M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923196>
- The effects of SARS-CoV-2 on hearing thresholds in COVID-19 patients with non-hospitalized mild disease.** Am. J. Otolaryngol. 2021; 43:1033Durgut O, Karataş M, Çelik Ç *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922259>
- Prevalence of Long COVID symptoms in Bangladesh: a prospective Inception Cohort Study of COVID-19 survivors.** BMJ Glob Health 2021; 6Hossain MA, Hossain KMA, Saunders K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906986>

- 4. Clinical profile and short-term outcomes of RT-PCR- positive patients with COVID-19: a cross-sectional study in a tertiary care hospital in Dhaka, Bangladesh.** BMJ Open 2021; 11:e055126Hasan MZ, Biswas NK, Aziz AM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911722>
- 5. COVID-19 symptom duration predicts immunoglobulin G seropositivity.** Bratisl Lek. Listy 2021; 122:861-865Stepanek L, Nakladalova M, Stepanek L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904847>
- 6. Burns from hair dye in recovered COVID-19 patients, a new presentation for further investigation.** Burns 2021; Abdelaty M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903408>
- 7. The skin as a critical window in unveiling the pathophysiologic principles of COVID-19.** Clin. Dermatol. 2021; 39:934-965Magro C, Nuovo G, Mulvey JJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920833>
- 8. Rehabilitation needs following COVID-19: Five-month post-discharge clinical follow-up of individuals with concerning self-reported symptoms.** EClinicalMedicine 2022; 43:101219Wahlgren C, Divanoglou A, Larsson M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901798>
- 9. Factors associated with persistence of symptoms 1 year after COVID-19: A longitudinal, prospective phone-based interview follow-up cohort study.** Eur J Intern Med 2021; Fumagalli C, Zocchi C, Tassetti L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903448>
- 10. Relationship between COVID-19 and movement disorders: A narrative review.** Eur. J. Neurol. 2021; Schneider SA, Hennig A, Martino D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918437>
- 11. Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms but is associated with objective functional limitations.** Heart Rhythm 2021; Ladlow P, O'Sullivan O, Houston A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896622>
- 12. 3-Month Symptom-Based Ambidirectional Follow-up Study Among Recovered COVID-19 Patients from a Tertiary Care Hospital Using Telehealth in Chennai, India.** Inquiry 2021; 58:469580211060165Nesan G, Keerthana D, Yamini R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915771>
- 13. Characterizing the COVID-19 Illness Experience to Inform the Study of Post-acute Sequelae and Recovery.** Int. J. Behav. Med. 2021;1-14Santiago-Rodriguez EI, Maiorana A, Peluso MJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918211>
- 14. Characteristics of Oral Manifestations in Symptomatic Non-Hospitalized COVID-19 Patients: A Cross-Sectional Study on a Sample of the Saudi Population.** Int. J. Gen. Med. 2021; 14:9547-9553Natto ZS, Afeef M, Khalil D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916836>
- 15. GENOMIC CHARACTERIZATION OF SARS-CoV-2 AND ITS ASSOCIATION WITH CLINICAL OUTCOMES: A ONE-YEAR LONGITUDINAL STUDY OF THE PANDEMIC IN COLOMBIA.** Int J Infect Dis 2021; Ruiz-Sternberg Á M, Chaparro-Solano HM, Albornoz LLA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920122>
- 16. Androgenetic alopecia and COVID-19: Is there a clinical connection?** J Cosmet Dermatol 2021; Baghani M, Pourani MR, Nekooghadam SM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910352>

17. **Post-sequelae one year after hospital discharge among older COVID-19 patients: a multi-center prospective cohort study.** J Infect 2021; Fang X, Ming C, Cen Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902448>
18. **Patients' Perspectives on Qualitative Olfactory Dysfunction: Thematic Analysis of Social Media Posts.** JMIR Form Res 2021; 5:e29086 Parker JK, Kelly CE, Smith BC et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904953>
19. **Factors associated with anosmia recovery rate in COVID-19 patients.** Laryngoscope Investig Otolaryngol 2021; 6:1248-1255 Babaei A, Iravani K, Malekpour B et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909467>
20. **Patient reported voice handicap and auditory-perceptual voice assessment outcomes in patients with COVID-19.** Logoped Phoniatr Vocol 2021;1-10 Tahir E, Kavaz E, Çengel Kurnaz S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907849>
21. **Clinical and epidemiological characterization in the follow-up of newborns with COVID-19: a descriptive study.** Medwave 2021; 21:e8500 Dávila-Aliaga C, Torres-Marcos E, Paucar-Zegarra R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910718>
22. **[COVID 19 and myoclonus, do hemodialysis patients have more risk?].** Nefrologia 2021; Heres SVP, Fosalba NA, Prieto AB et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898785>
23. **Clinical features and outcomes of COVID-19 in patients with IgG4-related disease: a European multi-center study.** Rheumatology (Oxford) 2021; Ramirez GA, Lanzillotta M, Ebbo M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919665>
24. **Features associated with SARS-COV-2 positivity among people presenting with acute respiratory tract infections to public Hospitals in Harari region, Ethiopia.** SAGE Open Med 2021; 9:20503121211062793 Birhanu A, Ayana GM, Bayu M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917383>
25. **The contested meaning of "long COVID" - Patients, doctors, and the politics of subjective evidence.** Soc. Sci. Med. 2021; 292:114619 Roth PH, Gadebusch-Bondio M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906823>
26. **Increased Incidence of Injury Among Runners With COVID-19.** Sports Health 2021;19417381211061144 Toresdahl BG, Robinson JN, Kliethermes SA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906009>
27. **Non-contact infrared assessment of human body temperature: The journal Temperature toolbox.** Temperature (Austin) 2021; 8:306-319 Foster J, Lloyd AB, Havenith G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901315>
28. **Analyzing Correlation of Clinical Severity of COVID-19 with Other Biochemical Parameters: A Retrospective Study from Pakistan.** Tohoku J. Exp. Med. 2021; 255:315-323 Hassan Shah SST, Naeem I, Wahid B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911879>

CNS (32 articles)

1. **A case of catatonia in the aftermath of the COVID-19 pandemic: does autism spectrum matter?** Ann Gen Psychiatry 2021; 20:54 Dell'Osso L, Amatori G, Gesi C, Carmassi C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915925>
2. **A case report of ChAdOx1 nCoV-19 vaccine-associated encephalitis.** BMC Neurol. 2021; 21:485 Takata J, Durkin SM, Wong S et al.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903200>

3. **Persistent white matter changes in recovered COVID-19 patients at the 1-year follow-up.** *Brain* 2021; Huang S, Zhou Z, Yang D et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34918020>
4. **Apolipoprotein E4 as a Novel Treatment Target for Alzheimer's Disease.** *Cell. Physiol. Biochem.* 2021; 55:773-783Jervies JL, King SP, Suphioglu C.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34907696>
5. **Guillain-Barré syndrome after coronavirus disease 2019 vaccine: A temporal association.** *Clin Exp Neuroimmunol* 2021; da Silva GF, da Silva CF, Oliveira R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900000>
6. **The Covid-19 Pandemic is a Paradoxical Challenge to Our Nervous System: A Polyvagal Perspective.** *Clin Neuropsychiatry* 2020; 17:135-138Porges SW.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908984>
7. **'Four walls and a garden': Exploring the experiences of families affected by dementia during the COVID-19 pandemic.** *Dementia (London)* 2021;14713012211059021Cousins E, de Vries K, Harrison Dening K.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34918956>
8. **Association between olfactory dysfunction and COVID-19 severity: A prospective study in a highly complex hospital in Peru.** *Ear Nose Throat J* 2021;1455613211066691Alcas O, Saldaña D, Triveño A et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908507>
9. **Ethical dilemma for healthcare professionals facing elderly dementia patients during the COVID-19 pandemic.** *Encephale* 2021; Romdhani M, Kohler S, Koskas P, Drunat O. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916078>
10. **Indirect effects of the lockdown for the COVID-19 pandemic: Comparative study of fibular palsies from prolonged sitting posture.** *eNeurologicalSci* 2021; 25:100385Castellani F, Cacciavillani M, Salvalaggio A et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901477>
11. **Barriers to telemedicine among physicians in epilepsy care during the COVID-19 pandemic: A national-level cross-sectional survey in Japan.** *Epilepsy Behav.* 2021; 126:108487Kubota T, Kuroda N, Horinouchi T et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34922326>
12. **Cognitive impairment and endothelial dysfunction in convalescent COVID-19 patients undergoing rehabilitation.** *Eur. J. Clin. Invest.* 2021:e13726Moretta P, Maniscalco M, Papa A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921559>
13. **Cognitive impairment and endothelial dysfunction in convalescent COVID-19 patients undergoing rehabilitation.** *Eur. J. Clin. Invest.* 2022; 52:e13726Moretta P, Maniscalco M, Papa A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921559>
14. **Cognitive sequelae of long COVID may not be permanent: A prospective study.** *Eur. J. Neurol.* 2021; Del Brutto OH, Rumbea DA, Recalde BY, Mera RM.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34918425>
15. **Systemic Inflammation and Astrocyte Reactivity in the Neuropsychiatric Sequelae of COVID-19: Focus on Autism Spectrum Disorders.** *Front. Cell. Neurosci.* 2021; 15:748136Valenza M, Steardo L, Jr., Steardo L et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34912192>
16. **Neuroinflammation and Its Impact on the Pathogenesis of COVID-19.** *Front Med (Lausanne)* 2021; 8:745789Almutairi MM, Sivandzade F, Albekairi TH et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901061>

- 17. A National Representative, Cross-Sectional Study by the Hellenic Academy of Neurolimmunology (HEL.A.NI.) on COVID-19 and Multiple Sclerosis: Overall Impact and Willingness Toward Vaccination.** *Front. Neurol.* 2021; 12:757038Boziki M, Styliadis C, Bakirtzis C *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899577>
- 18. Considering People with Dementia and Their Caregivers in Covid-19 Lockdowns.** *Hastings Cent Rep* 2021; 51:11-12Viaña JN.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904736>
- 19. Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms but is associated with objective functional limitations.** *Heart Rhythm* 2021; Ladlow P, O'Sullivan O, Houston A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896622>
- 20. Clinical Characteristics and Outcomes of Critically Ill Neurological Patients with COVID-19 Infection in Neuro-intensive Care Unit: A Retrospective Study.** *Indian J. Crit. Care Med.* 2021; 25:1126-1132Surve RM, Mishra RK, Malla SR *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34916744>
- 21. Impaired hearing following SARS-CoV-2 vaccinations.** *Int J Infect Dis* 2021; 115:215-216Finsterer J, Scorza FA, Fiorini AC.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896579>
- 22. A Case of Refractory Longitudinally Extensive Transverse Myelitis after Severe Acute Respiratory Syndrome Coronavirus 2 Vaccination in a Japanese Man.** *Intern Med* 2021; Miyaue N, Yoshida A, Yamanishi Y *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34897155>
- 23. Neurological Immune Related Adverse Events Post-COVID-19 Vaccination: A Systematic Review.** *J. Clin. Pharmacol.* 2021; Shafiq A, Salameh MA, Laswi I *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921562>
- 24. Delirium and other neuropsychiatric manifestations of COVID-19 infection in people with preexisting psychiatric disorders: a systematic review.** *J Med Case Rep* 2021; 15:586van Reekum EA, Rosic T, Sergeant A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903299>
- 25. Humoral and cellular immunity in convalescent COVID-19 people with multiple sclerosis treated with ofatumumab.** *J. Neuroimmunol.* 2022; 362:577788Adamec I, Rogić D, Penz MG *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922128>
- 26. New diagnosis of multiple sclerosis in the setting of mRNA COVID-19 vaccine exposure.** *J. Neuroimmunol.* 2022; 362:577785Toljan K, Amin M, Kunchok A, Ontaneda D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922126>
- 27. Impact of mass vaccination on SARS-CoV-2 infections among multiple sclerosis patients taking immunomodulatory disease-modifying therapies in England.** *Mult Scler Relat Disord* 2021; 57:103458Garjani A, Patel S, Bharkhada D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896876>
- 28. Characteristics of COVID-19 in patients with multiple sclerosis.** *Mult Scler Relat Disord* 2021; 57:103437Ghadiri F, Sahraian MA, Shaygannejad V *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896875>
- 29. Humoral immune response to COVID-19 vaccines in people with secondary progressive multiple sclerosis treated with siponimod.** *Mult Scler Relat Disord* 2021; 57:103435Krbot Skorić M, Rogić D, Lapić I *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34920248>
- 30. Challenges of persons with multiple sclerosis on ocrelizumab treatment during COVID-19 pandemic.** *Neurol Clin Neurosci* 2021; Baba C, Yigit P, Dastan S

et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909197>

31. **How COVID-19 can cause autonomic dysfunctions and postural orthostatic syndrome? A Review of mechanisms and evidence.** *Neurol Clin Neurosci* 2021; 9:434-442Hassani M, Fathi Jouzdani A, Motarjem S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909198>
32. **Epilepsy is overrepresented among young people who died from COVID-19: Analysis of nationwide mortality data in Hungary.** *Seizure* 2022; 94:136-141Horváth RA, Sütő Z, Cséke B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906799>

Coagulation (32 articles)

1. **Cardiac injury and COVID-19 associated coagulopathy in patients with acute SARS-CoV-2 pneumonia: A rotational thromboelastometry study.** *Adv. Med. Sci.* 2021; 67:39-44Capone F, Cipriani A, Molinari L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906908>
2. **Immune thrombocytopenia purpura flare post COVID-19 vaccine.** *Ann Med Surg (Lond)* 2021;103164Ali E, Al-Maharmeh Q, Rozi WM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900246>
3. **Association of pulmonary embolism and acute coronary syndrome during COVID-19 infection: Case report and a brief review.** *Ann Med Surg (Lond)* 2022; 73:103152Boudihi A, Derar C, Mazouzi M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900243>
4. **Thrombosis of the right iliac, femoral, popliteal, and tibial arteries in a post-COVID-19 in adolescent.** *Ann Pediatr Surg* 2021; 17:57da Silva MOM, Amorim Santos H, da Silva AFV *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899882>
5. **Background incidence rates of hospitalisations and emergency department visits for thromboembolic and coagulation disorders in Ontario, Canada for COVID-19 vaccine safety assessment: a population-based retrospective observational study.** *BMJ Open* 2021; 11:e052019Nasreen S, Calzavara AJ, Sundaram ME *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921078>
6. **Venous sinus thrombosis after the second jab of an mRNA-based SARS-CoV-2 vaccine.** *Brain Hemorrhages* 2021; Finsterer J, Nics S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901793>
7. **Caution in Using the Activated Partial Thromboplastin Time to Monitor Argatroban in COVID-19 and Vaccine-Induced Immune Thrombocytopenia and Thrombosis (VITT).** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211066945Guy S, Kitchen S, Makris M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905962>
8. **Diagnostic Accuracy of D-Dimers for Predicting Pulmonary Embolism in COVID-19-Patients.** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211057901Laouan Brem F, Asmae B, Amane Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905979>
9. **Thrombosis with Thrombocytopenia Syndrome After Administration of AZD1222 or Ad26.COV2.S Vaccine for COVID-19: A Systematic Review.** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211068487Waqar U, Ahmed S, Gardezi S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907794>
10. **Clin Exp Neuroimmunol** 2021; Shimohata T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899999>

- 11. Dilemma of Anticoagulation Therapy in Mild or Asymptomatic COVID-19**
Cases. Cureus 2021; 13:e19291 Patel A, Ajayi F, Ali R *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900472>
- 12. The Pathobiological Basis for Thrombotic Complications in COVID-19: a Review of the Literature.** Curr Pathobiol Rep 2021;1-11 Hoteit L, Deeb AP, Andraska EA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900401>
- 13. Acquired thrombotic thrombocytopenic purpura following Pfizer COVID-19 vaccination.** EJHaem 2021; Alislambouli M, Veras Victoria A, Matta J, Yin F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909764>
- 14. Incidence of symptomatic image-confirmed venous thromboembolism in outpatients managed in a hospital-led COVID-19 virtual ward.** EJHaem 2021; 2:794-798 Shapiro S, Fouad Alber K, Morton J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909766>
- 15. Autoimmune Thrombocytopenia in SLE and COVID-19.** Eur J Case Rep Intern Med 2021; 8:002863 Pratama YS, Pradiptakirana R, Rachmah A, Prabowo NA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912736>
- 16. Evaluation of Soluble Fibrin Monomer Complex in Patients in SARS-CoV-2 COVID-19 Infection Associated Coagulopathy.** Eur. J. Haematol. 2021; Sridharan M, Navitskas S, Kock E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921683>
- 17. Evaluation of soluble fibrin monomer complex in patients in SARS-CoV-2 COVID-19 infection-associated coagulopathy.** Eur. J. Haematol. 2021; Sridharan M, S DN, E MK *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921683>
- 18. Hematologic and coagulopathy parameter as a survival predictor among moderate to severe COVID-19 patients in non- ICU ward: a single-center study at the main referral hospital in Surabaya, East Java, Indonesia.** F1000Res 2021; 10:791 Bintoro SUY, Dwijayanti NMI, Pramudya D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904053>
- 19. COVID-19 Vaccine-Related Thrombosis: A Systematic Review and Exploratory Analysis.** Front. Immunol. 2021; 12:729251 Bilotta C, Perrone G, Adelfio V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912330>
- 20. Splenic infarction secondary to COVID-19 complicated by Clostridium Paraputificum infection.** IDCases 2022; 27:e01357 Imam M, Hammond GW. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900587>
- 21. Neutrophil-to-lymphocyte and Platelet-to-lymphocyte Ratios in those with Pulmonary Embolism in the Course of Coronavirus Disease 2019.** Indian J. Crit. Care Med. 2021; 25:1133-1136 Akkus C, Yilmaz H, Duran R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916745>
- 22. Vascular thrombosis and vasculitis in the gastrointestinal tract are associated with poor prognosis in patients with COVID-19.** Int. J. Clin. Exp. Pathol. 2021; 14:1069-1079 Cui M, Wang Q, Xin AW *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900075>
- 23. Resistance or pitfall in heparin monitoring: An ongoing issue in COVID-19 anticoagulation.** Int. J. Lab. Hematol. 2021; Alsagaff MY, Mulia EPB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914184>
- 24. COVID-19 and Anticoagulation for Atrial Fibrillation: An Analysis of US Nationwide Pharmacy Claims Data.** J Am Heart Assoc 2021; 10:e023235 Hernandez I, Gabriel N, He M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913359>

25. **Bleeding Complications in Patients With Perioperative COVID-19 Infection Undergoing Cardiac Surgery: A Single-Center Matched Case-Control Study.** J Cardiothorac Vasc Anesth 2021; Chiariello GA, Bruno P, Pavone N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906382>
26. **Neutrophil extracellular traps and thrombogenesis in COVID-19 patients.** J. Res. Med. Sci. 2021; 26:96Yaqinuddin A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899934>
27. **Clinico-histopathologic and single nuclei RNA sequencing insights into cardiac injury and microthrombi in critical COVID-19.** JCI Insight 2021; Brener MI, Hulke ML, Fukuma N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905515>
28. **COVID-19 and antiphospholipid antibodies: A position statement and management guidance from AntiPhospholipid Syndrome Alliance for Clinical Trials and InternatiONal Networking (APS ACTION).** Lupus 2021:9612033211062523Wang X, Gkrouzman E, Andrade DCO *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915764>
29. **Differences between surviving and non-surviving venous thromboembolism COVID-19 patients: a systematic review.** Thromb J 2021; 19:101Castillo-Perez M, Jerjes-Sanchez C, Castro-Varela A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911551>
30. **Safety of COVID-19 vaccination in patients with previous cerebral venous sinus thrombosis.** Thromb Res 2022; 209:84-85Gil-Díaz A, Gil-Hernández A, Lozano-Jiménez AI *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896915>
31. **Sustained inflammation, coagulation activation and elevated endothelin-1 levels without macrovascular dysfunction at 3 months after COVID-19.** Thromb Res 2022; 209:106-114Willemse LH, Nagy M, Ten Cate H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922160>
32. **Incidence of venous thromboembolic events in COVID-19 patients after hospital discharge: A systematic review and meta-analysis.** Thromb Res 2022; 209:94-98Zuin M, Engelen MM, Barco S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896917>

Complications (77 articles)

1. **COVID-19 associated mucormycosis: evolving technologies for early and rapid diagnosis.** 3 Biotech 2022; 12:6Samson R, Dharne M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900512>
2. **COVID-19 and Immune-Mediated RBC Destruction.** Am J Clin Pathol 2021; Jacobs JW, Booth GS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919640>
3. **Outcomes in patients hospitalized for COVID-19 among Asian, Pacific Islander, and Hispanic subgroups in the American Heart Association COVID-19 registry.** Am J Med Open 2021; 1:100003Shah NS, Giase GM, Petito LC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918003>
4. **The role of nasal immunoglobulins in the recovery of olfactory function in COVID-19 patients.** Am. J. Otolaryngol. 2021:103301Vaira LA, Lechien JR, Salzano G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895763>
5. **Severe case of COVID -19 pneumonia complicated by SIADH.** Ann Med Surg (Lond) 2022; 73:103153Fajri M, Essafti M, Aloua R, Mouaffak Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900244>

6. **Extracorporeal membrane oxygenation outcomes in COVID-19 patients: Case series from the Brazilian COVID-19 Registry.** *Artif. Organs* 2021; Ponce D, de Carvalho RLR, Pires MC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913492>
7. **The effect of prone positioning on pressure injury incidence in adult intensive care unit patients: A meta-review of systematic reviews.** *Aust. Crit. Care* 2021; Patton D, Latimer S, Avsar P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916149>
8. **Effect of COVID-19 on Kawasaki Disease: Decrease Age of Onset and Increase Skin Manifestation.** *BMC Pediatr.* 2021; 21:571 Esmaeilzadeh H, Mortazavi N, Salehi A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903208>
9. **Macrophage activation syndrome in MDA5 antibody-positive dermatomyositis and COVID-19 infection.** *BMC Rheumatol.* 2021; 5:59 Keshtkarjahromi M, Chhetri S, Balagani A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895325>
10. **Increasing oxygen prescribing during the COVID-19 pandemic.** *BMJ Open Qual* 2021; 10 Sahota R, Kamieniarz L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903524>
11. **Extensive progressive heterotopic ossification post-Covid-19 in a man.** *Bone* 2022; 155:116287 Brance ML, Coccato NM, Casalongue AN *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896358>
12. **Takotsubo syndrome as a cardiac manifestation of multisystem inflammatory syndrome in children.** *Cardiol. Young* 2021; 1-3 Ludwikowska KM, Tracewski P, Kusa J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913418>
13. **Why does the sepsis induced by severe COVID-19 have different clinical features from sepsis induced by CrKP?** *Chin. J. Traumatol.* 2021; Lin HY. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903463>
14. **Thrombotic and Hemorrhagic Incidences in Patients After Discharge from COVID-19 Infection: A Systematic Review and Meta-Analysis.** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211069082 Rungjirajittranon T, Owattanapanich W, Leelakanok N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907791>
15. **Implanting jejunostomy tube as conservative management of tracheoesophageal fistula in a COVID-19 patient.** *Clin Case Rep.* 2021; 9:e05151 Negares M, Hoseininia S, Samadi Takaldani AH *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917369>
16. **Acute lower limb ischemia in an ICU admitted patient diagnosed with the COVID-19: A case report.** *Clin Case Rep.* 2021; 9:e05146 Sadeghi A, Moselmi M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917367>
17. **Marburg virus disease outbreak amidst COVID-19 in the Republic of Guinea: A point of contention for the fragile health system?** *Clin Epidemiol Glob Health* 2022; 13:100920 Okonji OC, Okonji EF, Mohanan P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901523>
18. **Fonsecaea associated cerebral phaeohyphomycosis in a post-COVID-19 patient: A first case report.** *Clin Infect Pract* 2022; 13:100126 Laiq S, Al Yaqqobi M, Al Saadi M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901831>
19. **Positive end-expiratory pressure in COVID-19 acute respiratory distress syndrome: the heterogeneous effects.** *Crit Care* 2021; 25:431 Chiumello D, Bonifazi M, Pozzi T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915911>
20. **Blackwater Fever in Pregnancy With Severe Falciparum Malaria: A Case of Imported Malaria From Nigeria to the United Kingdom During the COVID-19**

- Pandemic.** *Cureus* 2021; 13:e20170Brebnor Des Isles C, Chitrakar A, Patel H, Finney M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900503>
- 21. Oral Herpes Zoster Infection Following COVID-19 Vaccination: A Report of Five Cases.** *Cureus* 2021; 13:e19433Fukuoka H, Fukuoka N, Kibe T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909338>
- 22. A Case Found to Be Severe Acute Respiratory Syndrome Coronavirus 2 Positive Immediately Before Hospitalization for Infectious Mononucleosis.** *Cureus* 2021; 13:e19344Kawaura R, Utakata R, Kondo D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909305>
- 23. Sclerosing Encapsulating Peritonitis Following Recovery From COVID-19 Pneumonia.** *Cureus* 2021; 13:e19306Mofti AH, Ghabashi FA, Sadagah MM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900482>
- 24. Lance Adams Syndrome: A Rare Case Presentation of Myoclonus From Chronic Hypoxia Secondary to COVID-19 Infection.** *Cureus* 2021; 13:e20321Muddassir R, Idris A, Alshareef N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909353>
- 25. Pulmonary Cystic Disease Associated With COVID 19 Pneumonia: An Emerging Atypical Manifestation.** *Cureus* 2021; 13:e19352Muñoz-Palacio BJ, Syro D, Pinzón MA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909313>
- 26. Hemphagocytic Lymphohistiocytosis Secondary to COVID-19: A Case Report.** *Cureus* 2021; 13:e19292Naqvi WA, Bhutta MJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900473>
- 27. Unilateral Diaphragmatic Paralysis in a Patient With COVID-19 Pneumonia.** *Cureus* 2021; 13:e19322Shahid M, Ali Nasir S, Shahid O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909288>
- 28. COVID-19 associated symmetrical peripheral gangrene: A case series.** *Diabetes Metab Syndr* 2021; 16:102356Sil A, Chakraborty U, Chandra A, Biswas SK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920197>
- 29. Multisystem inflammatory syndrome in Indian adolescents associated with SARS-CoV-2 infection: a case report.** *Egypt J Intern Med* 2021; 33:51Bhiwgade RD, Nischitha MC, Shahare B, Bitey S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898978>
- 30. COVID-19 associated infections in the ICU setting: A retrospective analysis in a tertiary-care hospital.** *Enferm. Infecc. Microbiol. Clin.* 2021; Ramos R, de la Villa S, García-Ramos S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908639>
- 31. Case Report: SARS-CoV-2 as an unexpected causal agent of predominant febrile hepatitis.** *E1000Res* 2021; 10:400Filippidis P, van Ouwenaller F, Cerutti A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900226>
- 32. Case Report: SARS-CoV-2 Infection-Are We Redeemed? A Report of Candida Spondylodiscitis as a Late Complication.** *Front Med (Lausanne)* 2021; 8:751101Moreno-Gómez LM, Esteban-Sinovas O, García-Pérez D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901064>
- 33. Case Report: Clinical Features of a COVID-19 Patient With Cirrhosis.** *Front Med (Lausanne)* 2021; 8:678227Zhou J, Jiang D, Wang W *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901043>
- 34. Inflammation at the crossroads of Helicobacter pylori and COVID-19.** *Future Microbiol.* 2021; Gonzalez I, Lindner C, Schneider I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915742>

35. **Inflammation at the crossroads of Helicobacter pylori and COVID-19.** [Future Microbiol.](#) 2022; 17:77-80Gonzalez I, Lindner C, Schneider I *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915742>
36. **Role of advanced respiratory support in acute respiratory failure in clinically frail patients with COVID-19.** [Future Microbiol.](#) 2021; Nadeem I, Jordon L, Rasool MU *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915735>
37. **Role of advanced respiratory support in acute respiratory failure in clinically frail patients with COVID-19.** [Future Microbiol.](#) 2022; 17:89-97Nadeem I, Jordon L, Rasool MU *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915735>
38. **COVID-19 and prostate cancer: a complex scenario with multiple facets.** [Future Sci OA](#) 2021; 8:FsoCrochetto F, Buonerba L, Scafuri L *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898669>
39. **The second wave of COVID-19 results in outbreak of mucormycosis: diabetes and immunological perspective.** [Horm. Mol. Biol. Clin. Investig.](#) 2021; Ahirwar AK, Kaim K, Ahirwar P, Kumawat R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908254>
40. **Splenic infarction secondary to COVID-19 complicated by Clostridium Paraputreficum infection.** [IDCases](#) 2022; 27:e01357Imam M, Hammond GW.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900587>
41. **Visceral leishmaniasis and COVID-19 coinfection - A case report.** [IDCases](#) 2022; 27:e01358Pikoulas A, Piperaki ET, Spanakos G *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900591>
42. **Helmet NIV in Acute Hypoxemic Respiratory Failure due to COVID-19: Change in PaO(2)/FiO(2) Ratio a Predictor of Success.** [Indian J. Crit. Care Med.](#) 2021; 25:1137-1146Jha OK, Kumar S, Mehra S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34916746>
43. **Aftermath of COVID-19 and Critical Care in India.** [Indian J. Crit. Care Med.](#) 2021; 25:1173-1175Panda R, Hirolli D, Baidya DK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916751>
44. **Direct Medical Cost Analysis of Indian COVID-19 Patients Requiring Critical Care Admission.** [Indian J. Crit. Care Med.](#) 2021; 25:1120-1125Reddy KN, Shah J, Iyer S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916743>
45. **Mucormycosis: A Case Series of Patients Admitted in Non-COVID-19 Intensive Care Unit of a Tertiary Care Center during the Second Wave.** [Indian J. Crit. Care Med.](#) 2021; 25:1193-1196Yadav S, Sharma A, Kothari N *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34916755>
46. **Ninety-day mortality and clinical outcomes of patients with solid tumours and COVID-19 infection during the first pandemic outbreak in Catalonia, Spain: A multicentre retrospective study.** [Int. J. Cancer](#) 2021; Tapia JC, Gavira J, López A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921732>
47. **Baseline uric acid levels and steady-state favipiravir concentrations are associated with occurrence of hyperuricemia among COVID-19 patients.** [Int J Infect Dis](#) 2021; 115:218-223Koseki T, Nakajima K, Iwasaki H *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34910957>
48. **Early-onset effluvium secondary to COVID-19: Clinical and histologic characterization.** [J Am Acad Dermatol](#) 2021; Miola AC, Florêncio LC, Bellini Ribeiro ME *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906662>
49. **Early onset effluvium secondary to COVID-19: A clinical and histological characterization.** [J Am Acad Dermatol](#) 2021; Miola AC, Florêncio LC, Ribeiro MEB

- et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906662>
50. **Reply to early-onset effluvium secondary to COVID-19 and body hair effluvium.** J Am Acad Dermatol 2021; Wambier CG, Tosti A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906663>
51. **ECMO in COVID-19 Patients: A Systematic Review and Meta-analysis.** J Cardiothorac Vasc Anesth 2021; Bertini P, Guerracino F, Falcone M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906383>
52. **A complication of ECMO cannula placement resulting in hemodynamic and oxygenation alterations: A case report.** J. Clin. Anesth. 2021; 77:110623Navarrete SB, Hermon AR, Kostibas MP.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896694>
53. **Invasive Pulmonary Aspergillosis and Tuberculosis complicated by Hemophagocytic Lymphohistiocytosis - Sequelae of COVID-19 in a Liver Transplant Recipient.** J. Clin. Exp. Hepatol. 2021; Gandotra A, Mehtani R, Premkumar M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898957>
54. **Granulomatous reaction at PRP/Fat injection sites after recovering from SARS-CoV2: A case report.** J Cosmet Dermatol 2021; Incel Uysal P, Gunhan O.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34897927>
55. **A case of Hemophagocytic lymphohistiocytosis induced by COVID-19, and review of all cases reported in the literature.** J Infect Dev Ctries 2021; 15:1607-1614Kayaaslan BU, Asilturk D, Eser F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898486>
56. **COVID-19 and chronic diabetes: the perfect storm for reactivation tuberculosis?: a case series.** J Med Case Rep 2021; 15:621Aguillón-Durán GP, Prieto-Martínez E, Ayala D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915933>
57. **Prominent rash and multisystem inflammatory syndrome in a 29-year-old patient with COVID-19: a case report.** J Med Case Rep 2021; 15:590Gao CA, Walter JM, Dematte D'Amico JE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903290>
58. **Case series: coronavirus disease 2019 infection as a precipitant of atypical hemolytic uremic syndrome: two case reports.** J Med Case Rep 2021; 15:587Kurian CJ, French Z, Kuklich P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903272>
59. **Impact of the COVID-19 pandemic on the development of locomotive syndrome.** J. Orthop. Surg. (Hong Kong) 2021; 29:23094990211060967Terai H, Hori Y, Takahashi S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894867>
60. **The use of respirators and its impact on the COVID-19 pandemic in Europe between 1 June and 14 October 2020.** J. Prev. Med. Hyg. 2021; 62:E625-e627Burman J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909489>
61. **Fulminant Reversible Cerebral Vasoconstriction Syndrome in Breakthrough COVID 19 Infection.** J. Stroke Cerebrovasc. Dis. 2021; 31:106238Ray S, Kamath VV, Raju PA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915308>
62. **Treatment and outcome of COVID-19 patients in a specialized hospital during the third wave: advance of age and increased mortality compared with the first/second waves.** JA Clin Rep 2021; 7:85Oda Y, Shimada M, Shiraishi S, Kurai O. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905146>
63. **Parsonage-Turner syndrome association with SARS-CoV-2 infection.** JSES Rev Rep Tech 2021; 1:252-256Díaz C, Contreras JJ, Muñoz M *et al.*

- <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913044>
64. **COVID-19 and antiphospholipid antibodies: A position statement and management guidance from AntiPhospholipid Syndrome Alliance for Clinical Trials and InternatiOnal Networking (APS ACTION).** [Lupus](#) 2021;9612033211062523Wang X, Gkrouzman E, Andrade DCO *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915764>
65. **Recommendations for the management of critically ill patients with COVID-19 in Intensive Care Units.** [Med Intensiva \(Engl Ed\)](#) 2021; Vidal-Cortés P, Díaz Santos E, Aguilar Alonso E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903475>
66. **Clinical course of COVID-19 infection in paediatric familial Mediterranean fever patients.** [Mod. Rheumatol.](#) 2021; Kaya Akca U, Sener S, Balık Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897503>
67. **COVID-19-associated multisystem inflammatory syndrome in children: Experiences of three centres in Turkey.** [Mod. Rheumatol.](#) 2021; Salman H, Aslan N, Akçam M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910197>
68. **A patient with mild respiratory COVID-19 infection who developed bilateral non-hemorrhagic adrenal infarction.** [Nagoya J. Med. Sci.](#) 2021; 83:883-891Asano Y, Koshi T, Sano A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916731>
69. **A High Frequency of Candida auris Blood Stream Infections in Coronavirus Disease 2019 Patients Admitted to Intensive Care Units, Northwestern India: A Case Control Study.** [Open Forum Infect Dis](#) 2021; 8:ofab452Rajni E, Singh A, Tarai B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904116>
70. **A Japanese case of multisystem inflammatory syndrome in children.** [Pediatr. Int.](#) 2021; Ogihara A, Miyata Y, Hosaki A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919309>
71. **Severe hypertransaminasemia during mild SARS-CoV-2 infection: A pediatric case report and literature review.** [Pediatr Investig](#) 2021; 5:e12300Palpacelli A, Martelli G, Lattanzi B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909233>
72. **A descriptive study on multisystem inflammatory syndrome in children in a single center in West Michigan.** [Pediatr. Rheumatol. Online J.](#) 2021; 19:172Shabab J, Dubiskiy A, Singh A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915906>
73. **Complete response in a frail patient with high-grade B-cell lymphoma to only one cycle of R-CHOP or to prolonged COVID-19?** [Semin. Oncol.](#) 2021; 48:279-282Yilmaz F, Yasar S, Tuncali MC, Akin S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895738>
74. **Anti-GFAP antibody positive postinfectious acute cerebellar ataxia and myoclonus after COVID-19: a case report.** [Ther. Adv. Neurol. Disord.](#) 2021; 14:17562864211062824Asan L, Klebe S, Kleinschmitz C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899988>
75. **Incidence of venous thromboembolic events in COVID-19 patients after hospital discharge: A systematic review and meta-analysis.** [Thromb Res](#) 2022; 209:94-98Zuin M, Engelen MM, Barco S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896917>
76. **COVID-19 induced aorto duodenal fistula following evar in the so called "negative" patient.** [Vascular](#) 2021;17085381211053695Traina L, Mucignat M, Rizzo R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919005>
77. **COVID-19 (SARS-CoV-2 infection) in lymphoma patients: A review.** [World J Virol](#) 2021; 10:312-325Bonuomo V, Ferrarini I, Dell'Eva M *et al.*

Cured – Recovered (22 articles)

1. **Characteristics, risk factors, and outcomes associated with readmission in COVID-19 patients: A systematic review and meta-analysis.** *Am J Emerg Med* 2021; 52:166-173Akbari A, Fathabadi A, Razmi M et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923196>
2. **Relationship between Antibody Levels and SARS-CoV-2 Reinfection.** *Ann. Clin. Lab. Sci.* 2021; 51:750-755Islamoglu MS, Cengiz M, Uysal BB et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921027>
3. **The mystery of COVID-19 reinfections: A global systematic review and meta-analysis.** *Ann Med Surg (Lond)* 2021; 72:103130Dhillon RA, Qamar MA, Gilani JA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900250>
4. **Performing cardiac surgery during COVID-19 pandemic in Surabaya, Indonesia: A single-center retrospective observational study.** *Asian Cardiovasc. Thorac. Ann.* 2021;2184923211066158Sembiring YE, Puruhito P, Soebroto H et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34918573>
5. **Expectations, concerns and experiences of rehabilitation patients during the COVID-19 pandemic in Germany: a qualitative analysis of online forum posts.** *BMC Health Serv. Res.* 2021; 21:1344Altinok K, Erdsiek F, Yilmaz-Aslan Y, Brzoska P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915890>
6. **Prevalence of Long COVID symptoms in Bangladesh: a prospective Inception Cohort Study of COVID-19 survivors.** *BMJ Glob Health* 2021; 6Hossain MA, Hossain KMA, Saunders K et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906986>
7. **Functional recovery following hospitalisation of patients diagnosed with COVID-19: a protocol for a longitudinal cohort study.** *BMJ Open* 2021; 11:e053021Reid JC, Costa AP, Duong M et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903545>
8. **Persistent white matter changes in recovered COVID-19 patients at the 1-year follow-up.** *Brain* 2021; Huang S, Zhou Z, Yang D et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34918020>
9. **Thrombotic and Hemorrhagic Incidences in Patients After Discharge from COVID-19 Infection: A Systematic Review and Meta-Analysis.** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211069082Rungjirajittranon T, Owattanapanich W, Leelakanok N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907791>
10. **Myopericarditis as a Manifestation of Long COVID Syndrome.** *Cureus* 2021; 13:e19449Vera-Lastra O, Lucas-Hernández A, Ruiz-Montiel JE et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34912599>
11. **Rehabilitation needs following COVID-19: Five-month post-discharge clinical follow-up of individuals with concerning self-reported symptoms.** *EClinicalMedicine* 2022; 43:101219Wahlgren C, Divanoglou A, Larsson M et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901798>
12. **Cognitive impairment and endothelial dysfunction in convalescent COVID-19 patients undergoing rehabilitation.** *Eur. J. Clin. Invest.* 2021;e13726Moretta P, Maniscalco M, Papa A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921559>
13. **Factors associated with persistence of symptoms 1 year after COVID-19: A longitudinal, prospective phone-based interview follow-up cohort study.** *Eur J*

Intern Med 2021; Fumagalli C, Zocchi C, Tassetti L *et al.*

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903448>

14. **Cognitive sequelae of long COVID may not be permanent: A prospective study.** Eur. J. Neurol. 2021; Del Brutto OH, Rumbea DA, Recalde BY, Mera RM.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34918425>
15. **Long COVID 19 Syndrome: Is It Related to Microcirculation and Endothelial Dysfunction? Insights From TUN-EndCOV Study.** Front Cardiovasc Med 2021; 8:745758Charfeddine S, Ibn Hadj Amor H, Jdidi J *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917659>
16. **Dysautonomia following COVID-19 is not associated with subjective limitations or symptoms but is associated with objective functional limitations.** Heart Rhythm 2021; Ladlow P, O'Sullivan O, Houston A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896622>
17. **3-Month Symptom-Based Ambidirectional Follow-up Study Among Recovered COVID-19 Patients from a Tertiary Care Hospital Using Telehealth in Chennai, India.** Inquiry 2021; 58:469580211060165Nesan G, Keerthana D, Yamini R *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915771>
18. **Granulomatous reaction at PRP/Fat injection sites after recovering from SARS-CoV2: A case report.** J Cosmet Dermatol 2021; Incel Uysal P, Gunhan O.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34897927>
19. **Post-sequelae one year after hospital discharge among older COVID-19 patients: a multi-center prospective cohort study.** J Infect 2021; Fang X, Ming C, Cen Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902448>
20. **The contested meaning of "long COVID" - Patients, doctors, and the politics of subjective evidence.** Soc. Sci. Med. 2021; 292:114619Roth PH, Gadebusch-Bondio M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906823>
21. **The contested meaning of "long COVID" - Patients, doctors, and the politics of subjective evidence.** Soc. Sci. Med. 2022; 292:114619Roth PH, Gadebusch-Bondio M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906823>
22. **Sustained inflammation, coagulation activation and elevated endothelin-1 levels without macrovascular dysfunction at 3 months after COVID-19.** Thromb Res 2022; 209:106-114Willems LH, Nagy M, Ten Cate H *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34922160>

Cardiovascular disease (46 articles)

1. **Cardiac injury and COVID-19 associated coagulopathy in patients with acute SARS-CoV-2 pneumonia: A rotational thromboelastometry study.** Adv. Med. Sci. 2021; 67:39-44Capone F, Cipriani A, Molinari L *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906908>
2. **Trends of Blood Pressure Control in the U.S. During the COVID-19 Pandemic.** Am. Heart J. 2021; Shah NP, Clare RM, Chiswell K *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34902314>
3. **Chest compression quality during CPR of potential contagious patients wearing personal protection equipment.** Am J Emerg Med 2021; 52:128-131Cekmen B, Bildik B, Bozan O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922231>
4. **Immune thrombocytopenia purpura flare post COVID-19 vaccine.** Ann Med Surg (Lond) 2021;103164Ali E, Al-Maharmeh Q, Rozi WM *et al.*

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900246>

5. **Association of pulmonary embolism and acute coronary syndrome during COVID-19 infection: Case report and a brief review.** *Ann Med Surg (Lond)* 2022; 73:103152Boudihi A, Derar C, Mazouzi M et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900243>
6. **Thrombosis of the right iliac, femoral, popliteal, and tibial arteries in a post-COVID-19 in adolescent.** *Ann Pediatr Surg* 2021; 17:57da Silva MOM, Amorim Santos H, da Silva AFV et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899882>
7. **Background incidence rates of hospitalisations and emergency department visits for thromboembolic and coagulation disorders in Ontario, Canada for COVID-19 vaccine safety assessment: a population-based retrospective observational study.** *BMJ Open* 2021; 11:e052019Nasreen S, Calzavara AJ, Sundaram ME et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921078>
8. **Impact of COVID-19 pandemic on haemorrhagic stroke admissions: a systematic review and meta-analysis.** *BMJ Open* 2021; 11:e050559You Y, Niu Y, Sun F et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907050>
9. **Pulmonary arterial hypertension and right ventricular systolic dysfunction in COVID-19 survivors.** *Cardiol J* 2021; Rossi R, Coppi F, Monopoli DE et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897638>
10. **Outcomes and mortality associated with atrial arrhythmias among patients hospitalized with COVID-19: A systematic review and meta-analysis.** *Cardiol J* 2021; Szarpak L, Filipiak KJ, Skwarek A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897631>
11. **Cardiac involvement in Multisystem Inflammatory Syndrome in Children cases.** *Cardiol. Young* 2021;1-6Erol N, Sari E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915942>
12. **Takotsubo syndrome as a cardiac manifestation of multisystem inflammatory syndrome in children.** *Cardiol. Young* 2021;1-3Ludwikowska KM, Tracewski P, Kusa J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913418>
13. **Recurrence of myopericarditis following mRNA COVID-19 vaccination in a male adolescent.** *CJC Open* 2021; Umei TC, Kishino Y, Shiraishi Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904134>
14. **Myopericarditis as a Manifestation of Long COVID Syndrome.** *Cureus* 2021; 13:e19449Vera-Lastra O, Lucas-Hernández A, Ruiz-Montiel JE et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912599>
15. **Clinical Cardiovascular Adverse Events Reported Post COVID-19 Vaccination: Are they a real risk?** *Curr. Probl. Cardiol.* 2021;101077Hana D, Patel K, Roman S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902392>
16. **Using lysis therapy to treat five critically ill COVID-19 patients who show echocardiographic criteria of right ventricular strain.** *EJHaem* 2021; 2:799-804Mahdy A, Abbas E, Tarek R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909767>
17. **A year in heart failure: an update of recent findings.** *ESC Heart Fail* 2021; 8:4370-4393Stretti L, Zippo D, Coats AJS et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918477>
18. **Ventricular fibrillation arrest due to Brugada syndrome in a coronavirus disease 2019 patient with negative procainamide challenge: a case report.** *Eur Heart J Case Rep* 2021; 5:ytat454Zou G, Khanna M, Zahid S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909573>

- 19. Correlation between anti-hypertensive drugs and disease progression among moderate, severe, and critically ill COVID-19 patients in the second referral hospital in Surabaya: A retrospective cohort study.** F1000Res 2021; 10:393Suryantoro SD, Thaha M, Hayati MR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912542>
- 20. Cardiac Care of Non-COVID-19 Patients During the SARS-CoV-2 Pandemic: The Pivotal Role of CCTA.** Front Cardiovasc Med 2021; 8:775115Conte E, Mushtaq S, Mancini ME *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901235>
- 21. Heart Failure Probability and Early Outcomes of Critically Ill Patients With COVID-19: A Prospective, Multicenter Study.** Front Cardiovasc Med 2021; 8:738814Gao W, Fan J, Sun D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901205>
- 22. Normalized Cardiac Structure and Function in COVID-19 Survivors Late After Recovery.** Front Cardiovasc Med 2021; 8:756790Gao YP, Zhou W, Huang PN *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912863>
- 23. Higher Incidence of Stroke in Severe COVID-19 Is Not Associated With a Higher Burden of Arrhythmias: Comparison With Other Types of Severe Pneumonia.** Front Cardiovasc Med 2021; 8:763827Jirak P, Shomanova Z, Larbig R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901224>
- 24. Interventions to Ensure the Continuum of Care for Hypertension During the COVID-19 Pandemic in Five Indian States-India Hypertension Control Initiative.** Glob Heart 2021; 16:82Kunwar A, Durgad K, Kaur P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909373>
- 25. Diagnosis, risk stratification and management of myocarditis.** Heart 2021; Müller M, Cooper LT, Heidecker B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907088>
- 26. Impact of cardiometabolic multimorbidity and ethnicity on cardiovascular/renal complications in patients with COVID-19.** Heart 2021; Norris T, Razieh C, Zaccardi F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911741>
- 27. The COSEVAST Study Outcome: Evidence of COVID-19 Severity Proportionate to Surge in Arterial Stiffness.** Indian J. Crit. Care Med. 2021; 25:1113-1119Kumar N, Kumar S, Kumar A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916742>
- 28. Vascular thrombosis and vasculitis in the gastrointestinal tract are associated with poor prognosis in patients with COVID-19.** Int. J. Clin. Exp. Pathol. 2021; 14:1069-1079Cui M, Wang Q, Xin AW *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900075>
- 29. Pulmonary Hypertensive Changes Secondary to COVID-19 Pneumonia in a Chronically SARS-CoV-2-Infected Bilateral Lung Explant.** Int. J. Surg. Pathol. 2021;10668969211064208Rohr JM, Strah H, Berkheim D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894817>
- 30. COVID-19 and Anticoagulation for Atrial Fibrillation: An Analysis of US Nationwide Pharmacy Claims Data.** J Am Heart Assoc 2021; 10:e023235Hernandez I, Gabriel N, He M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913359>
- 31. Bleeding Complications in Patients With Perioperative COVID-19 Infection Undergoing Cardiac Surgery: A Single-Center Matched Case-Control Study.** J Cardiothorac Vasc Anesth 2021; Chiariello GA, Bruno P, Pavone N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906382>

32. **Hypertension and COVID-19: Updates from the era of vaccines and variants.** *J Clin Transl Endocrinol* 2022; 27:100285Swamy S, Koch CA, Hannah-Shmouni F et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900602>
33. **Risk of post-intubation cardiac arrest with the use of high-dose rocuronium in COVID-19 patients with acute respiratory distress syndrome: A retrospective cohort study.** *J Clin Transl Res* 2021; 7:717-722Kandinata N, Acharya R, Patel A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901517>
34. **Early report from the Pediatric Heart Transplant Society on COVID-19 infections in pediatric heart transplant candidates and recipients.** *J. Heart Lung Transplant.* 2021; Conway J, Auerbach SR, Richmond ME et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903451>
35. **Fulminant Reversible Cerebral Vasoconstriction Syndrome in Breakthrough COVID 19 Infection.** *J. Stroke Cerebrovasc. Dis.* 2021; 31:106238Ray S, Kamath VV, Raju PA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915308>
36. **Clinico-histopathologic and single nuclei RNA sequencing insights into cardiac injury and microthrombi in critical COVID-19.** *JCI Insight* 2021; Brener MI, Hulke ML, Fukuma N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905515>
37. **Analysis of cardiovascular disease factors on SARS-CoV-2 infection severity.** *Med Clin (Barc)* 2021; Zhang ZQ, Wan JQ, Zhu SK et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895748>
38. **Editors' Choice > Prevalence of acute coronary syndrome during the pandemic of COVID-19 in the Tokai Region of Japan.** *Nagoya J. Med. Sci.* 2021; 83:697-703Kudo N, Tanaka A, Ishii H et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916714>
39. **Impact of the COVID-19 pandemic on emergency admission for patients with stroke: a time series study in Japan.** *Neurol Res Pract* 2021; 3:64Tani T, Imai S, Fushimi K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895353>
40. **Targeting the NLRP3 inflammasome in cardiovascular diseases.** *Pharmacol. Ther.* 2021; 236:108053Toldo S, Mezzaroma E, Buckley LF et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906598>
41. **Cardiac complications following mRNA COVID-19 vaccines: A systematic review of case reports and case series.** *Rev Med Virol* 2021:e2318Fazlollahi A, Zahmatyar M, Noori M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921468>
42. **Fighting the pandemic with collaboration at heart: Report from cardiologists in a COVID-19-dedicated Portuguese intensive care unit.** *Rev Port Cardiol (Engl Ed)* 2021; 40:923-928Ribeiro Queirós P, Caeiro D, Ponte M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922698>
43. **Atypical ST-Segment-Elevation Myocardial Infarction Presentation in Patients With COVID-19 at a High-Volume Center in New York City.** *Tex. Heart Inst. J.* 2021; 48Alvarez Villela MA, Alkhalil A, Weinreich MA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913970>
44. **Differences between surviving and non-surviving venous thromboembolism COVID-19 patients: a systematic review.** *Thromb J* 2021; 19:101Castillo-Perez M, Jerjes-Sanchez C, Castro-Varela A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911551>
45. **Incidence of venous thromboembolic events in COVID-19 patients after hospital discharge: A systematic review and meta-analysis.** *Thromb Res* 2022;

209:94-98Zuin M, Engelen MM, Barco S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896917>

46. **Post RNA-based COVID vaccines myocarditis: Proposed mechanisms.** *Vaccine* 2021; Kadkhoda K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895937>

Diagnosis (13 articles)

1. **COVID-19 associated mucormycosis: evolving technologies for early and rapid diagnosis.** *3 Biotech* 2022; 12:6Samson R, Dharne M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900512>
2. **Wearable Sensors for Remote Health Monitoring: Potential Applications for Early Diagnosis of Covid-19.** *Adv Mater Technol* 2021;2100545Mirjalali S, Peng S, Fang Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901382>
3. **Multi-COVID-Net: Multi-objective optimized network for COVID-19 diagnosis from chest X-ray images.** *Appl Soft Comput* 2022; 115:108250Goel T, Murugan R, Mirjalili S, Chakrabarty DK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903956>
4. **A deep and handcrafted features-based framework for diagnosis of COVID-19 from chest x-ray images.** *Concurr Comput* 2021:e6725Bozkurt F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899079>
5. **COVID or Not COVID? A Great Mimicker Behind the Smoke Screen.** *Cureus* 2021; 13:e19480Ayoub M, Quamme M, Abdel-Reheem AK, Lwin P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912621>
6. **COVID-19 patient diagnosis and treatment data mining algorithm based on association rules.** *Expert Syst* 2021:e12814Shan Z, Miao W. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898798>
7. **COVIDSAVIOR: A Novel Sensor-Fusion and Deep Learning Based Framework for Virus Outbreaks.** *Front Public Health* 2021; 9:797808Pandya S, Sur A, Solke N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917585>
8. **Point-of-Care Diagnostic Tools for Surveillance of SARS-CoV-2 Infections.** *Front Public Health* 2021; 9:766871Sakthivel D, Delgado-Diaz D, McArthur L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900912>
9. **Recent advances in methods for the diagnosis of Corona Virus Disease 2019.** *J. Clin. Lab. Anal.* 2021:e24178Guo J, Ge J, Guo Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921443>
10. **Constructing tongue coating recognition model using deep transfer learning to assist syndrome diagnosis and its potential in noninvasive ethnopharmacological evaluation.** *J. Ethnopharmacol.* 2022; 285:114905Wang X, Wang X, Lou Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896205>
11. **Diagnostic performance of thorax CT in mildly symptomatic COVID-19 patients: The importance of atypical CT findings.** *North Clin Istanb* 2021; 8:425-434Eroglu SE, Algin A, Bulut SSD *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909580>
12. **Differentiating COVID-19 and dengue from other febrile illnesses in co-epidemics: Development and internal validation of COVIDENGUE scores.** *Travel Med Infect Dis* 2021; 45:102232Gérardin P, Maillard O, Bruneau L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896649>
13. **Post RNA-based COVID vaccines myocarditis: Proposed mechanisms.** *Vaccine* 2022; 40:406-407Kadkhoda K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895937>

DM-MS-Obesity (15 articles)

- 1. Changes in Weight-Related Health Behaviors and Social Determinants of Health among Youth with Overweight/Obesity during the COVID-19 Pandemic.** *Child Obes* 2021; Hu P, Samuels S, Maciejewski KR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919458>
- 2. Hyperglycemia and insulin resistance in COVID-19 versus non-COVID critical illness: Are they really different?** *Crit Care* 2021; 25:437Langouche L, Van den Berghe G, Gunst J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920750>
- 3. SARS-CoV-2 Seroprevalence in Individuals With Type 1 and Type 2 Diabetes Compared With Controls.** *Endocr. Pract.* 2021; Goyal A, Gupta Y, Kalaivani M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920109>
- 4. Robust Antibody Levels in Both Diabetic and Non-Diabetic Individuals After BNT162b2 mRNA COVID-19 Vaccination.** *Front. Immunol.* 2021; 12:752233Ali H, Alterki A, Sindhu S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899701>
- 5. Impact of cardiometabolic multimorbidity and ethnicity on cardiovascular/renal complications in patients with COVID-19.** *Heart* 2021; Norris T, Razieh C, Zaccardi F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911741>
- 6. The second wave of COVID-19 results in outbreak of mucormycosis: diabetes and immunological perspective.** *Horm. Mol. Biol. Clin. Investig.* 2021; Ahirwar AK, Kaim K, Ahirwar P, Kumawat R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908254>
- 7. The Impact of Diabetes Mellitus and Hyperglycemia on the Severity and Outcome of Patients with COVID-19 Disease: A Single-Center Experience.** *Int. J. Gen. Med.* 2021; 14:9445-9457Al Argan R, Alkhafaji D, Al Elq A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908871>
- 8. Characterizing progressive beta-cell recovery after new-onset DKA in COVID-19 provoked A-β+ KPD (ketosis-prone diabetes): A prospective study from Eastern India.** *J. Diabetes Complications* 2021;108100Gupta RD, Atri A, Mondal S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916147>
- 9. COVID-19 and chronic diabetes: the perfect storm for reactivation tuberculosis?: a case series.** *J Med Case Rep* 2021; 15:621Aguillón-Durán GP, Prieto-Martínez E, Ayala D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915933>
- 10. Glycemic control is associated with lower odds of mortality and successful extubation in severe COVID-19.** *J Osteopath Med* 2021; Pescatore JM, Sarmiento J, Hernandez-Acosta RA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908253>
- 11. Factors associated with the weight change trend in the first year of the COVID-19 pandemic: the case of Turkey.** *Nutr. Res. Pract.* 2021; 15:S53-s69Onal HY, Bayram B, Yuksel A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909133>
- 12. Short report: engagement with health services during the COVID-19 outbreak: the case of Israeli people with diabetes.** *Psychol Health Med* 2021;1-8Shinan-Altman S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903125>
- 13. Short report: engagement with health services during the COVID-19 outbreak: the case of Israeli people with diabetes.** *Psychol Health Med* 2022; 27:178-185Shinan-Altman S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903125>

14. **Preliminary study regarding the predicted body weight-based dexamethasone therapy in patients with COVID-19 pneumonia.** Pulm. Pharmacol. Ther. 2021; 72:102108Isaka Y, Hirasawa Y, Terada J *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923122>
15. **Assessment of knowledge and challenges toward the use of subcutaneous self-injecting insulin among diabetes patients during COVID-19 pandemic in Saudi Arabia.** Saudi Pharm J 2021; 29:1506-1512Zuhair Alshawwa S, Abdulaziz Almass S, Abdullah Alotaibi S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899013>

Education and training and science (69 articles)

1. **COVID-19's Negative Impacts on Clinical Learning and Proposed Compensation Mechanisms Among Undergraduate Midwifery and Nursing Students of Jimma University.** Adv Med Educ Pract 2021; 12:1411-1417Angasu K, Bekela T, Gelan M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899004>
2. **Remote Pathology teaching under the COVID-19 pandemic: Medical students' perceptions.** Ann. Diagn. Pathol. 2021; 56:151875Rodrigues MAM, Zornoff D, Kobayashi R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923346>
3. **Remote Pathology teaching under the COVID-19 pandemic: Medical students' perceptions.** Ann. Diagn. Pathol. 2022; 56:151875Rodrigues MAM, Zornoff D, Kobayashi R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923346>
4. **Analysis of challenges faced and the scientific content of a hybrid pediatric surgical conference arranged during the COVID-19 pandemic.** Ann Pediatr Surg 2021; 17:67Patel MH, Akhtar J, Taqvi S, Batool T.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899883>
5. **We are infected with the new, mutated virus UO-COVID-19.** Arch. Med. Sci. 2021; 17:1706-1715Kulesza W, Dolinski D, Muniak P *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900052>
6. **Pre- and post-flushing of three schools in Arizona due to COVID-19 shutdown.** AWWA Water Sci 2021; 3:e1239Richard R, Boyer TH.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901766>
7. **Introduction of COVID-19 knowledge via film teaching method.** Biochem Mol Biol Educ 2021; Liang B, Shen J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921703>
8. **Medical students' perceptions and coping strategies during the first wave of the COVID-19 pandemic: studies, clinical implication, and professional identity.** BMC Med. Educ. 2021; 21:620Sophie W, Julia S, Bernard C *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915888>
9. **Satisfaction with life among university students from nine countries: Cross-national study during the first wave of COVID-19 pandemic.** BMC Public Health 2021; 21:2262Rogowska AM, Ochnik D, Kuśnierz C *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34895179>
10. **Predictive validity of A-level grades and teacher-predicted grades in UK medical school applicants: a retrospective analysis of administrative data in a time of COVID-19.** BMJ Open 2021; 11:e047354McManus IC, Woolf K, Harrison D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916308>
11. **What challenges did junior doctors face while working during the COVID-19 pandemic? A qualitative study.** BMJ Open 2021; 11:e056122Spiers J, Buszewicz

- M, Chew-Graham C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903552>
12. **Secondary school students' perception of the online teaching experience during COVID-19: The impact on mental wellbeing and specific learning difficulties.** *Br. J. Educ. Psychol.* 2021;e12475Walters T, Simkiss NJ, Snowden RJ, Gray NS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902881>
13. **Use of simulation to teach in the operating room: don't Let the COVID-19 pandemic to interrupt education an observational clinical trial.** *Braz J Anesthesiol* 2021; Büyük S, Bermede O, Erkoç S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921904>
14. **When virtual becomes reality: short term impressions of a two-week virtual urology sub-internship program.** *Can J Urol* 2021; 28:10907-10913Whiles BB, Kowalik CG, Mirza M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895395>
15. **SARS-CoV-2 and COVID-19: revisiting the most important research questions.** *Cell Biosci* 2021; 11:215Yuen KS, Ye ZW, Fung SY *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922626>
16. **Effectiveness of resilience training on social self-efficacy of the elementary school girls during COVID-19 outbreak.** *Clin. Child Psychol. Psychiatry* 2021;13591045211056504Gadari S, Farokhzadian J, Mangolian Shahrbabaki P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894781>
17. **Impact of COVID 19 webinar on knowledge, attitude and practices among Indian population- A community based study.** *Clin Epidemiol Glob Health* 2022; 13:100919Mathad V, Shetty A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904131>
18. **How to translate the knowledge of COVID-19 into the prevention of Omicron variants.** *Clin Transl Med* 2021; 11:e680Wang X, Powell CA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898050>
19. **A Face-to-Face Surgical Instrumentation Course During the COVID-19 Pandemic.** *Cureus* 2021; 13:e19266Cullen SE, Tiu A, Vaghela KR, Hunter AR. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900461>
20. **An Evaluation of YouTube Videos as a Surgical Instructional Tool for Endoscopic Endonasal Approaches in Otolaryngology.** *Ear Nose Throat J* 2021;1455613211062447De La Torre AB, Joe S, Lee VS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894801>
21. **Worldwide Protein Data Bank (wwPDB): A virtual treasure for research in biotechnology.** *Eur. J. Microbiol. Immunol. (Bp)*_2021; Behzadi P, Gajdács M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908533>
22. **Editorial: AI-Enabled Data Science for COVID-19.** *Front Big Data* 2021; 4:802452Yan D, Qin H, Wu HY, Chen JY. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901846>
23. **Association Between Online Self-Directed Learning Ability and Negative Emotions Among College Students During the COVID-19 Pandemic: A Cross-Sectional Study in Anhui Province, East China.** *Front. Psychol.* 2021; 12:720911Chang WW, Zhang L, Wen LY *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916987>
24. **Psychological Benefits and Challenges of Ph.D. Entrance Exam Virtual Interviews During COVID-19 Pandemic: Does Gender Play a Role?** *Front. Psychol.* 2021; 12:800715Ebadi S, Bashiri S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899548>

- 25. Assessment of Language and Literacy Teachers' Distance Teaching in COVID-19 Lockdown Time.** *Front. Psychol.* 2021; 12:762732Huang Y, Lu J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916996>
- 26. Experiences and Perceived Self-Efficacy in Distance Learning Among Teachers of Students With Special Educational Needs.** *Front. Psychol.* 2021; 12:733865Maurer J, Becker A, Hilkenmeier J, Daseking M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899473>
- 27. How Children and Adolescents Perceive Their Coping With Home Learning in Times of COVID-19: A Mixed Method Approach.** *Front. Psychol.* 2021; 12:733428Simm I, Winklhofer U, Naab T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916990>
- 28. Stress and Burnout in Teachers During Times of Pandemic.** *Front. Psychol.* 2021; 12:756007Vargas Rubilar N, Oros LB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899498>
- 29. Online Learning-Related Visual Function Impairment During and After the COVID-19 Pandemic.** *Front Public Health* 2021; 9:645971Fan Q, Wang H, Kong W *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912766>
- 30. Knowledge, Attitude, and Practices Associated With COVID-19 Among Healthcare Workers in Hospitals: A Cross-Sectional Study in India.** *Front Public Health* 2021; 9:787845Gopalakrishnan S, Kandasamy S, Abraham B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900923>
- 31. Appraisal of the knowledge, attitude, perception and practices among northern Nigerians in the wake of the COVID-19 outbreak.** *Future Sci OA* 2021; 8:FsoLawal N, Bello MB, Yakubu Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898660>
- 32. One year of COVID-19 pandemic: a cross sectional study on teaching oral and maxillofacial surgery.** *Head Face Med.* 2021; 17:51Bock A, Peters F, Winnand P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922586>
- 33. Virtual Summer Undergraduate Mentorship Program for Students Underrepresented in Medicine Yields Significant Increases in Self-Efficacy Measurements During COVID-19 Pandemic: A Mixed Methods Evaluation.** *Health Equity* 2021; 5:697-706Stephenson-Hunter C, Franco S, Martinez A, Strelnick AH. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909539>
- 34. Estimating students' online learning satisfaction during COVID-19: A discriminant analysis.** *Helijon* 2021; 7:e08544Al-Nasa'h M, Al-Tarawneh L, Abu Awwad FM, Ahmad I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909480>
- 35. Challenges of online teaching during Covid-19: An exploratory factor analysis.** *Hum Behav Emerg Technol* 2021; Siddiquei MI, Kathpal S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901771>
- 36. Effectiveness of virtual training for medical officers and community health officers in the critical care management of COVID-19 patients in the intensive care unit.** *Indian J. Anaesth.* 2021; 65:S168-s173Gautam S, Shukla A, Mishra N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908569>
- 37. Knowledge, Attitude, and Practice of Nurses Toward COVID-19: A Cross-Sectional Study in a Referral Hospital of Indonesia.** *Iran. J. Nurs. Midwifery Res.* 2021; 26:569-572Marthoenis M, Maskur M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900659>
- 38. A platform for the international exchange of ideas: the Israel Journal of Health Policy Research celebrates its first decade.** *Isr J Health Policy Res* 2021;

- 10:66McKee M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906251>
39. **Cross-sectional study of dermatology residency home match incidence during the COVID-19 pandemic.** *J Am Acad Dermatol* 2021; Abdelwahab R, Antezana LA, Xie KZ et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921983>
40. **Report from the RSNA COVID-19 Task Force: COVID-19 Impact on Academic Radiology Research-A Survey of Vice Chairs of Research.** *J Am Coll Radiol* 2021; Mossa-Basha M, Krupinski EA, Filippi CG et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919832>
41. **Graduate student workload: Pandemic challenges and recommendations for accommodations.** *J. Community Psychol.* 2021; Swanson HL, Pierre-Louis C, Monjaras-Gaytan LY et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897694>
42. **Where's the germs? The effects of using virtual reality on nursing students' hospital infection prevention during the COVID-19 pandemic.** *J Comput Assist Learn* 2021; Liu Y, Butzlaff A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903904>
43. **Changes in activity and content of messages of an Estonian Facebook group during transition to distance learning at the beginning of the COVID-19 pandemic.** *J Comput Assist Learn* 2021; Luik P, Lepp M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903903>
44. **Higher education students' experiences and opinion about distance learning during the Covid-19 pandemic.** *J Comput Assist Learn* 2021; Stevanović A, Božić R, Radović S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903902>
45. **Factors impacting university students' online learning experiences during the COVID-19 epidemic.** *J Comput Assist Learn* 2021; Su CY, Guo Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908643>
46. **Taking the Learner on a Journey - An analysis of an Integrated Virtual CME Program in Epilepsy during the COVID-19 Pandemic.** *J Eur CME* 2021; 10:2015190Weisshardt I, Vlaev I, Cross JH, Blümcke I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912591>
47. **Self-perceived knowledge level of epidemic management in medical residents prior to the start of the COVID-19 pandemic in Mexico.** *J Infect Dev Ctries* 2021; 15:1597-1602Reyna-Figueroa J, Arvizu-Chavez I, Luna-Rivera EM et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898484>
48. **University community-based survey on the knowledge, attitude and perception about COVID-19 pandemic: the Federal University of Agriculture, Abeokuta, Nigeria as a case study.** *J. Prev. Med. Hyg.* 2021; 62:E575-e585Adenubi OT, Adebawale OO, Oloye AA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909482>
49. **Knowledge, attitude, and practice of undergraduate medical students in Indonesia on the COVID-19 prevention.** *J. Prev. Med. Hyg.* 2021; 62:E598-e604Giovanni LY, Suryadinata H, Sofiatin Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909485>
50. **How is COVID-19 perceived by medical students? A survey in Aceh province, Indonesia.** *Jamba* 2021; 13:1146Oktari RS, Detiro MD, Rahman S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909138>
51. **Leading through the first wave of COVID: a Canadian action research study.** *Leadersh Health Serv (Bradf Engl)* 2021; ahead-of-printHartney E, Melis E, Taylor D et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898142>
52. **Assessment of medical students' preparedness and willingness for integration into a war-torn healthcare system: the example of COVID-19 pandemic**

- scenario.** *Med. Confl. Surviv.* 2021;1-18Alsuliman T, Alasadi L, Kasem RA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913769>
53. **The impact of covid-19 on psychosocial well-being and learning for australian nursing and midwifery undergraduate students: a cross-sectional survey.** *Nurse Educ Pract* 2021; 58:103275Rasmussen B, Hutchinson A, Lowe G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922092>
54. **Centralized Otolaryngology Research Efforts: Stepping-stones to Innovation and Equity in Otolaryngology-Head and Neck Surgery.** *Otolaryngol Head Neck Surg* 2021;1945998211065465Brenner MJ, Nelson RF, Valdez TA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905423>
55. **The "new-normal" OSCE examination: Executing in the COVID-19 era.** *Pak J Med Sci* 2021; 37:2026-2028Babar S, Afzal A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912438>
56. **Differential privacy for public health data: An innovative tool to optimize information sharing while protecting data confidentiality.** *Patterns (N Y)* 2021; 2:100366Dyda A, Purcell M, Curtis S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909703>
57. **Weakly-supervised lesion analysis with a CNN-based framework for COVID-19.** *Phys. Med. Biol.* 2021; 66Wu K, Jelfs B, Ma X *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905733>
58. **Use of Bibliometrics Data to Understand the Citation Advantages of Different Open Access Categories in Covid-19 Related Studies.** *Proc Assoc Inf Sci Technol* 2021; 58:410-414Chen X, Bharti N, Marsteller MR. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901398>
59. **Youth Information Interaction Research in the Pandemic: Adjustments, Innovations, Implications.** *Proc Assoc Inf Sci Technol* 2021; 58:577-581Figueiredo V, Meyers EM, Bilal D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901399>
60. **Parental involvement in homework of children with learning disabilities during distance learning: Relations with fear of COVID-19 and resilience.** *Psychol. Sch.* 2021; 58:2345-2360Touloupis T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908594>
61. **Drawing lessons from the COVID-19 pandemic: Seven obstacles to learning from public inquiries in the wake of the crisis.** *Risk Hazards Crisis Public Policy* 2021; Eriksson K, Staupe-Delgado R, Holst J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909110>
62. **Assessment of knowledge and challenges toward the use of subcutaneous self-injecting insulin among diabetes patients during COVID-19 pandemic in Saudi Arabia.** *Saudi Pharm J* 2021; 29:1506-1512Zuhair Alshawwa S, Abdulaziz Almass S, Abdullah Alotaibi S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899013>
63. **Decision-making algorithms for learning and adaptation with application to COVID-19 data.** *Signal Processing* 2022; 194:108426Marano S, Sayed AH. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898764>
64. **Differential impact, differential adjustments: diverse experiences of the COVID-19 pandemic by college students in an Upper-Midwestern University, USA.** *SN Soc Sci* 2021; 1:289Karikari I, Karikari G, Kyere E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909702>
65. **Determining the Knowledge, Attitude and Perception towards COVID-19 among Newly Recruited Surveillance Team in Ikeja, Lagos State, Nigeria: How**

justified are we in the Recruitment? West Afr. J. Med. 2021; Vol. 38:1050-1057Babatunde OA, Akande RO, Olarewaju SO.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34919361>

66. **IMPACT OF VACCINATION ON THE COVID-19 PANDEMIC:BIBLIOMETRIC ANALYSIS AND CROSS COUNTRY FORECASTING BY FOURIER SERIES.** Wiad. Lek. 2021; 74:2359-2367Kuzmenko OV, Smiianov VA, Rudenko LA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896988>
67. **COVID-19: Effect on gastroenterology and hepatology service provision and training: Lessons learnt and planning for the future.** World J. Gastroenterol. 2021; 27:7625-7648Anjum MR, Chalmers J, Hamid R, Rajoriya N.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908803>
68. **Impact of COVID-19 pandemic on radiology education, training, and practice: A narrative review.** World J Radiol 2021; 13:354-370Majumder MAA, Gaur U, Singh K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904050>
69. **Political power and awareness of nursing during the COVID-19 pandemic from the views of senior nursing students.** World Med Health Policy 2021; Çatiker A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909240>

Elderly (17 articles)

1. **With age comes well-being: older age associated with lower stress, negative affect, and depression throughout the COVID-19 pandemic.** Aging Ment. Health 2021;1-9Fields EC, Kensinger EA, Garcia SM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915781>
2. **Integrating Praxis Through the Research Process: Caregivers for Older Americans During the COVID-19 Pandemic.** Ann Anthropol Pract 2021; 45:162-174Freidus A, Shenk D, Wolf C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909243>
3. **Effect of Synaid on cognitive functions and mood in elderly subjects with self-perceived loss of memory after COVID-19 infection.** Arch. Med. Sci. 2021; 17:1797-1799Bove M, Fogacci F, Quattrocchi S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900061>
4. **COVID-19 and geriatric medicine in Australia and New Zealand.** Australas. J. Ageing 2021; Ischia L, Naganathan V, Waite LM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904362>
5. **Immunogenicity of the BNT162b2 mRNA COVID-19 vaccine in older residents of a long-term care facility: relation with age, frailty and prior infection status.** Biogerontology 2021;1-12Seiffert P, Konka A, Kasperczyk J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923608>
6. **Monitoring for COVID-19 by universal testing in a homeless shelter in Germany: a prospective feasibility cohort study.** BMC Infect. Dis. 2021; 21:1241Lindner AK, Sarma N, Rust LM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895157>
7. **Impact of COVID-19 on mobility and participation of older adults living in Hamilton, Ontario, Canada: a multimethod cohort design protocol.** BMJ Open 2021; 11:e053758Beauchamp MK, Vrkljan B, Kirkwood R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916322>
8. **Relationship Between Social Activity and Frailty in Japanese Older Women During Restriction on Outings due to COVID-19.** Can Geriatr J 2021; 24:320-

324Akita M, Otaki N, Yokoro M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912486>

9. **Ect in Two Elderly Patients with Covid-19: Weighing Up Unknown Risks in Unprecedented Times.** [Clin Neuropsychiatry](https://pubmed.ncbi.nlm.nih.gov/34909007/) 2020; 17:295-299McCarron RH, Rathee R, Yang S, Thavachelvi C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909007>
10. **Food Access, Diet Quality, and Nutritional Status of Older Adults During COVID-19: A Scoping Review.** [Front Public Health](https://pubmed.ncbi.nlm.nih.gov/34917577/) 2021; 9:763994Nicklett EJ, Johnson KE, Troy LM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917577>
11. **COVID-19 serology in nursing homes and long-term care facilities: prevalence of seroconversion in the Amiens-Picardie University Hospital.** [Geriatr. Psychol. Neuropsychiatr. Vieil.](https://pubmed.ncbi.nlm.nih.gov/34903505/) 2021; Moyet J, Joseph C, Brochot E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903505>
12. **Distanced behind the mask: The use of non-verbal communication when counselling the elderly during the COVID-19 pandemic.** [Health SA](https://pubmed.ncbi.nlm.nih.gov/34909231/) 2021; 26:1665Ann Jarvis M, Smith L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909231>
13. **Mental State of Students During the Pandemic and Affecting Factors: A Cross-Sectional Study.** [Inquiry](https://pubmed.ncbi.nlm.nih.gov/34911386/) 2021; 58:469580211056389Nehir S, Gungor Tavsanli N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911386>
14. **Invisible and at-risk: older adults during the COVID-19 pandemic.** [J Elder Abuse Negl](https://pubmed.ncbi.nlm.nih.gov/34913852/) 2021:1-7Benbow SM, Bhattacharyya S, Kingston P, Peisah C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913852>
15. **Antibody responses to COVID-19 vaccines in older adults.** [J Med Virol](https://pubmed.ncbi.nlm.nih.gov/34921432/) 2021; Bag Soytas R, Cengiz M, Islamoglu MS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921432>
16. **Facing double jeopardy: Experiences of driving cessation in older adults during COVID-19 pandemic.** [J Transp Health](https://pubmed.ncbi.nlm.nih.gov/34900586/) 2021; 23:101285Abootalebi M, Delbari A, Abolfathi Momtaz Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900586>
17. **Trainee and trainer experiences and recommendations for plastic surgery training: A qualitative pilot study.** [JPRAS Open](https://pubmed.ncbi.nlm.nih.gov/34917732/) 2022; 31:76-91Cooper L, Din AH, O'Connor EF *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917732>

Epidemiology (76 articles)

1. **Outcomes in patients hospitalized for COVID-19 among Asian, Pacific Islander, and Hispanic subgroups in the American Heart Association COVID-19 registry.** [Am J Med Open](https://pubmed.ncbi.nlm.nih.gov/34918003/) 2021; 1:100003Shah NS, Giase GM, Petito LC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918003>
2. **What has the 2020 Tokyo Olympic and Paralympic Games taught global health on sporting mass gatherings under COVID-19 pandemic?** [Anaesth Crit Care Pain Med](https://pubmed.ncbi.nlm.nih.gov/34902633/) 2021; 41:101001Shimizu K, Mossialos E, Shibuya K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902633>
3. **Prevalence of current and past COVID-19 in Ohio adults.** [Ann. Epidemiol.](https://pubmed.ncbi.nlm.nih.gov/34921991/) 2021; Turner AN, Kline D, Norris A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921991>
4. **Ann. Epidemiol.** 2021; 67:29-34Wojciechowski TW, Casey Sadler R, Buchalski Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923119>

5. **Trajectory Modeling of Spatio-Temporal Trends in COVID-19 Incidence in Flint and Genesee County, Michigan.** *Ann. Epidemiol.* 2021; 67:29-34Wojciechowski TW, Sadler RC, Buchalski Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923119>
6. **Seasonal farm labor and COVID-19 spread.** *Appl Econ Perspect Policy* 2021; Charlton D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900209>
7. **Prevalence and associated factors of COVID-19 across Italian regions: a secondary analysis from a national survey on physiotherapists.** *Arch Physiother* 2021; 11:30Gambazza S, Bargeri S, Campanini I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915932>
8. **Monitoring for COVID-19 by universal testing in a homeless shelter in Germany: a prospective feasibility cohort study.** *BMC Infect. Dis.* 2021; 21:1241Lindner AK, Sarma N, Rust LM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895157>
9. **Prevalence of Long COVID symptoms in Bangladesh: a prospective Inception Cohort Study of COVID-19 survivors.** *BMJ Glob Health* 2021; 6Hossain MA, Hossain KMA, Saunders K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906986>
10. **Seroprevalence of SARS-CoV-2 in urban settings in three sub-Saharan African countries (SeroCoV): a study protocol for a household-based cross-sectional prevalence study using two-stage cluster sampling.** *BMJ Open* 2021; 11:e056853Lorenz E, Souares A, Amuasi J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921091>
11. **Transmission of COVID-19 from community to healthcare agencies and back to community: a retrospective study of data from Wuhan, China.** *BMJ Open* 2021; 11:e053068Yang M, Li A, Xie G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921080>
12. **Prevalence of SARS-CoV-2 infection among people experiencing homelessness in Toronto during the first wave of the COVID-19 pandemic.** *Can. J. Public Health.* 2021;1-9Luong L, Beder M, Nisenbaum R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919211>
13. **Estimated reproduction ratios in the SIR model.** *Can J Stat* 2021; 49:992-1017Elliott S, Gouréroux C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898816>
14. **Under-reporting of COVID-19 in the Northern Health Authority region of British Columbia.** *Can J Stat* 2021; 49:1018-1038Parker MRP, Li Y, Elliott LT *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898817>
15. **Gompertz model in COVID-19 spreading simulation.** *Chaos Solitons Fractals* 2022; 154:111699Pelinovsky E, Kokoulin M, Epifanova A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898863>
16. **A Covid-19's integrated herd immunity (CIHI) based on classifying people vulnerability.** *Comput. Biol. Med.* 2021; 140:105112Rabie AH, Saleh AI, Mansour NA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906797>
17. **Exploring temporal varying demographic and economic disparities in COVID-19 infections in four U.S. areas: based on OLS, GWR, and random forest models.** *Comput Urban Sci* 2021; 1:27Jiao J, Chen Y, Azimian A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901952>
18. **SARS-CoV-2 Circulation, Guinea, March 2020-July 2021.** *Emerg Infect Dis* 2021; 28Grayo S, Troupin C, Diagne MM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906290>

19. **Serial Interval and Transmission Dynamics during SARS-CoV-2 Delta Variant Predominance, South Korea.** *Emerg Infect Dis* 2021; 28:Ryu S, Kim D, Lim JS et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906289>
20. **Cross-sectional cycle threshold values reflect epidemic dynamics of COVID-19 in Madagascar.** *Epidemics* 2021; 38:100533Andriamananjara SF, Brook CE, Razanajatovo N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896895>
21. **Assessment of population infection with SARS-CoV-2 in Ontario, Canada, March to June 2020.** *Euro Surveill* 2021; 26:Bolotin S, Tran V, Deeks SL et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915969>
22. **Outbreak caused by the SARS-CoV-2 Omicron variant in Norway, November to December 2021.** *Euro Surveill* 2021; 26:Brandal LT, MacDonald E, Veneti L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915975>
23. **Epidemiological characterisation of the first 785 SARS-CoV-2 Omicron variant cases in Denmark, December 2021.** *Euro Surveill* 2021; 26:Espenhain L, Funk T, Overvad M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915977>
24. **Comparison of hospitalizations and deaths from COVID-19 2021 versus 2020 in Italy: surprises and implications.** *F1000Res* 2021; 10:964Donzelli A, Alessandria M, Orlando L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909193>
25. **The Global Epidemic of the SARS-CoV-2 Delta Variant, Key Spike Mutations and Immune Escape.** *Front. Immunol.* 2021; 12:751778Tian D, Sun Y, Zhou J, Ye Q. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917076>
26. **How Is the Risk of Major Sudden Infectious Epidemic Transmitted? A Grounded Theory Analysis Based on COVID-19 in China.** *Front Public Health* 2021; 9:795481Duan X, Zhang Z, Zhang W. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900927>
27. **Compliance with safety measures and risk of COVID-19 transmission among healthcare workers.** *Future Sci OA* 2022; 8:Fso762Shatnawi NJ, Mesmar Z, Al-Omari GA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900337>
28. **The second wave of COVID-19 results in outbreak of mucormycosis: diabetes and immunological perspective.** *Horm. Mol. Biol. Clin. Investig.* 2021; Ahirwar AK, Kaim K, Ahirwar P, Kumawat R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908254>
29. **Genome sequencing of SARS-CoV-2 reveals the prevalence of variant B 1.1.7 in Egypt.** *Infect Genet Evol* 2021; 97:105191Seadawy MG, Gad AF, Abo-Elmaaty SA, Hassan MG. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923158>
30. **Impact of environmental transmission and contact rates on Covid-19 dynamics: A simulation study.** *Inform Med Unlocked* 2021; 27:100807Rwezaura H, Tchoumi SY, Tchuenche JM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901380>
31. **Effect of comorbidities and risk conditions on death from COVID-19 in migrants in Mexico.** *Int J Equity Health* 2021; 20:257Martínez-Martínez OA, Valenzuela-Moreno KA, Coutiño B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922533>
32. **Age dependence of the natural history of infection with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2): an analysis of Diamond Princess data.** *Int J Infect Dis* 2021; 115:109-115Kobayashi T, Yoshii K, Linton NM et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902585>
33. **The impact of the COVID-19 preventive measures on influenza transmission: molecular and epidemiological evidence.** *Int J Infect Dis* 2021; Tran LK, Huang

- DW, Li NK *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902583>
34. **Monitoring the SPREAD of the SARS-CoV-2 lineage B.1.621 in Udine, Italy.** *J Clin. Pathol.* 2021; Mio C, Dal Secco C, Marzinotto S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911747>
35. **On the early detecting of the COVID-19 outbreak.** *J Infect Dev Ctries* 2021; 15:1625-1629Aba Oud M, Almuqrin M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898489>
36. **Emergence of a novel SARS-CoV-2 Pango lineage B.1.1.526 in West Bengal, India.** *J Infect Public Health* 2022; 15:42-50Sarkar R, Saha R, Mallick P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896696>
37. **Emerging and re-emerging viral infections in India.** *J. Prev. Med. Hyg.* 2021; 62:E628-e634Patel M, Goel AD, Bhardwaj P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909490>
38. **Deciphering early-warning signals of SARS-CoV-2 elimination and resurgence from limited data at multiple scales.** *J R Soc Interface* 2021; 18:20210569Parag KV, Cowling BJ, Donnelly CA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905965>
39. **On the interplay of regional mobility, social connectedness and the spread of COVID-19 in Germany.** *J R Stat Soc Ser A Stat Soc* 2021; Fritz C, Kauermann G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908652>
40. **A downscaling approach to compare COVID-19 count data from databases aggregated at different spatial scales.** *J R Stat Soc Ser A Stat Soc* 2021; Python A, Bender A, Blangiardo M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908651>
41. **Geographic spread of COVID-19 and local economies: Heterogeneous effects by establishment size and industry.** *J Reg Sci* 2021; Kim JS, Kim T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908585>
42. **Time series analysis and predicting COVID-19 affected patients by ARIMA model using machine learning.** *J. Virol. Methods* 2021; 301:114433Chyon FA, Suman MNH, Fahim MRI, Ahmmmed MS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919977>
43. **Treatment and outcome of COVID-19 patients in a specialized hospital during the third wave: advance of age and increased mortality compared with the first/second waves.** *JA Clin Rep* 2021; 7:85Oda Y, Shimada M, Shiraishi S, Kurai O. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905146>
44. **Optimal control of the SIR model with constrained policy, with an application to COVID-19.** *Math. Biosci.* 2021; 344:108758Ding Y, Schellhorn H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922976>
45. **Optimal control of the SIR model with constrained policy, with an application to COVID-19.** *Math. Biosci.* 2021;108758Schellhorn H, Ding Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922976>
46. **The impact of vaccination on the evolution of COVID-19 in Portugal.** *Math Biosci Eng.* 2022; 19:936-952Machado B, Antunes L, Caetano C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903020>
47. **Investigating the impact of vaccination and non-pharmaceutical measures in curbing COVID-19 spread: A South Africa perspective.** *Math Biosci Eng.* 2022; 19:1058-1077Olonijju SD, Otegbeye O, Ezugwu AE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903026>
48. **SIRVVD model-based verification of the effect of first and second doses of COVID-19/SARS-CoV-2 vaccination in Japan.** *Math Biosci Eng.* 2022; 19:1026-

1040Omae Y, Kakimoto Y, Sasaki M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903024>

49. **Models to assess imported cases on the rebound of COVID-19 and design a long-term border control strategy in Heilongjiang Province, China.** Math Biosci Eng_2022; 19:1-33Zhang X, Song Y, Tang S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902978>
50. **Mathematical modeling of the spread of the coronavirus under strict social restrictions.** Math Methods Appl Sci 2021; Al-Arydah M, Berhe H, Dib K, Madhu K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908636>
51. **R (0) estimation for COVID-19 pandemic through exponential fit.** Math Methods Appl Sci 2021; Mingliang Z, Simos TE, Tsitouras C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908637>
52. **Clinical and epidemiological characterization in the follow-up of newborns with COVID-19: a descriptive study.** Medwave_2021; 21:e8500Dávila-Aliaga C, Torres-Marcos E, Paucar-Zegarra R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910718>
53. **Testing Denmark: a Danish Nationwide Surveillance Study of COVID-19.** Microbiol Spectr 2021; 9:e0133021Fogh K, Strange JE, Scharff B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908473>
54. **Mathematical modeling of the outbreak of COVID-19.** Netw Model Anal Health Inform Bioinform_2022; 11:5Sinha AK, Namdev N, Shende P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909367>
55. **COVID-19 outbreaks in hospital workers during the first COVID-19 wave.** Occup. Med. (Lond.)_2021; Piapan L, De Michieli P, Ronchese F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919710>
56. **Aiming for Zero: Reducing Transmission of Coronavirus Disease 2019 in the D.C. Department of Corrections.** Open Forum Infect Dis 2021; 8:ofab547Epting ME, Pluznik JA, Levano SR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901301>
57. **COVID-19 Outcomes Among US Military Health System Beneficiaries Include Complications Across Multiple Organ Systems and Substantial Functional Impairment.** Open Forum Infect Dis 2021; 8:ofab556Richard SA, Pollett SD, Lanteri CA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909439>
58. **Lower mortality rate in health workers and their families infected with COVID-19 associated pneumonia in Quetta, Baluchistan.** Pak J Med Sci 2021; 37:1747-1752Aslam M, Zehri MT, Mandoklel H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912389>
59. **A network SIRX model for the spreading of COVID-19.** Physica A 2022; 590:126746Dimou A, Maragakis M, Argyrakis P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898823>
60. **First wave of SARS-CoV2 in Europe: Study and typology of the 15 worst affected European countries.** Popul Space Place 2021:e2534Tragaki A, Richard JL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899095>
61. **Not the great equalizers: Covid-19, 1918-20 influenza, and the need for a paradigm shift in pandemic preparedness.** Popul Stud (Camb)_2021; 75:179-199Mamelund SE, Dimka J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902275>
62. **Can auxiliary indicators improve COVID-19 forecasting and hotspot prediction?** Proc Natl Acad Sci U S A 2021; 118McDonald DJ, Bien J, Green A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903655>

63. **The US COVID-19 Trends and Impact Survey: Continuous real-time measurement of COVID-19 symptoms, risks, protective behaviors, testing, and vaccination.** [Proc Natl Acad Sci U S A](#) 2021; 118:Salomon JA, Reinhart A, Bilinski A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903656>
64. **COVID-19 incidence in border regions: spatiotemporal patterns and border control measures.** [Public Health](#) 2021; 202:80-83Chilla T, Große T, Hippe S, Walker BB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923347>
65. **COVID-19 incidence in border regions: spatiotemporal patterns and border control measures.** [Public Health](#) 2022; 202:80-83Chilla T, Große T, Hippe S, Walker BB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923347>
66. **Control and Prevention of the COVID-19 Epidemic in China: A Qualitative Community Case Study.** [Risk Manag. Healthc. Policy](#) 2021; 14:4907-4922Wu Y, Zhang Q, Li L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916861>
67. **An in-depth analysis of 10 epidemiological terminologies used in the context of COVID-19.** [Scand J Public Health](#) 2021;14034948211057736Doraiswamy S, Mamtani R, Cheema S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903120>
68. **Total patient load, regional disparities and in-hospital mortality of intubated COVID-19 patients in Greece, from September 2020 to May 2021.** [Scand J Public Health](#) 2021;14034948211059968Lytras T, Tsiodras S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903101>
69. **Commercial motorcycle operators pose high risk for community transmission of coronavirus disease 2019 (COVID-19) in South-South Nigeria.** [Sci Afr](#) 2022; 15:e01065Avwioro GO, Egwunyenga A, Iyiola S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901582>
70. **Investigating the association between mass transit adoption and COVID-19 infections in US metropolitan areas.** [Sci Total Environ](#) 2021; 811:152284Thomas MM, Mohammadi N, Taylor JE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902421>
71. **Modeling the number of people infected with SARS-CoV-2 from wastewater viral load in Northwest Spain.** [Sci Total Environ](#) 2021; 811:152334Vallejo JA, Trigo-Tasende N, Rumbo-Feal S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921882>
72. **SARS-CoV-2 genome quantification in wastewaters at regional and city scale allows precise monitoring of the whole outbreaks dynamics and variants spreading in the population.** [Sci Total Environ](#) 2021; 810:152213Wurtzer S, Waldman P, Levert M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896511>
73. **Spatial clustering behaviour of Covid-19 conditioned by the development level: Case study for the administrative units in Romania.** [Spat Stat](#) 2021;100558Cioban S, Mare C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909371>
74. **A flexible special case of the CSN for spatial modeling and prediction.** [Spat Stat](#) 2022; 47:100556Márquez-Urbina JU, González-Farías G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900560>
75. **Highly mutated SARS-CoV-2 Omicron variant sparks significant concern among global experts - What is known so far?** [Travel Med Infect Dis](#) 2021; 45:102234Poudel S, Ishak A, Perez-Fernandez J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896326>
76. **IMPACT OF VACCINATION ON THE COVID-19 PANDEMIC:BIBLIOMETRIC ANALYSIS AND CROSS COUNTRY FORECASTING BY FOURIER SERIES.**

Gastro-enterology (10 articles)

1. **Toward finding the difference between untreated celiac disease and COVID-19 infected patients in terms of CD4, CD25 (IL-2 Ra), FOXP3 and IL-6 expressions as genes affecting immune homeostasis.** BMC Gastroenterol. 2021; 21:462Asri N, Nazemalhosseini Mojarrad E, Mirjalali H et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34895167>
2. **Case Report: Clinical Features of a COVID-19 Patient With Cirrhosis.** Front Med (Lausanne) 2021; 8:678227Zhou J, Jiang D, Wang W et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901043>
3. **Clinical Course of COVID-19 in Patients with Inflammatory Bowel Disease in Korea: a KASID Multicenter Study.** J Korean Med Sci 2021; 36:e336Lee JW, Song EM, Jung SA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904410>
4. **Two consecutive attacks of diarrhea in 15 COVID-19 patients: An antibiotic-associated one following the viral one.** Rev Gastroenterol Mex (Engl Ed) 2021; Maslennikov R, Ivashkin V, Ufimtseva A, Poluektova E.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896030>
5. **Assessing the repercussions of COVID-19 pandemic on symptoms, disease management, and emotional well-being in patients with inflammatory bowel disease: a multi-site survey study.** Scand. J. Gastroenterol. 2021;1-9El-Dallal M, Saroufim A, Systrom H et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894999>
6. **INTESTINAL LESIONS OCCURRING IN PATIENTS WITH NON-ALCOHOLIC FATTY LIVER DISEASE AFTER SUFFERING THE COVID-19 INFECTION.** Wiad. Lek. 2021; 74:2560-2565Stehura AV, Sirchak YS.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923456>
7. **Did the severe acute respiratory syndrome-coronavirus 2 pandemic cause an endemic Clostridium difficile infection?** World J Clin Cases 2021; 9:10180-10188Cojocariu C, Girleanu I, Trifan A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904088>
8. **SARS-CoV-2 infection in liver transplant recipients: A complex relationship.** World J. Gastroenterol. 2021; 27:7734-7738Alberca RW, Benard G, Alberca GGF, Sato MN. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908810>
9. **COVID-19: Effect on gastroenterology and hepatology service provision and training: Lessons learnt and planning for the future.** World J. Gastroenterol. 2021; 27:7625-7648Anjum MR, Chalmers J, Hamid R, Rajoriya N.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908803>
10. **Impact of COVID-19 on liver disease: From the experimental to the clinic perspective.** World J Virol 2021; 10:301-311Gato S, Lucena-Valera A, Muñoz-Hernández R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909404>

Guidelines (3 articles)

1. **Implementing Lung Ultrasound in the Outpatient Management of COVID-19 Pneumonia: A Pilot Study to Update Local Guidelines.** Front Med (Lausanne) 2021; 8:774035Chevallier Lugon C, Kharat A, Soccal PM et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901090>

2. COVID-19 vaccine guidelines was numerous in quantity but many lack transparent reporting of methodological practices. *J. Clin. Epidemiol.* 2021; Wang Z, Liu H, Li Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920115>
3. Standardization of two SARS-CoV-2 serology assays to the WHO 20/136 human standard reference material. *J. Virol. Methods* 2022; 300:114430Freeman J, Conklin J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915088>

Imaging (24 articles)

1. Pulmonary cavitation in a patient with coronavirus disease 2019 during lenvatinib treatment for thyroid carcinoma: a case report. *Ann Palliat Med* 2021; Toda S, Matsui A, Yasukawa M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894706>
2. Fully automatic deep convolutional approaches for the analysis of COVID-19 using chest X-ray images. *Appl Soft Comput* 2022; 115:108190de Moura J, Novo J, Ortega M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899109>
3. Multi-COVID-Net: Multi-objective optimized network for COVID-19 diagnosis from chest X-ray images. *Appl Soft Comput* 2022; 115:108250Goel T, Murugan R, Mirjalili S, Chakrabarty DK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903956>
4. Automated COVID-19 detection from X-ray and CT images with stacked ensemble convolutional neural network. *Biocybern Biomed Eng* 2022; 42:27-41Gour M, Jain S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908638>
5. Imaging abnormalities in pediatric neuro-COVID are more diverse than specified. *Biomed J* 2021; Finsterer J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906744>
6. Double paths network with residual information distillation for improving lung CT image super resolution. *Biomed. Signal Process. Control* 2022; 73:103412Chen Y, Zheng Q, Chen J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899959>
7. Automatic detection of multiple types of pneumonia: Open dataset and a multi-scale attention network. *Biomed. Signal Process. Control* 2022; 73:103415Wong PK, Yan T, Wang H et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909050>
8. Comparison of lung image quality between CT Ark and Brilliance 64 CT during COVID-19. *BMC Med. Imaging* 2021; 21:192Dai G, Duan J, Zheng L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903187>
9. Image challenge: A diabetic man with facial swelling following recent Covid-19 infection. *Clin Infect Pract* 2022; 13:100129Chowdhury M, Takata J, Beegun I et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901830>
10. A deep and handcrafted features-based framework for diagnosis of COVID-19 from chest x-ray images. *Concurr Comput* 2021:e6725Bozkurt F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899079>
11. Lung detection and severity prediction of pneumonia patients based on COVID-19 DET-PRE network. *Expert Rev. Med. Devices* 2021:1-10Zhang J, Yan Y, Ni H, Ni Z. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894969>
12. Local binary pattern and deep learning feature extraction fusion for COVID-19 detection on computed tomography images. *Expert Syst* 2021; Mubarak AS, Serte S, Al-Turjman F et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898796>

- 13. DC-GAN-based synthetic X-ray images augmentation for increasing the performance of EfficientNet for COVID-19 detection.** Expert Syst 2021:e12823Shah PM, Ullah H, Ullah R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898799>
- 14. COVID-19 patient diagnosis and treatment data mining algorithm based on association rules.** Expert Syst 2021:e12814Shan Z, Miao W. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898798>
- 15. Cardiac Care of Non-COVID-19 Patients During the SARS-CoV-2 Pandemic: The Pivotal Role of CCTA.** Front Cardiovasc Med 2021; 8:775115Conte E, Mushtaq S, Mancini ME *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901235>
- 16. Implementing Lung Ultrasound in the Outpatient Management of COVID-19 Pneumonia: A Pilot Study to Update Local Guidelines.** Front Med (Lausanne) 2021; 8:774035Chevallier Lugon C, Kharat A, Soccal PM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901090>
- 17. Randomly initialized convolutional neural network for the recognition of COVID-19 using X-ray images.** Int J Imaging Syst Technol 2021; Ben Atitallah S, Driss M, Boulila W, Ben Ghézala H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898852>
- 18. The effect of deep feature concatenation in the classification problem: An approach on COVID-19 disease detection.** Int J Imaging Syst Technol 2021; Cengil E, Çınar A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898851>
- 19. COLI-Net: Deep learning-assisted fully automated COVID-19 lung and infection pneumonia lesion detection and segmentation from chest computed tomography images.** Int J Imaging Syst Technol 2021; Shiri I, Arabi H, Salimi Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898850>
- 20. Image and structured data analysis for prognostication of health outcomes in patients presenting to the ED during the COVID-19 pandemic.** Int. J. Med. Inform. 2021; 158:104662Butler L, Karabayır I, Samie Tootooni M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923448>
- 21. Relationship of chest computed tomography score with disease severity and laboratory values in children with COVID-19.** J. Paediatr. Child Health 2021; Çetin C, Karaaslan A, Akın Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902194>
- 22. Diagnostic performance of thorax CT in mildly symptomatic COVID-19 patients: The importance of atypical CT findings.** North Clin Istanbul 2021; 8:425-434Eroglu SE, Algin A, Bulut SSD *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909580>
- 23. SEVERITY OF LUNG DAMAGE ASSESSED BY CT-SCAN IN RELATION TO D-DIMER LEVEL IN COVID-19.** Wiad. Lek. 2021; 74:2400-2406Ridha Alnowfal MA, Almubarak N, Jeber MA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896994>
- 24. Evaluation of an asymptomatic COVID-19 patient post-surgery with chest radiography: A surgeon's dilemma.** World J Virol 2021; 10:326-328Govil G, Tomar L, Dhawan P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909406>

Immune response (56 articles)

- 1. Antibody screening at reduced pH enables preferential selection of potently neutralizing antibodies targeting SARS-CoV-2.** AIChE J. 2021; 67:e17440Madan B, Reddem ER, Wang P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898670>

2. **Relationship between Antibody Levels and SARS-CoV-2 Reinfection.** *Ann. Clin. Lab. Sci.* 2021; 51:750-755Islamoglu MS, Cengiz M, Uysal BB *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921027>
3. **Autoantibodies and SARS-CoV2 infection: The spectrum from association to clinical implication: Report of the 15th Dresden Symposium on Autoantibodies.** *Autoimmun Rev* 2021; 21:103012Damoiseaux J, Dotan A, Fritzler MJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896650>
4. **Immunogenicity of the BNT162b2 mRNA COVID-19 vaccine in older residents of a long-term care facility: relation with age, frailty and prior infection status.** *Biogerontology* 2021;1-12Seiffert P, Konka A, Kasperezyk J *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923608>
5. **Efficacy of mRNA, adenoviral vector, and perfusion protein COVID-19 vaccines.** *Biomed. Pharmacother.* 2021; 146:112527Zinatizadeh MR, Zarandi PK, Zinatizadeh M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906769>
6. **Novel nanostructure-coupled biosensor platform for one-step high-throughput quantification of serum neutralizing antibody after COVID-19 vaccination.** *Biosens. Bioelectron.* 2021; 199:113868Huang L, Li Y, Luo C *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34920226>
7. **IgG antibody titers against SARS-CoV-2 nucleocapsid protein correlate with the severity of COVID-19 patients.** *BMC Microbiol.* 2021; 21:351Yang L, Xu Q, Yang B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922455>
8. **Durable humoral responses after the second anti-SARS-CoV-2 vaccine dose in chronic myeloid leukaemia patients on tyrosine kinase inhibitors.** *Br. J. Haematol.* 2021; Claudianni S, Apperley JF, Parker EL *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923623>
9. **COVID-19 symptom duration predicts immunoglobulin G seropositivity.** *Bratisl. Lek. Listy* 2021; 122:861-865Stepanek L, Nakladalova M, Stepanek L *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904847>
10. **Cardiac involvement in Multisystem Inflammatory Syndrome in Children cases.** *Cardiol. Young* 2021;1-6Erol N, Sari E.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915942>
11. **Population impact of SARS-CoV-2 variants with enhanced transmissibility and/or partial immune escape.** *Cell* 2021; 184:6229-6242.e6218Bushman M, Kahn R, Taylor BP *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910927>
12. **Protection from SARS-CoV-2 Delta one year after mRNA-1273 vaccination in rhesus macaques coincides with anamnestic antibody response in the lung.** *Cell* 2021; Gagne M, Corbett KS, Flynn BJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921774>
13. **Protection from SARS-CoV-2 Delta one year after mRNA-1273 vaccination in rhesus macaques coincides with anamnestic antibody response in the lung.** *Cell* 2022; 185:113-130.e115Gagne M, Corbett KS, Flynn BJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921774>
14. **The antibody response to SARS-CoV-2 Beta underscores the antigenic distance to other variants.** *Cell Host Microbe* 2021; Liu C, Zhou D, Nutalai R *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921776>
15. **Comparisons of the immunological landscape of COVID-19 patients based on sex and disease severity by multi-omics analysis.** *Chem. Biol. Interact.* 2021; 352:109777Zhang T, Abdelrahman Z, Liu Q *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896122>

16. Comparisons of the immunological landscape of COVID-19 patients based on sex and disease severity by multi-omics analysis. *Chem. Biol. Interact.* 2022; 352:109777Zhang T, Abdelrahman Z, Liu Q *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896122>
17. Neutralizing antibody titers six months after Comirnaty vaccination: kinetics and comparison with SARS-CoV-2 immunoassays. *Clin Chem Lab Med* 2021; Padoan A, Cosma C, Bonfante F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911170>
18. Severe breakthrough COVID-19 with a heavily mutated variant in a multiple myeloma patient 10 weeks after vaccination. *Clin Infect Pract* 2022; 13:100130Stampfer SD, Goldwater MS, Bujarski S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909634>
19. In a search of a protective titer: Do we or do we not need to know? *Clin Transl Med* 2021; 11:e668Baranova A, Chandhoke V, Makarova AV, Veysman B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898055>
20. Delayed Immune Reconstitution Inflammatory Syndrome in an Immunosuppressed Patient With SARS-CoV-2. *Cureus* 2021; 13:e19481Garcia-Carretero R, Vazquez-Gomez O, Ordoñez-Garcia M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912622>
21. Duration of SARS-CoV-2 viremia and its correlation to mortality and inflammatory parameters in patients hospitalized for COVID-19: a cohort study. *Diagn. Microbiol. Infect. Dis.* 2021; 102:115595Hagman K, Hedenstierna M, Rudling J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896666>
22. Antibody affinity maturation and cross-variant activity following SARS-CoV-2 mRNA vaccination: Impact of prior exposure and sex. *EBioMedicine* 2021; 74:103748Tang J, Grubbs G, Lee Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902788>
23. Effectiveness of mRNA BNT162b2 Vaccine 6 Months after Vaccination among Patients in Large Health Maintenance Organization, Israel. *Emerg Infect Dis* 2021; 28Kertes J, Gez SB, Saciuk Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906291>
24. New insights into Covid-19 disease. Apo-A1 antibodies are generated after mRNA Covid-19 vaccination and after Covid-19 infection. *Eur. J. Clin. Invest.* 2021:e13729Twickler DTM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921724>
25. New insights into Covid-19 disease. Apo-A1 antibodies are generated after mRNA Covid-19 vaccination and after Covid-19 infection. *Eur. J. Clin. Invest.* 2022; 52:e13729Twickler DTM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921724>
26. The immunology and immunotherapy for COVID-19. *Expert Rev. Mol. Med.* 2021; 23:e24Liu Y, Zhou X, Liu X, Jiang X. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915958>
27. Editorial: Host Innate Immune Response and Its Impact on Pulmonary Pathogenesis During Influenza Virus Infection. *Front Cell Infect Microbiol* 2021; 11:779411Tan YJ, Huber VC, Hottz ED. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900758>
28. Robust Antibody Levels in Both Diabetic and Non-Diabetic Individuals After BNT162b2 mRNA COVID-19 Vaccination. *Front. Immunol.* 2021; 12:752233Ali H, Alterki A, Sindhu S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899701>

- 29. Anti-SARS-CoV-2 Spike Protein RBD Antibody Levels After Receiving a Second Dose of ChAdOx1 nCov-19 (AZD1222) Vaccine in Healthcare Workers: Lack of Association With Age, Sex, Obesity, and Adverse Reactions.** *Front. Immunol.* 2021; 12:779212Lee SW, Moon JY, Lee SK *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899739>
- 30. m(6)A Regulator-Mediated Methylation Modification Patterns and Characteristics of Immunity in Blood Leukocytes of COVID-19 Patients.** *Front. Immunol.* 2021; 12:774776Qiu X, Hua X, Li Q *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917088>
- 31. Sequential Analysis of Binding and Neutralizing Antibody in COVID-19 Convalescent Patients at 14 Months After SARS-CoV-2 Infection.** *Front. Immunol.* 2021; 12:793953Rosati M, Terpos E, Ntanasis-Stathopoulos I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899762>
- 32. Rapid Progression of Angioimmunoblastic T Cell Lymphoma Following BNT162b2 mRNA Vaccine Booster Shot: A Case Report.** *Front Med (Lausanne)* 2021; 8:798095Goldman S, Bron D, Tousseyn T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901098>
- 33. Inflammation at the crossroads of Helicobacter pylori and COVID-19.** *Future Microbiol.* 2022; 17:77-80Gonzalez I, Lindner C, Schneider I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915742>
- 34. SARS-CoV-2 vaccine response in CAR T-cell therapy recipients: A systematic review and preliminary observations.** *Hematol. Oncol.* 2021; Abid MA, Abid MB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911142>
- 35. The second wave of COVID-19 results in outbreak of mucormycosis: diabetes and immunological perspective.** *Horm. Mol. Biol. Clin. Investig.* 2021; Ahirwar AK, Kaim K, Ahirwar P, Kumawat R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908254>
- 36. Heterologous prime-boost vaccination against COVID-19: is it safe and reliable?** *Hum Vaccin Immunother* 2021;1-4Choudhary OP, Priyanka, Ahmed JQ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898381>
- 37. Comparison of Covid-19 antibody status after vaccination between residents in long-term geriatric care and residents assisted-living facilities.** *Infect Dis (Lond)* 2021;1-5Naschitz JE, Kertes J, Pinto G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918582>
- 38. Effectiveness of Coronavirus Vaccines against Syndrome Coronavirus 2 (SARS-CoV-2) and Its New Variants.** *Iran. J. Allergy Asthma Immunol.* 2021; 20:647-671Abdi Ghavidel A, Rojhannezhad M, Kazemi B, Bandehpour M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920649>
- 39. Omicron SARS-CoV-2 variant: Unique features and their impact on pre-existing antibodies.** *J Autoimmun* 2022; 126:102779Kannan SR, Spratt AN, Sharma K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915422>
- 40. Dynamic changes of IgM and IgG antibodies in asymptomatic patients as an effective way to detect SARS-CoV-2 infection.** *J. Clin. Lab. Anal.* 2021:e24080Li P, Shen G, Zhu Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914135>
- 41. Time course of antibody concentrations against the spike protein of SARS-CoV-2 among healthy hospital workers up to 200 days after their first COVID-19 vaccination.** *J. Clin. Lab. Anal.* 2021:e24175Mueller T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910338>

42. **Antibody response to SARS-CoV-2 for more than one year - kinetics and persistence of detection are predominantly determined by avidity progression and test design.** *J Clin Virol* 2021; 146:105052Scheiblauer H, Nübling CM, Wolf T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920374>
43. **Antibody response to SARS-CoV-2 for more than one year - kinetics and persistence of detection are predominantly determined by avidity progression and test design.** *J Clin Virol* 2022; 146:105052Scheiblauer H, Nübling CM, Wolf T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920374>
44. **Factors Affecting Seroreversion by 6 months among Healthcare Workers in Connecticut.** *J Hosp Infect* 2021; Althoff A, Papasavas P, Olugbile S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896408>
45. **SARS-CoV-2 antibody and T cell responses one year after COVID-19 and the booster effect of vaccination: A prospective cohort study.** *J Infect* 2021; Mak WA, Koeleman JGM, van der Vliet M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896516>
46. **Attenuated anti-SARS-CoV-2 antibody response to vaccination in patients with rheumatic diseases.** *J Infect* 2021; Manolache NG, Ursachi V, Scohy A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920024>
47. **Antibody responses to COVID-19 vaccines in older adults.** *J Med Virol* 2021; Bag Soytas R, Cengiz M, Islamoglu MS et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921432>
48. **Sequential dynamics of virological and serological changes in the serum of SARS-CoV-2 infected patients.** *J Med Virol* 2021; Ouoba S, Okimoto M, Nagashima S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897741>
49. **Immunologic markers, vasculitis-associated autoantibodies, and complement levels in patients with COVID-19.** *J. Res. Med. Sci.* 2021; 26:103Mobini M, Ghasemian R, Vahedi Larijani L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899941>
50. **Longitudinal SARS-CoV-2 Seroconversion Course and Antibody Levels by Blood Groups in Convalescent Plasma Donors in Turkey.** *Medeni Med J* 2021; 36:185-192Karaca A, Guncikan MN, Sozmen NN et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915675>
51. **Humoral immune response to COVID-19 vaccines in people with secondary progressive multiple sclerosis treated with siponimod.** *Mult Scler Relat Disord* 2021; 57:103435Krbot Skorić M, Rogić D, Lapić I et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920248>
52. **mRNA intramuscular vaccination produces a robust IgG antibody response in advanced neuromuscular disease.** *Neuromuscul. Disord.* 2021; Demonbreun AR, Velez MP, Saber R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920929>
53. **Weakly-supervised lesion analysis with a CNN-based framework for COVID-19.** *Phys. Med. Biol.* 2021; 66Wu K, Jelfs B, Ma X et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905733>
54. **Current attitude to deferral of cellular therapy or non-transplant chemotherapy due to SARS-CoV-2 asymptomatic infection: survey of Infectious Diseases Working Party EBMT.** *Transpl Infect Dis* 2021; Styczynski J, Cesaro S, von Lilienfeld-Toal M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918856>
55. **Correlation of Anti-SARS-CoV-2 S1-specific IgG antibody levels and adverse events following vaccination with BNT162b2 mRNA COVID-19 vaccine in**

healthcare workers. Vaccine 2021; Izak M, Stoyanov E, Dezuraev K, Shinar E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903375>

56. **Correlation of Anti-SARS-CoV-2 S1-specific IgG antibody levels and adverse events following vaccination with BNT162b2 mRNA COVID-19 vaccine in healthcare workers.** Vaccine 2022; 40:428-431Izak M, Stoyanov E, Dezuraev K, Shinar E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903375>

Management miscellaneous diseases (61 articles)

1. **Rural opioid treatment program patient perspectives on take-home methadone policy changes during COVID-19: a qualitative thematic analysis.** Addict. Sci. Clin. Pract. 2021; 16:72Levander XA, Hoffman KA, McIlveen JW et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895346>
2. **Challenges in the management of paediatric surgical patients in the midst of COVID-19 crisis: Our experience.** Afr. J. Paediatr. Surg. 2022; 19:40-45Chanchlani R, Ahmad R, Jangid MK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916351>
3. **Current status of diagnosis and treatment of advanced non-small cell lung cancer in China during the COVID-19 pandemic.** Ann Palliat Med 2021; Liu M, Zhao W, Li S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894701>
4. **History of COVID-19 Was Not Associated with Length of Stay or In-Hospital Complications After Elective Lower Extremity Joint Replacement.** Arthroplast Today 2021; Jungwirth-Weinberger A, Boettner F, Kapadia M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909457>
5. **COVID-19 and geriatric medicine in Australia and New Zealand.** Australas. J. Ageing 2021; Ischia L, Naganathan V, Waite LM et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904362>
6. **Tuberculosis forecasting and temporal trends by sex and age in a high endemic city in northeastern Brazil: where were we before the Covid-19 pandemic?** BMC Infect. Dis. 2021; 21:1260de Andrade HLP, Gomes D, Ramos ACV et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922496>
7. **CTN 328: immunogenicity outcomes in people living with HIV in Canada following vaccination for COVID-19 (HIV-COV): protocol for an observational cohort study.** BMJ Open 2021; 11:e054208Costiniuk CT, Singer J, Langlois MA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916326>
8. **Lockdown and non-COVID-19 deaths: cause-specific mortality during the first wave of the 2020 pandemic in Norway: a population-based register study.** BMJ Open 2021; 11:e050525Raknes G, Strøm MS, Sulo G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907049>
9. **Risk stratification of individuals undergoing surgery after COVID 19 recovery. Response to Br J Anaesth.** Br J Anaesth 2021; Baumber R, Panagoda P, Cremin J, Flynn P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922734>
10. **Impact of COVID-19 and containment measures on burn care: A qualitative exploratory study.** Burns 2021; Keshri VR, Peden M, Jain T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903406>
11. **Impact of COVID-19 on global burn care.** Burns 2021; Laura P, José A, Nikki A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903416>
12. **Cancer case trends following the onset of the COVID-19 pandemic: A community-based observational study with extended follow-up.** Cancer 2021;

Drescher CW, Bograd AJ, Chang SC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919267>

13. **Decline in Pneumococcal Disease in Young Children during the COVID-19 Pandemic in Israel Associated with Suppression of seasonal Respiratory Viruses, despite Persistent Pneumococcal Carriage: A Prospective Cohort Study.** *Clin Infect Dis* 2021; Danino D, Ben-Shimol S, Van Der Beek BA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904635>
14. **The Impact of COVID-19 on Missed Ophthalmology Clinic Visits.** *Clin. Ophthalmol.* 2021; 15:4645-4657 Brant AR, Pershing S, Hess O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916776>
15. **Effect of social isolation on oral health status - A systematic review.** *Community Dent. Health* 2021; Lages FS, Douglas-de-Oliveira DW. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902231>
16. **Dental public health in action: The covid-19 restrictions on dentistry in England and their impact on access to dental care for high-risk patient groups in the North-East and North Cumbria.** *Community Dent. Health* 2021; O'Donnell R, Vernazza C, Landes D, Freeman Z. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898060>
17. **Effect of Lockdown and Unlock Following COVID-19 on the Presentation of Patients With Endophthalmitis at a Tertiary Eye Center Over One Year.** *Cureus* 2021; 13:e19469 Das AV, Dave VP. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912611>
18. **Epidemiology of Paediatric Orthopaedic Trauma, Before, During, and After the Outbreak of COVID-19 Pandemic: An Observational Study From a Tertiary Referral Center in Wales.** *Cureus* 2021; 13:e19253 Gokhale S, D'sa P, Badurudeen AA, Carpenter EC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900454>
19. **The Impact of COVID-19 on the Diagnosis and Treatment of Lung Cancer at a Canadian Academic Center: A Retrospective Chart Review.** *Curr. Oncol.* 2021; 28:4247-4255 Kasymjanova G, Anwar A, Cohen V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898542>
20. **Impact of COVID-19 on Radiation Oncology, an Austrian Experience.** *Curr. Oncol.* 2021; 28:4776-4785 Mangesius J, Arnold CR, Seppi T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898552>
21. **Strategies to Mitigate the Impact of COVID 19 Pandemic on Organ Donation and Kidney Transplantation in Latin America.** *Curr Urol Rep* 2021; 22:59 Millán DAC, Fajardo-Cediel W, Tobar-Roa V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913144>
22. **Contact skin radiotherapy (brachytherapy) for the treatment of non-melanoma skin cancers during COVID-19 pandemic.** *Dermatol Ther* 2021:e15276 Lancellotta V, D'Aviero A, Fionda B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923731>
23. **Overdose deaths and the COVID-19 pandemic in British Columbia, Canada.** *Drug Alcohol Rev* 2021; Palis H, Béclair MA, Hu K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908203>
24. **Did the COVID-19 pandemic impact help-seeking behavior for seizure management? A Google Trends™ study.** *Epilepsy Behav.* 2022; 126:108489 Syed MJ, Khan S, Kataria M, Zutshi D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920346>
25. **Impact of COVID-19 and suspension of colorectal cancer screening on incidence and stage distribution of colorectal cancers in the Netherlands.** *Eur.*

- J. Cancer 2022; 161:38-43Toes-Zoutendijk E, Vink G, Nagtegaal ID *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915408>
- 26. Antimicrobial consumption in patients with COVID-19: a systematic review and meta-analysis.** Expert Rev. Anti Infect. Ther. 2021;1-24Khan S, Hasan SS, Bond SE *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895002>
- 27. Parental burnout during the COVID-19 pandemic.** Fam. Process 2021;
Skjerdingstad N, Johnson MS, Johnson SU *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908167>
- 28. Suspension of Care for Patients With Spasticity During COVID-19 Pandemic: Ethical and Medico-Legal Point of View Starting From an Italian Study.** Front Med (Lausanne) 2021; 8:754456De Donno A, Acella A, Angrisani C *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917632>
- 29. "We will have to learn to live with it": Australian dentists' experiences during the COVID-19 pandemic.** Infect Dis Health 2021; Nahidi S, Li C, Sotomayor-Castillo C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916176>
- 30. Trends of Healthcare-associated Infections in a Tunisian University Hospital and Impact of COVID-19 Pandemic.** Inquiry 2021; 58:469580211067930Ghali H, Ben Cheikh A, Bhiri S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910605>
- 31. The COVID-19 pandemic and the health of people who use illicit opioids in New York City, the first 12 months.** Int. J. Drug Policy 2021; 101:103554Bennett AS, Townsend T, Elliott L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911010>
- 32. Experiences with take-home dosing in heroin-assisted treatment in Switzerland during the COVID-19 pandemic-Is an update of legal restrictions warranted?** Int. J. Drug Policy 2021; 101:103548Meyer M, Strasser J, Köck P *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34920218>
- 33. Mal/adaptations: A qualitative evidence synthesis of opioid agonist therapy during major disruptions.** Int. J. Drug Policy 2021; 101:103556Salamanca-Buentello F, Cheng DK, Sabioni P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902805>
- 34. Clinical impact of SARS-CoV-2 infection among patients with vulvar cancer: the Gemelli Vul.Can multidisciplinary team.** Int. J. Gynecol. Cancer 2021;
Federico A, Fragomeni SM, Tagliaferri L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903559>
- 35. Alterations of fecal antibiotic resistome in COVID-19 patients after empirical antibiotic exposure.** Int J Hyg Environ Health 2021; 240:113882Kang Y, Chen S, Chen Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915282>
- 36. Resuming elective surgery after COVID-19: A simulation modelling framework for guiding the phased opening of operating rooms.** Int. J. Med. Inform. 2021;
158:104665Abdullah HR, Lam SSW, Ang BY *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923449>
- 37. Pharmacists and opioid use disorder care during COVID-19: Call for action.** J Am Coll Clin Pharm 2021; Mohammad I, Berri D, Tutag Lehr V.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909605>
- 38. Evaluation of cancer patient satisfaction during COVID-19 pandemic: A survey conducted at a tertiary care center in India.** J. Cancer Res. Ther. 2021; 17:1540-1546Prakash U, Venkatesan K, Sudesh D *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34916392>
- 39. QUALITY APPRAISAL OF CLINICAL PRACTICE GUIDELINES ON PROVISION OF DENTAL SERVICES DURING THE FIRST MONTHS OF THE COVID-19**

- PANDEMIC.** *J. Evid. Based Dent. Pract.* 2021; 21:101633Deana NF, Zaror C, Seiffert A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922731>
40. **COVID-19 pandemic: a reminder to develop forensic radiology facility.** *J Infect Dev Ctries* 2021; 15:1593-1596Kanchan T, Saraf A, Krishan K et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898483>
41. **The potential counter effect of COVID-19 outbreak on an antimicrobial agents prescribing educational intervention.** *J Infect Dev Ctries* 2021; 15:1653-1660Yasein N, Shroukh W, Barghouti F et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898493>
42. **Impact of Covid-19 on Tuberculosis Prevention and Treatment in Canada: a multicentre analysis of 10,833 patients.** *J Infect Dis* 2021; Geric C, Saroufim M, Landsman D et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919700>
43. **The experience of cancer patients during the COVID-19 pandemic.** *J. Oncol. Pharm. Pract.* 2021:10781552211066891Dalby M, Ailawadi N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904465>
44. **Pediatric chronic pain in the midst of the COVID-19 pandemic: Lived experiences of youth and parents.** *J. Pain* 2021; Neville A, Lund T, Soltani S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915200>
45. **Respiratory Syncytial Virus Infections in Young Children Presenting to Primary Care in Catalonia During the COVID-19 Pandemic.** *J Pediatric Infect Dis Soc* 2021; Coma E, Vila J, Méndez-Boo L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922377>
46. **Decrease of infectious complications in outpatients with autoimmune diseases from 2019 to 2020 under the COVID-19 pandemic: A single-centre, retrospective cohort study in Japan.** *Mod. Rheumatol.* 2021; Oka Y, Kodera T, Takeshita M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918128>
47. **How has the COVID-19 pandemic affected gastrointestinal surgery for malignancies and surgical infections?** *Nagoya J. Med. Sci.* 2021; 83:715-725Ishibashi Y, Tsujimoto H, Sugasawa H et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916716>
48. **Cervical Fracture During COVID-19 Pandemic Era: A Case Series.** *Open Access Emerg. Med.* 2021; 13:535-542Utomo P, Prijosedjati RA, Malik RH. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908883>
49. **Adherence to Urgent Eye Visits during the COVID-19 Pandemic: A Population Characteristics Study.** *Ophthalmic Epidemiol.* 2021;1-8Scanzera AC, Thermozier S, Chang AY et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895007>
50. **Centralized Otolaryngology Research Efforts: Stepping-stones to Innovation and Equity in Otolaryngology-Head and Neck Surgery.** *Otolaryngol Head Neck Surg.* 2021;1945998211065465Brenner MJ, Nelson RF, Valdez TA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905423>
51. **Impact of COVID-19 lockdown on Retinal Surgeries.** *Pak J Med Sci* 2021; 37:1808-1812Awan MA, Shaheen F, Mohsin F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912399>
52. **The impact of COVID-19 on the psychiatric emergency departments of two Italian hospitals in Milan.** *Psychiatry Res* 2022; 307:114303Cafaro R, Piccoli E, Ferrara L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896844>
53. **Coping with fibromyalgia during the COVID-19 pandemic: adjustment and wellbeing.** *Psychol. Health* 2021;1-16Bacon AM, White L, Norman A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903135>

54. **Impact of COVID-19 pandemic and lockdowns on the consumption of anxiolytics, hypnotics and antidepressants according to age groups: a French nationwide study.** *Psychol. Med.* 2021;1-7Levaillant M, Wathelet M, Lamer A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904556>
55. **Fewer head and neck cancer diagnoses and faster treatment initiation during COVID-19 in 2020: A nationwide population-based analysis.** *Radiother Oncol* 2021; 167:42-48Schoonbeek RC, de Jel DVC, van Dijk BAC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915063>
56. **The 2018-2020 Ebola Outbreak in the Democratic Republic of Congo: A Better Response Had Been Achieved Through Inter-State Coordination in Africa.** *Risk Manag. Healthc. Policy* 2021; 14:4923-4930Guetiya Wadoum RE, Sevalie S, Minutolo A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916862>
57. **Impacts of COVID-19 on sexual behaviour in Britain: findings from a large, quasi-representative survey (Natsal-COVID).** *Sex. Transm. Infect.* 2021; Mercer CH, Clifton S, Riddell J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916335>
58. **Fear, changes in routine and dental care for children and adolescents with autism spectrum disorder in the COVID-19 pandemic: A survey with Brazilian parents.** *Spec. Care Dentist.* 2021; Azevedo Machado B, Silva Moro J, Massignam C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897755>
59. **Resource and infrastructure challenges on the RESIST-2 Trial: an implementation study of drug resistance genotype-based algorithmic ART switches in HIV-2-infected adults in Senegal.** *Trials* 2021; 22:931Raugi DN, Diallo K, Diallo MB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922614>
60. **Challenges of cancer immunotherapy and chemotherapy during the COVID-19 pandemic.** *Tumori* 2021;3008916211063939Fathi M, Vakili K, Jazi K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918602>
61. **Effects of COVID-19 in lymphoid malignancies.** *World J Virol* 2021; 10:329-331Özdemir Ö. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909407>

Management (56 articles)

- The Probable Protective Effect of Photobiomodulation on the Inflammation of the Airway and Lung in COVID-19 Treatment: A Preclinical and Clinical Meta-Analysis.** *Adv. Exp. Med. Biol.* 2021; Raji H, Arjmand B, Rahim F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907516>
- A Qualitative Study of the Role of Palliative Care During the COVID-19 Pandemic: Perceptions and Experiences Among Critical Care Clinicians, Hospital Leaders, and Spiritual Care Providers.** *Am. J. Hosp. Palliat. Care* 2021;10499091211055900Vesel T, Ernst E, Vesel L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894783>
- Contact Tracing as a Measure to Combat COVID-19 and Other Infectious Diseases** **Highlights.** *Am. J. Infect. Control* 2021; Du M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896199>
- The role of nasal immunoglobulins in the recovery of olfactory function in COVID-19 patients.** *Am. J. Otolaryngol.* 2021;103301Vaira LA, Lechien JR, Salzano G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895763>
- An efficiency-based interval type-2 fuzzy multi-criteria group decision making for makeshift hospital selection.** *Appl. Soft Comput.* 2022; 115:108243Chen ZH, Wan SP, Dong JY. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899106>

6. **Extracorporeal membrane oxygenation outcomes in COVID-19 patients: Case series from the Brazilian COVID-19 Registry.** *Artif. Organs* 2021; Ponce D, de Carvalho RLR, Pires MC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913492>
7. **Mental health and well-being of Aboriginal and Torres Strait Islander peoples in Australia during COVID-19.** *Aust J Soc Issues* 2021; 56:485-502Dudgeon P, Alexi J, Derry K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898755>
8. **Increasing oxygen prescribing during the COVID-19 pandemic.** *BMJ Open Qual* 2021; 10Sahota R, Kamieniarz L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903524>
9. **The experience of caregivers of chronically ill patients during the COVID-19: A Systematic Review.** *Chronic Illn* 2021;17423953211064854Ruksakulpiwat S, Zhou W, Phianhasin L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898282>
10. **Implanting jejunostomy tube as conservative management of tracheoesophageal fistula in a COVID-19 patient.** *Clin Case Rep* 2021; 9:e05151Negaresh M, Hoseininia S, Samadi Takaldani AH *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917369>
11. **Dilemma of Anticoagulation Therapy in Mild or Asymptomatic COVID-19 Cases.** *Cureus* 2021; 13:e19291Patel A, Ajayi F, Ali R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900472>
12. **Hyperbaric oxygen as an adjuvant treatment for patients with COVID-19 severe hypoxaemia: a randomised controlled trial.** *Emerg Med J* 2021; Cannellotto M, Duarte M, Keller G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907003>
13. **Impact of vaccination and non-pharmaceutical interventions on SARS-CoV-2 dynamics in Switzerland.** *Epidemics* 2021; 38:100535Shattock AJ, Le Rutte EA, Dünnér RP *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923396>
14. **Mitigation of insufficient hospital workforce and personal protective equipment in the anti-COVID-19 campaign in mainland China.** *Expert Rev. Anti Infect. Ther.* 2021;1-2Huo Q, Chen Z, Ren X *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895011>
15. **Corrigendum: Elena+ Care for COVID-19, a Pandemic Lifestyle Care Intervention: Intervention Design and Study Protocol.** *Front Public Health* 2021; 9:809278Ollier J, Neff S, Dworschak C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900930>
16. **Role of advanced respiratory support in acute respiratory failure in clinically frail patients with COVID-19.** *Future Microbiol.* 2021; Nadeem I, Jordon L, Rasool MU *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915735>
17. **Role of advanced respiratory support in acute respiratory failure in clinically frail patients with COVID-19.** *Future Microbiol.* 2022; 17:89-97Nadeem I, Jordon L, Rasool MU *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915735>
18. **An auto-ethnographic reflection on the nature of nursing in the UK during the Covid-19 pandemic.** *Health (London)* 2021;13634593211064122Allan HT. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894800>
19. **A health promotion approach to emergency management: effective community engagement strategies from five cases.** *Health Promot. Int.* 2021; 36:i24-i38Corbin JH, Oyene UE, Manoncourt E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897448>
20. **Helmet NIV in Acute Hypoxic Respiratory Failure due to COVID-19: Change in PaO₂/FiO₂ Ratio a Predictor of Success.** *Indian J. Crit. Care Med.* 2021;

25:1137-1146Jha OK, Kumar S, Mehra S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34916746>

21. **Direct Medical Cost Analysis of Indian COVID-19 Patients Requiring Critical Care Admission.** *Indian J. Crit. Care Med.* 2021; 25:1120-1125Reddy KN, Shah J, Iyer S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916743>
22. **Effect of Meditation and Breathing Exercises on the Well-being of Patients with SARS-CoV-2 Infection under Institutional Isolation: A Randomized Control Trial.** *Indian J. Palliat. Care* 2021; 27:490-494Mahendru K, Pandit A, Singh V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898943>
23. **Nurse practitioners' perception of temporary full practice authority during a COVID-19 surge: A qualitative study.** *Int. J. Nurs. Stud.* 2021; 126:104141O'Reilly-Jacob M, Perloff J, Sherafat-Kazemzadeh R, Flanagan J.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923317>
24. **Critical care nurses' experiences of working during the first phase of the COVID-19 pandemic - Applying the Person-centred Practice Framework.** *Intensive Crit Care Nurs* 2021:103179Andersson M, Nordin A, Engström Å.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34895797>
25. **The effectiveness of motivational messages to intensive care unit nurses during the COVID-19 pandemic.** *Intensive Crit Care Nurs* 2021:103161Köse S, Gezginci E, Göktaş S, Murat M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895798>
26. **Cardiovascular nurses' experiences of working in the COVID-19 intensive care unit: A qualitative study.** *Intensive Crit Care Nurs* 2021:103181Ozdemir Koken Z, Savas H, Gul S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895975>
27. **Lived Experiences of Nurses in the Care of Patients with COVID-19: A Study of Hermeneutic Phenomenology.** *Iran. J. Nurs. Midwifery Res.* 2021; 26:537-543Moghaddam-Tabrizi F, Sodeify R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900654>
28. **ECMO in COVID-19 Patients: A Systematic Review and Meta-analysis.** *J Cardiothorac Vasc Anesth* 2021; Bertini P, Guerracino F, Falcone M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906383>
29. **A complication of ECMO cannula placement resulting in hemodynamic and oxygenation alterations: A case report.** *J. Clin. Anesth.* 2021; 77:110623Navarrete SB, Hermon AR, Kostibas MP.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896694>
30. **Effect of deep breathing exercise with Triflo on dyspnoea, anxiety and quality of life in patients receiving covid-19 treatment: A randomized controlled trial.** *J. Clin. Nurs.* 2021; Öner Cengiz H, Ayhan M, Güner R.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34897869>
31. **Clinical and organizational framework of repurposing pediatric intensive care unit to adult critical care in a resource-limited setting: Lessons from the response of an urban general hospital to the COVID-19 pandemic.** *J Crit Care* 2021; 68:59-65Díaz F, Kehr J, Cores C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922313>
32. **Aspirin as an Adjunctive Pharmacologic Therapy Option for COVID-19: Anti-Inflammatory, Antithrombotic, and Antiviral Effects All in One Agent.** *J. Exp. Pharmacol.* 2021; 13:957-970Tantry US, Schror K, Navarese EP *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908882>

- 33. Impact of the COVID-19 pandemic on a tertiary care public hospital in Singapore: Resources and economic costs.** *J Hosp Infect* 2021; 121:1-8Cai Y, Kwek S, Tang SS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902499>
- 34. Impact of the COVID-19 pandemic on a tertiary care public hospital in Singapore: resources and economic costs.** *J Hosp Infect* 2021; 121:1-8Cai Y, Kwek S, Tang SSL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902499>
- 35. Obstacles faced by healthcare providers during COVID-19 pandemic in Sudan.** *J Infect Dev Ctries* 2021; 15:1615-1617El-Sadig SM, Mohamed NS, Ahmed ES *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898487>
- 36. Comparing hospital-resource utilization by an enhanced pneumonia surveillance programme for COVID-19 with pre-pandemic pneumonia admissions - a Singaporean hospital's experience.** *J. Med. Microbiol.* 2021; 70Huang W, Chai GT, Thong BY *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898420>
- 37. The use of respirators and its impact on the COVID-19 pandemic in Europe between 1 June and 14 October 2020.** *J. Prev. Med. Hyg.* 2021; 62:E625-e627Burman J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909489>
- 38. Estimating local outbreak risks and the effects of non-pharmaceutical interventions in age-structured populations: SARS-CoV-2 as a case study.** *J. Theor. Biol.* 2021; 535:110983Lovell-Read FA, Shen S, Thompson RN. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915042>
- 39. Estimating local outbreak risks and the effects of non-pharmaceutical interventions in age-structured populations: SARS-CoV-2 as a case study.** *J. Theor. Biol.* 2022; 535:110983Lovell-Read FA, Shen S, Thompson RN. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915042>
- 40. Relation of vitamin D to COVID-19.** *J. Virol. Methods* 2021; 301:114418Saxena P, Nigam K, Mukherjee S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919979>
- 41. Effects of hypertonic alkaline nasal irrigation on COVID-19.** *Laryngoscope Investig Otolaryngol* 2021; 6:1240-1247Yilmaz YZ, Yilmaz BB, Ozdemir YE *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909468>
- 42. Preparedness for Managing Pandemic using Distributed Mobile Brokers - Using COVID 19 Use case.** *Mater Today Proc* 2021; Preethi Janani S, JohnRaja Jebadurai I, Jeba Leelipushpam Paulraj G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900607>
- 43. Recommendations for the management of critically ill patients with COVID-19 in Intensive Care Units.** *Med Intensiva (Engl Ed)* 2021; Vidal-Cortés P, Díaz Santos E, Aguilar Alonso E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903475>
- 44. Nutritional Status Associated with Clinical Outcomes among Patients Hospitalized with COVID-19: A Multicenter Prospective Study in Egypt.** *Nurs Health Sci* 2021; Youssef N, Elbadry M, Al Shafie A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918872>
- 45. Nutrient modulation of viral infection-implications for COVID-19.** *Nutr. Res. Pract.* 2021; 15:S1-s21Kim HK, Park CY, Han SN. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909129>
- 46. Service change and innovation in community end-of-life care during the COVID-19 pandemic: Qualitative analysis of a nationwide primary care survey.** *Palliat. Med.* 2021;2692163211049311Mitchell S, Harrison M, Oliver P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915759>

47. **Capturing what matters: A retrospective observational study of advance care planning documentation at an academic medical center during the COVID-19 pandemic.** *Palliat. Med.* 2021;2692163211065928Sun F, Lipinsky DeGette R, Cummings EC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920691>
48. **Targeting the NLRP3 inflammasome in cardiovascular diseases.** *Pharmacol. Ther.* 2021; 236:108053Toldo S, Mezzaroma E, Buckley LF *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906598>
49. **Strengthening the primary health care response to COVID-19: an operational tool for policymakers.** *Prim. Health Care Res. Dev.* 2021; 22:e81Johansen AS, Shriwise A, Lopez-Acuna D, Vracko P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911588>
50. **Large-scale genomic study reveals robust activation of the immune system following advanced Inner Engineering meditation retreat.** *Proc Natl Acad Sci U S A* 2021; 118Chandran V, Bermúdez ML, Koka M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907015>
51. **Palliative care consultation and end-of-life outcomes in hospitalized COVID-19 patients.** *Resuscitation* 2021; 170:230-237Cheruku SR, Barina A, Kershaw CD *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920014>
52. **Global control of COVID-19: good vaccines may not suffice.** *Rev. Panam. Salud Pública* 2021; 45:e148Eslava-Schmalbach J, Rosero EB, Garzón-Orjuela N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908811>
53. **[Care pathway for Covid-19 patients in a hospital in Luxembourg].** *Soins* 2021; 66:12-17Mennel F, Fernandes C, Duraes M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895565>
54. **A Topic Modeling Analysis of the Crisis Response Stage for COVID-19 Pandemic.** *Stud. Health Technol. Inform.* 2021; 284:41-43Cha KS, Kim EM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920465>
55. **Controlling the Burden of COVID-19 by Manipulating Host Metabolism.** *Viral Immunol* 2021; Miller L, Berber E, Sumbria D, Rouse BT. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905407>
56. **COVID-19 AND PRIMARY CARE: POSSIBILITIES FOR INCREASING POSITIVE OUTCOMES.** *Wiad. Lek.* 2021; 74:2659-2662Kurakh AV, Hechko MM, Chopey IV. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923476>

Mental – public health (178 articles)

- 1. Psychological well-being and worries among pregnant women in the first trimester during the early phase of the COVID-19 pandemic in Denmark compared with a historical group: A hospital-based cross-sectional study.** *Acta Obstet Gynecol Scand* 2021; Broberg L, Rom AL, de Wolff MG *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904223>
- 2. With age comes well-being: older age associated with lower stress, negative affect, and depression throughout the COVID-19 pandemic.** *Aging Ment. Health* 2021;1-9Fields EC, Kensinger EA, Garcia SM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915781>
- 3. Impact of COVID-19 on Mental Health of Palliative Care Professionals and Services: A Mixed-Methods Survey Study.** *Am. J. Hosp. Palliat. Care* 2021;10499091211057043Chan WCH, Woo RKW, Kwok DK *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904449>

- 4. COVID-19 lockdowns' effects on the quality of life, perceived health and well-being of healthy elderly individuals: A longitudinal comparison of pre-lockdown and lockdown states of well-being.** *Arch. Gerontol. Geriatr.* 2021; 99:104606Colucci E, Nadeau S, Higgins J *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896795>
- 5. Effect of Synaid on cognitive functions and mood in elderly subjects with self-perceived loss of memory after COVID-19 infection.** *Arch. Med. Sci.* 2021; 17:1797-1799Bove M, Fogacci F, Quattrocchi S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900061>
- 6. A multidisciplinary, cross-sectional survey of burnout and wellbeing in emergency department staff during COVID-19.** *Australas Emerg Care* 2021; Dixon E, Murphy M, Wynne R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906441>
- 7. Risk factors for prospective increase in psychological stress during COVID-19 lockdown in a representative sample of adolescents and their parents - ERRATUM.** *BJPsych Open* 2021; 8:e13Paschke K, Arnaud N, Austermann MI, Thomasius R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915953>
- 8. Pre-medical students' perceptions of educational environment and their subjective happiness: a comparative study before and after the COVID-19 pandemic.** *BMC Med. Educ.* 2021; 21:619Lin Y, Kang YJ, Lee HJ, Kim DH.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34911514>
- 9. Exploring COVID-19 patients' experiences of psychological distress during the disease course: a qualitative study.** *BMC Psychiatry* 2021; 21:625Toulabi T, Pour FJ, Veiskramian A, Heydari H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895184>
- 10. Impact of the COVID-19 pandemic on the mental health and wellbeing of parents with young children: a qualitative interview study.** *BMC Psychol* 2021; 9:194Dawes J, May T, McKinlay A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911570>
- 11. Risk perception and psychological state of healthcare workers in referral hospitals during the early phase of the COVID-19 pandemic, Uganda.** *BMC Psychol* 2021; 9:195Migisha R, Ario AR, Kwesiga B *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34920763>
- 12. Psychological experience of patients with confirmed COVID-19 at the initial stage of pandemic in Wuhan, China: a qualitative study.** *BMC Public Health* 2021; 21:2257Li T, Hu Y, Xia L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895189>
- 13. Intimate partner violence during COVID-19 lockdown in Norway: the increase of police reports.** *BMC Public Health* 2021; 21:2292Nesset MB, Gudde CB, Mentzoni GE, Palmstierna T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915874>
- 14. A three-layer system to win the war against COVID-19 and invest in health systems of the future.** *BMJ Glob Health* 2021; 6Zhao F, Bali S, Kovacevic R, Weintraub J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920990>
- 15. Prevalence, classification, risk factors and outcome impact of delirium in patients with COVID-19: a meta-analysis protocol for systematic review.** *BMJ Open* 2021; 11:e048323Lou B, Guo J, Liu Y *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903533>
- 16. Sleep and daytime problems during the COVID-19 pandemic and effects of coronavirus infection, confinement and financial suffering: a multinational**

survey using a harmonised questionnaire. BMJ Open 2021; 11:e050672Partinen M, Holzinger B, Morin CM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903540>

17. **Lockdown and non-COVID-19 deaths: cause-specific mortality during the first wave of the 2020 pandemic in Norway: a population-based register study.** BMJ Open 2021; 11:e050525Raknes G, Strøm MS, Sulo G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907049>
18. **Depression and anxiety symptoms and perceived stress in health professionals in the context of COVID-19: Do adverse childhood experiences have a modulating effect?** Brain Behav 2021:e2452Fernández-Arana A, Olórtegui-Yzú A, Vega-Dienstmaier JM, Cuesta MJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910383>
19. **The impact of coronavirus disease 2019 on emotional and behavioral stress of informal family caregivers of individuals with stroke or traumatic brain injury at chronic phase living in a Mediterranean setting.** Brain Behav 2021:e2440Garcia-Rudolph A, Sauri J, Garcia-Molina A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910375>
20. **Position Statement for Mental Health Care in Long-Term Care During COVID-19.** Can Geriatr J 2021; 24:367-372Checkland C, Benjamin S, Bruneau MA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912491>
21. **A profile analysis of COVID-19 stress-related reactions: The importance of early childhood abuse, psychopathology, and interpersonal relationships.** Child Abuse Negl. 2021:105442Gewirtz-Meydan A, Lassri D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920898>
22. **Child Abuse and Neglect and the Burden of the COVID-19 Pandemic on Families: A Series of Cases Consulted at the German Medical Child Protection Hotline.** Child Abuse Rev 2021; 30:485-492Heimann T, Berthold O, Clemens V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898860>
23. **The upside: coping and psychological resilience in Australian adolescents during the COVID-19 pandemic.** Child Adolesc Psychiatry Ment Health 2021; 15:77Beames JR, Li SH, Newby JM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922575>
24. **'We are unlikely to return to the same world, and I do not want it to destroy my future.' Young people's worries through the outbreak of the COVID-19 pandemic.** Child Fam Soc Work 2021; Bjørknes R, Sandal GM, Mæland S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899030>
25. **Parenthood in the shadow of COVID-19: The contribution of gender, personal resources and anxiety to first time parents' perceptions of the infant.** Child Fam Soc Work 2021; Chasson M, Ben-Yaakov O, Taubman-Ben-Ari O. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899028>
26. **Child Maltreatment Prevention Service Cases are Significantly Reduced During the COVID-19 Pandemic: A Longitudinal Investigation Into Unintended Consequences of Quarantine.** Child Maltreat 2021:10775595211051318Whaling KM, Der Sarkissian A, Larez N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908497>
27. **Gamification and family leisure to alleviate the psychological impact of confinement due to COVID-19.** Child Soc 2021; Manzano-León A, Rodríguez-Ferrer JM, Aguilar-Parra JM, Herranz-Hernández R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898857>

28. **'The Pandemic Affected My Life in a Negative Way': The Experiences of Estonian Children in Child Protective Services During the Coronavirus Disease 2019 Pandemic.** [Child Soc](#) 2021; Toros K.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898856>
29. **Sleep Characteristics in Italian Children During Home Confinement Due to Covid-19 Outbreak.** [Clin Neuropsychiatry](#) 2021; 18:13-27Bacaro V, Chiabudini M, Buonanno C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909017>
30. **Psychological Distress Among Healthcare Professionals Involved in the Covid-19 Emergency: Vulnerability and Resilience Factors.** [Clin Neuropsychiatry](#) 2020; 17:94-96Conversano C, Marchi L, Miniati M.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908976>
31. **Quality of Life of Health Care Professionals in Pandemic Times.** [Clin Neuropsychiatry](#) 2021; 18:113-118de Paula JJ, Costa DS, de Oliveira Serpa AL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909028>
32. **Psychological Resources Against the Traumatic Experience of Covid-19.** [Clin Neuropsychiatry](#) 2020; 17:85-87Di Giuseppe M, Gemignani A, Conversano C.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908974>
33. **Online Gaming and Prolonged Self-Isolation: Evidence from Italian Gamers During the Covid-19 Outbreak.** [Clin Neuropsychiatry](#) 2021; 18:65-74Giardina A, Di Blasi M, Schimmenti A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909021>
34. **Psychological Aid for Frontline Healthcare Workers.** [Clin Neuropsychiatry](#) 2020; 17:253-254Gloster AT, Zacharia M, Karekla M.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909000>
35. **On the Distinction Between Fear and Anxiety in a (Post)Pandemic World: A Commentary on.** [Clin Neuropsychiatry](#) 2020; 17:189-191Heeren A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908991>
36. **Lockdown and Isolation: Psychological Aspects of Covid-19 Pandemic in the General Population.** [Clin Neuropsychiatry](#) 2020; 17:63-64Mucci F, Mucci N, Diolaiuti F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908969>
37. **Children and the Covid-19 Transition: Psychological Reflections and Suggestions on Adapting to the Emergency.** [Clin Neuropsychiatry](#) 2020; 17:131-134Muratori P, Ciacchini R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908983>
38. **Psychological Intervention Measures During the Covid-19 Pandemic.** [Clin Neuropsychiatry](#) 2020; 17:76-79Orrù G, Ciacchini R, Gemignani A, Conversano C.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908972>
39. **The Psychological Impact of Sars-Cov-2 Quarantine: Observations Through the Lens of the Polyvagal Theory.** [Clin Neuropsychiatry](#) 2020; 17:112-114Poli A, Gemignani A, Conversano C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908980>
40. **Stress and Coping in the Time of Covid-19: Pathways to Resilience and Recovery.** [Clin Neuropsychiatry](#) 2020; 17:59-62Polizzi C, Lynn SJ, Perry A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908968>
41. **Risk for Pathological Contamination Fears at Coronavirus Time: Proposal of Early Intervention and Prevention Strategies.** [Clin Neuropsychiatry](#) 2020; 17:100-102Pozza A, Mucci F, Marazziti D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908978>
42. **The Dynamics of Fear at the Time of Covid-19: A Contextual Behavioral Science Perspective.** [Clin Neuropsychiatry](#) 2020; 17:65-71Presti G, McHugh L, Gloster A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908970>

- 43. The Self and its World: A Neuro-Ecological and Temporo-Spatial Account of Existential Fear.** Clin Neuropsychiatry 2020; 17:46-58Scalabrini A, Mucci C, Angeletti LL, Northoff G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908967>
- 44. The Four Horsemen of Fear: An Integrated Model of Understanding Fear Experiences During the Covid-19 Pandemic.** Clin Neuropsychiatry 2020; 17:41-45Schimmenti A, Billieux J, Starcevic V. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908966>
- 45. A Model of Multifaceted Fear During the Covid-19 Pandemic and Balancing Between Overemphasising and Neglecting the Distinction Between Fear and Anxiety: A Reply to.** Clin Neuropsychiatry 2020; 17:255-259Starcevic V, Schimmenti A, Billieux J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909001>
- 46. Covid-19, Fear and the Future: An Attachment Perspective.** Clin Neuropsychiatry 2020; 17:97-99Steele H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908977>
- 47. Fear of Covid-19: Insights from Evolutionary Behavioral Science.** Clin Neuropsychiatry 2020; 17:72-75Troisi A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908971>
- 48. Fear, Affective Semiosis, and Management of the Pandemic Crisis: Covid-19 as Semiotic Vaccine?** Clin Neuropsychiatry 2020; 17:117-130Venuleo C, Gelo OCG, Salvatore S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908982>
- 49. W.A.R.A. (Wiring Affect with Reattach) Provided by Remote Training: First-Aid Psychological Intervention?** Clin Neuropsychiatry 2020; 17:115-116Weerkamp-Bartholomeus P, Marazziti D, van Amelsvoort T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908981>
- 50. Supervision Model of Mental Health Telecare Volunteers During the Covid-19 Pandemic.** Clin Neuropsychiatry 2020; 17:361-364Yacelga Ponce T, Zúñiga E, Paz C, Hidalgo-Andrade P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909014>
- 51. COVID-19 lockdowns and incidence of psychoactive substance exposure according to age and sex.** Clin. Toxicol. (Phila.) 2021;1-6Spinelli A, Willemans T, Roustit M, Stanke-Labesque F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904494>
- 52. A Brief Transdiagnostic Pandemic Mental Health Maintenance Intervention.** Couns. Psychol. Q. 2021; 34:331-351Arnold T, Rogers B, Norris A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898858>
- 53. Compliance Toward Protective Precautions During and After the Lockdown Among Citizens of Riyadh.** Cureus 2021; 13:e20320Alassaf W, AlQahtani S, Binladen T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912655>
- 54. Physician Suicide in the Era of the COVID-19 Pandemic.** Cureus 2021; 13:e19313Laboe CW, Jain A, Bodicherla KP, Pathak M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900487>
- 55. The role of extraversion and neuroticism for experiencing stress during the third wave of the COVID-19 pandemic.** Curr. Psychol. 2021;1-11Bellingtier JA, Mund M, Wrzus C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903948>
- 56. Pre-pandemic psychological and behavioral predictors of responses to the COVID-19 pandemic in nine countries.** Dev. Psychopathol. 2021;1-16Lansford JE, Skinner AT, Godwin J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895387>
- 57. Disordered eating across COVID-19 in LGBTQ+ young adults.** Eat Behav 2021; 44:101581Hart EA, Rubin A, Kline KM, Fox KR. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896869>

58. **Network analysis of COVID-19-related PTSD symptoms in China: the similarities and differences between the general population and PTSD sub-population.** *Eur J Psychotraumatol* 2021; 12:1997181Yang F, Fu M, Huang N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900121>
59. **Scientific evidence on mental health in key regions under the COVID-19 pandemic - meta-analytical evidence from Africa, Asia, China, Eastern Europe, Latin America, South Asia, Southeast Asia, and Spain.** *Eur J Psychotraumatol* 2021; 12:2001192Zhang SX, Chen J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900123>
60. **Impact of COVID-19 on nursing students' mental health: a systematic review and meta-analysis.** *Evid. Based Nurs.* 2022; 25:8-9Barrett D, Twycross A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907093>
61. **Comparison of hospitalizations and deaths from COVID-19 2021 versus 2020 in Italy: surprises and implications.** *F1000Res* 2021; 10:964Donzelli A, Alessandria M, Orlando L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909193>
62. **Parental burnout during the COVID-19 pandemic.** *Fam. Process* 2021; Skjerdingstad N, Johnson MS, Johnson SU *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908167>
63. **COVID-19 pandemic stresses and relationships in college students.** *Fam Relat* 2021; Gallegos MI, Zaring-Hinkle B, Bray JH. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898780>
64. **Management of COVID-19 Pandemic Data in India: Challenges Faced and Lessons Learnt.** *Front Big Data* 2021; 4:790158Kaur J, Kaur J, Dhama AS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917935>
65. **The Power of Music to Prevent and Control Emerging Infectious Diseases.** *Front Med (Lausanne)* 2021; 8:756152Benavides JA, Caparrós C, da Silva RM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901067>
66. **A Survey of Psychiatric Healthcare Workers' Perception of Working Environment and Possibility to Recover Before and After the First Wave of COVID-19 in Sweden.** *Front Psychiatry* 2021; 12:770955Alexiou E, Steingrimsson S, Akerstrom M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912253>
67. **Patterns of Suicide in the Context of COVID-19: Evidence From Three Australian States.** *Front Psychiatry* 2021; 12:797601Clapperton A, Spittal MJ, Dwyer J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916981>
68. **Suppression May Improve Adaptation to Worry When Facing Uncertainty: Studying COVID-19 Pandemic.** *Front Psychiatry* 2021; 12:778375Khatibi A, Sharpe L, Dehghani M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899432>
69. **Mental Health of Parents and Preschool-Aged Children During the COVID-19 Pandemic: The Mediating Role of Harsh Parenting and Child Sleep Disturbances.** *Front Psychiatry* 2021; 12:746330Wang P, Sun X, Li W *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912251>
70. **Addressing the Interactive Effects of Maltreatment and COVID-19 Related Stressors on the Neuropsychological Functioning in Children.** *Front. Psychol.* 2021; 12:764768Fares-Otero NE, Trautmann S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899509>
71. **Early and Later Perceptions and Reactions to the COVID-19 Pandemic in Germany: On Predictors of Behavioral Responses and Guideline Adherence During the Restrictions.** *Front. Psychol.* 2021; 12:769206Lermer E, Hudecek MFC, Gaube S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899517>

- 72. COVID-19, Economic Impact, Mental Health, and Coping Behaviors: A Conceptual Framework and Future Research Directions.** Front. Psychol. 2021; 12:759974Lu X, Lin Z. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899503>
- 73. University Students' Basic Psychological Needs, Motivation, and Vitality Before and During COVID-19: A Self-Determination Theory Approach.** Front. Psychol. 2021; 12:775804Müller FH, Thomas AE, Carmignola M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899527>
- 74. Remote Psychotherapy During the COVID-19 Pandemic. Experiences With the Transition and the Therapeutic Relationship. A Longitudinal Mixed-Methods Study.** Front. Psychol. 2021; 12:743430Stefan R, Mantl G, Höfner C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899484>
- 75. Adapting to Uncertainty: A Mixed-Method Study on the Effects of the COVID-19 Pandemic on Expectant and Postpartum Women and Men.** Front. Psychol. 2021; 12:688340Tavares IM, Fernandes J, Moura CV *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899456>
- 76. Stress and Burnout in Teachers During Times of Pandemic.** Front. Psychol. 2021; 12:756007Vargas Rubilar N, Oros LB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899498>
- 77. Burnout, Anxiety, Stress, and Depression Among Iranian Nurses: Before and During the First Wave of the COVID-19 Pandemic.** Front. Psychol. 2021; 12:789737Zakeri MA, Rahiminezhad E, Salehi F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899542>
- 78. How Did the COVID-19 Lockdown Affect Children and Adolescent's Well-Being: Spanish Parents, Children, and Adolescents Respond.** Front Public Health 2021; 9:746052Ajanovic S, Garrido-Aguirre J, Baro B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900898>
- 79. Investigation of a COVID-19 Outbreak and Its Successful Containment in a Long Term Care Facility in Qatar.** Front Public Health 2021; 9:779410Al Hamad H, Malkawi MMM, Al Ajmi J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900920>
- 80. Exploring the Psychological Stress, Anxiety Factors, and Coping Mechanisms of Critical Care Unit Nurses During the COVID-19 Outbreak in Saudi Arabia.** Front Public Health 2021; 9:767517Ali SAA, Diab S, Elmahallawy EK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900913>
- 81. Monitoring Strategies and Intervention Policies for the Enhancement and Protection of Advanced Neuroscientific Research Post COVID-19 in Italy: Preliminary Evidence.** Front Public Health 2021; 9:748223Balconi M, Bove M, Bossola M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900899>
- 82. COVID-19 Contact Tracing Outcomes in Washington State, August and October 2020.** Front Public Health 2021; 9:782296Bonacci RA, Manahan LM, Miller JS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900921>
- 83. Posttraumatic Stress Symptoms Among Chinese College Students During the COVID-19 Pandemic: A Longitudinal Study.** Front Public Health 2021; 9:759379Chi X, Huang L, Hall DL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900908>
- 84. COVID-19-Related Mental Health Burdens: Impact of Educational Level and Relationship Status Among Low-Income Earners of Western Uganda.** Front Public Health 2021; 9:739270Lemuel AM, Usman IM, Kasozi KI *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900896>

- 85. Identifying the Subtypes and Characteristics of Mental Workload Among Chinese Physicians in Outpatient Practice: A Latent Profile Analysis.** [Front Public Health](#) 2021; 9:779262Li D, Hu Y, Chen H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900919>
- 86. Work-Related Mental Health Under COVID-19 Restrictions: A Mini Literature Review.** [Front Public Health](#) 2021; 9:788370Liu W, Xu Y, Ma D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900925>
- 87. COVID-19 Timeline of Vietnam: Important Milestones Through Four Waves of the Pandemic and Lesson Learned.** [Front Public Health](#) 2021; 9:709067Minh LHN, Khoi Quan N, Le TN *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900885>
- 88. Monthly Trends in Access to Care and Mental Health Services by Household Income Level During the COVID-19 Pandemic, United States, April: December 2020.** [Health Equity](#) 2021; 5:770-779Lee H, Singh GK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909547>
- 89. Effect of the COVID-19 outbreak and lockdown on mental health among post-secondary students in the Grand Est region of France: results of the PIMS-CoV19 study.** [Health Qual Life Outcomes](#) 2021; 19:265Baumann C, Rousseau H, Tarquinio C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911529>
- 90. Distanced behind the mask: The use of non-verbal communication when counsellng the elderly during the COVID-19 pandemic.** [Health SA](#) 2021; 26:1665Ann Jarvis M, Smith L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909231>
- 91. Rapid discovery of optimal messages for behavioral intervention: the case of Hungary and Covid-19.** [Heliyon](#) 2021; 7:e08535Gabay G, Gere A, Fehér O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917812>
- 92. Anxiety and depression among healthcare workers during COVID-19 pandemic: A cross-sectional study.** [Heliyon](#) 2021; 7:e08570Motahedi S, Aghdam NF, Khajeh M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901484>
- 93. Rapid establishment of a dedicated COVID-19 hospital in Mexico city during a public health crisis.** [Hosp Pract \(1995\)](#) 2021;1-5Tapia-Conyer R, Valdez-Vázquez RR, Lomelín-Gascón J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894978>
- 94. COVID-19 lockdown: Online survey of psychosocial factors of adolescents.** [Ind Psychiatry J](#) 2021; 30:S45-s51Akhouri D, Madiha M, Ahmed J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908664>
- 95. COVID-19 pandemic, mental health care, and the UK.** [Ind Psychiatry J](#) 2021; 30:S5-s9Bhugra D, Molodynki A, Gnanapragasam SN. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908656>
- 96. Psychological aspect of common people during lockdown.** [Ind Psychiatry J](#) 2021; 30:S52-s55Chaklader B, Srivastava K, Rathod H, Banerjee A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908665>
- 97. Stigma associated with COVID-19.** [Ind Psychiatry J](#) 2021; 30:S270-s272Davis S, Samudra M, Dhamija S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908707>
- 98. Impact of COVID-19 pandemic on mental health of health-care workers in a tertiary care teaching and dedicated COVID-19 hospital.** [Ind Psychiatry J](#) 2021; 30:S56-s62Gupta N, Luthra A, Shailaja B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908666>
- 99. Depression, anxiety, stress, and sleep disturbances in doctors and general population during COVID-19 pandemic.** [Ind Psychiatry J](#) 2021; 30:S20-

s24Javadekar A, Javadekar S, Chaudhury S, Saldanha D.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908659>

100. **Effect of COVID-19 and sociocultural milieu on the psychopathology of mental health disorders: A hospital-based study.** *Ind Psychiatry J* 2021; 30:S29-s34Maggu G, Jaishy R, Srivastava M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908661>
101. **COVID-19 moral dilemmas viewed through Eastern and Western philosophy.** *Ind Psychiatry J* 2021; 30:S273-s276Maggu G, Sharma S, Jaishy R, Jangid S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908708>
102. **Burnout and resilience in doctors in clinical and preclinical departments in a tertiary care teaching and dedicated COVID-19 hospital.** *Ind Psychiatry J* 2021; 30:S69-s74Pooja V, Khan A, Patil J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908668>
103. **Efficacy of psychological intervention in patients with post-COVID-19 anxiety.** *Ind Psychiatry J* 2021; 30:S41-s44Priyamvada R, Ranjan R, Chaudhury S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908663>
104. **Counseling patients with COVID-19: An experience at dedicated COVID-19 hospital.** *Ind Psychiatry J* 2021; 30:S285-s287Santre M, Panse S, Wadgaonkar G, Haritha S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908711>
105. **Analysis of change in knowledge, attitude, and practices about COVID-19 following and awareness session in rural population of Western India.** *Ind Psychiatry J* 2021; 30:S35-s40Shah SN, Shah D, Desai N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908662>
106. **Impact of COVID-19 pandemic on persons with psychiatric disorders.** *Ind Psychiatry J* 2021; 30:S288-s290Sowmya AV, Javadekar A, Menon P, Saldanha D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908712>
107. **Impact of COVID-19 on obsessive-compulsive disorder: A case series.** *Ind Psychiatry J* 2021; 30:S237-s239Sowmya AV, Singh P, Samudra M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908698>
108. **Perceptions of COVID-19-related Risks and Deaths Among Health Care Professionals During COVID-19 Pandemic in Pakistan: A Cross-sectional Study.** *Inquiry* 2021; 58:469580211067475Hakim M, Afaq S, Khattak FA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919472>
109. **Perceived Control, Preventative Health Behaviors, and the Mental Health of Nursing Students During the COVID-19 Pandemic: A Cross-Sectional Study.** *Inquiry* 2021; 58:469580211060279Kondo A, Abuliezi R, Naruse K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915745>
110. **Mental State of Students During the Pandemic and Affecting Factors: A Cross-Sectional Study.** *Inquiry* 2021; 58:469580211056389Nehir S, Gungor Tavsanli N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911386>
111. **International psychological research addressing the early phase of the COVID-19 pandemic: A rapid scoping review and implications for global psychology.** *Int. J. Psychol.* 2021; Obschonka M, Cai Q, Chan ACY *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904220>
112. **Emotional support received moderates academic stress and mental well-being in a sample of Afghan university students amid COVID-19.** *Int J Soc Psychiatry* 2021;207640211057729Green ZA, Faizi F, Jalal R, Zadran Z. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903066>

- 113. Psychiatric Adverse Drug Reactions and Potential Anti-COVID-19 Drug Interactions with Psychotropic Medications.** *Iran J Pharm Res* 2021; 20:66-77Ghasemiyyeh P, Mortazavi N, Karimzadeh I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903970>
- 114. COVID-19 Isolation and Contact Tracing with Country Samples: A Systematic Review.** *Iran J. Public Health* 2021; 50:1547-1554Koçak C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917525>
- 115. Prevalence and determinants of probable depression and anxiety during the COVID-19 pandemic in seven countries: Longitudinal evidence from the European COvid Survey (ECOS).** *J. Affect. Disord.* 2021; 299:517-524Hajek A, Sabat I, Neumann-Böhme S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920039>
- 116. Risk factors of psychological distress during the COVID-19 pandemic: The roles of coping style and emotional regulation.** *J. Affect. Disord.* 2021; 299:326-334Li N, Fan L, Wang Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920036>
- 117. Mental health problems in Indonesian internship doctors during the COVID-19 pandemic.** *J Affect Disord Rep* 2021; 6:100283Lugito NPH, Kurniawan A, Lorens JO, Sieto NL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901916>
- 118. Anxiety and depression among US college students engaging in undergraduate research during the COVID-19 pandemic.** *J. Am. Coll. Health* 2021;1-11Grineski SE, Morales DX, Collins TW *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905697>
- 119. Comparison of anxiety and depression rates among LGBTQ college students before and during the COVID-19 pandemic.** *J. Am. Coll. Health* 2021;1-9Parchem B, Wheeler A, Talaski A, Molock SD. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919495>
- 120. Examining the impact of the COVID-19 pandemic through the lens of the network approach to psychopathology: Analysis of the Brazilian Longitudinal Study of Health (ELSA-Brasil) cohort over a 12-year timespan.** *J. Anxiety Disord.* 2021; 85:102512Suen PJC, Bacchi PS, Razza L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911001>
- 121. What are the experiences of clinical psychologists working with people with intellectual disabilities during the COVID-19 pandemic?** *J Appl Res Intellect Disabil* 2021; Chemerynska N, Marczak M, Kucharska J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913546>
- 122. The Ecology of Youth Psychological Wellbeing in the COVID-19 Pandemic.** *J Appl Res Mem Cogn* 2021; 10:564-576Salmon K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900521>
- 123. A Psycholgical Intervention Delivered by Automated Mobile Phone Messaging Stabilized Hip and Knee Function During the COVID-19 Pandemic: A Randomized Controlled Trial.** *J. Arthroplasty* 2021; Anthony CA, Rojas E, Glass N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906660>
- 124. Impact of COVID-19 on Youth With ADHD: Predictors and Moderators of Response to Pandemic Restrictions on Daily Life.** *J Atten Disord* 2021;10870547211063641Rosenthal E, Franklin-Gillette S, Jung HJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920689>
- 125. The potential of psychological connectedness: Mitigating the impacts of COVID-19 through sense of community and community resilience.** *J.*

Community Psychol. 2021; Mannarini T, Rizzo M, Brodsky A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34913170>

126. **The effect of COVID-19 epidemic on the mental health of nurses' family members.** J Educ Health Promot 2021; 10:368Banitalebi S, Mohammadi K, Marjanian Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912904>
127. **Mental health of the people of northern Iran during the quarantine time of 2020 following the coronavirus epidemic.** J Educ Health Promot 2021; 10:401Mojarad FA, Gorji MAH, Salehinya H, Yaghoubi T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912937>
128. **The Impact of the COVID-19 Pandemic on Mental Health, Occupational Functioning, and Professional Retention Among Health Care Workers and First Responders.** J Gen Intern Med 2021;1-12Hendrickson RC, Slevin RA, Hoerster KD *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918181>
129. **Extended SEIR Model for Health Policies Assessment Against the COVID-19 Pandemic: the Case of Argentina.** J Healthc Inform Res 2021;1-21Inthamoussou FA, Valenciaga F, Núñez S, Garelli F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901733>
130. **Experiences of first-line nurse managers during COVID-19: A Jordanian qualitative study.** J. Nurs. Manag. 2021; Abu Mansour SI, Abu Shosha GM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897860>
131. **Mental Health Outcomes Among Parents of Children With a Chronic Disease During the COVID-19 Pandemic: The Role of Parental Burn-Out.** J. Pediatr. Psychol. 2021; Wauters A, Vervoort T, Dhondt K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915562>
132. **SARS-CoV-2 (COVID-19) and the Teaching of Ignaz Semmelweis and Florence Nightingale: a Lesson of Public Health from History, after the "Introduction of Handwashing" (1847).** J. Prev. Med. Hyg. 2021; 62:E621-e624Martini M, Lippi D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909488>
133. **Risk Factors for Postpartum Depression During COVID-19 Pandemic: A Systematic Literature Review.** J. Prim. Care Community Health 2021; 12:21501327211059348Usmani S, Greca E, Javed S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894838>
134. **Psychological impact on healthcare workers in obstetrics and gynecology in France in 18 French University Hospitals during the first Covid-19 lockdown: a prospective observational study.** J. Psychosom. Obstet. Gynaecol. 2021;1-8Chene G, Nohuz E, Cerruto E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915826>
135. **Mental health at the COVID-19 frontline: An assessment of distress, fear, and coping among staff and attendees at screening clinics of rural/regional settings of Victoria, Australia.** J Rural Health 2021; Rahman MA, Ford D, Sousa G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897806>
136. **Influence of the COVID-19 Lockdown on the Physical and Psychosocial Well-being and Work Productivity of Remote Workers: Cross-sectional Correlational Study.** JMIRx Med 2021; 2:e30708Tronco Hernández YA, Parente F, Faghy MA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898665>
137. **A fractional-order model of coronavirus disease 2019 (COVID-19) with governmental action and individual reaction.** Math Methods Appl Sci 2021; Danane J, Hammouch Z, Allali K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908634>

138. **Community foundations provide collaborative responses and local leadership in midst of COVID-19.** Nonprofit Manag. Leadersh. 2021; Azevedo L, Bell A, Medina P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908813>
139. **Outbreak anxiety scale: Development, validity, and reliability.** North Clin Istanb 2021; 8:443-453Yazici E, Kose E, Turan C, Yazici AB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909582>
140. **Level of resilience in nurses working at COVID-19 referral centers in Iran.** Nurs. Forum 2021; Parizad N, Soheili A, Powers K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911141>
141. **Role of resilience in healthcare workers' distress and somatization during the COVID-19 pandemic: A cross-sectional study across Flanders, Belgium.** Nurs Open 2021; Franck E, Goossens E, Haegdorens F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918478>
142. **The association of perceived sociability and social intelligence with loneliness in online learning among nursing students.** Nurse Educ. Today 2021; 109:105226Savci C, Cil Akinci A, Keles F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896849>
143. **Psychometric Properties and Factor Structure of the German Version of the Fear of COVID-19 Scale.** Omega (Westport) 2021:302228211062360Fatfouta R, Rogoza R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898309>
144. **[Working in the provision of psychosocial care to children, adolescents and families during the Covid-19 pandemic-results of a qualitative interview-study in Vienna and Lower Austria].** OZS Osterr Z Soziol 2021:1-22Jesser A, Mädge AL, Maier C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898958>
145. **Capturing what matters: A retrospective observational study of advance care planning documentation at an academic medical center during the COVID-19 pandemic.** Palliat. Med. 2021:2692163211065928Sun F, Lipinsky DeGette R, Cummings EC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920691>
146. **Psychological responses of Tunisian general population during COVID-19 pandemic.** Pan Afr. Med. J. 2021; 40:74Bouattour W, Turki M, Ellouze S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909069>
147. **Perception of mental health and professional quality of life in Tunisian doctors during the COVID-19 pandemic: a descriptive cross-sectional study.** Pan Afr. Med. J. 2021; 40:139Youssfi I, Mechergui N, Merchaoui I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909107>
148. **Understanding changes to children's connection to nature during the COVID-19 pandemic and implications for child well-being.** People Nat (Hoboken) 2021; Friedman S, Imrie S, Fink E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909606>
149. **Movement behaviors and mental health of caregivers of preschoolers in China during the COVID-19 pandemic.** Prev. Med. 2021; 155:106913Feng J, Huang WY, Lau PWC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922994>
150. **COVID-19 symptomatology and compliance with community mitigation strategies in Latin America early during the COVID-19 pandemic.** Prev Med Rep 2022; 25:101665Herrera-Añazco P, Urrunaga-Pastor D, Benites-Zapata VA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909370>
151. **Mental Health and Quality of Life for Healthcare Workers in a University Hospital Under COVID-19.** Psychiatry Investig 2021; Choi HJ, Yang CM, Lee SY *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915610>

152. **The psychopathological impact of the SARS-CoV-2 epidemic on subjects suffering from different mental disorders: An observational retrospective study.** *Psychiatry Res* 2022; 307:114334 Caldiroli A, Capuzzi E, Tringali A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902818>
153. **Associations between psychiatric morbidity and COVID-19 vaccine hesitancy: An analysis of electronic health records and patient survey.** *Psychiatry Res* 2022; 307:114329 Eyllon M, Dang AP, Barnes JB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910966>
154. **Neural and Self-report Measures of Sensitivity to Uncertainty as Predictors of COVID-Related Negative Affect.** *Psychiatry Res Neuroimaging* 2022; 319:111414 Khorrami KJ, Manzler CA, Kreutzer KA, Gorka SM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902781>
155. **Mindfulness May Buffer Psychological Distress in Adolescents during the COVID-19 Pandemic: The Differential Role of Mindfulness Facets.** *Psychol Belg.* 2021; 61:356-376 Kock M, Kuppens P, Van der Gucht K, Raes F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900325>
156. **How young people experienced COVID-19 disease containment measures in the Western Cape, South Africa: A qualitative study including the perspectives of young people, their parents, teachers and school counsellors.** *Psychol Psychother.* 2021; Coetzee BJ, Gericke H, Human S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904360>
157. **Impact of COVID-19 public health safety measures on births in Scotland between March and May 2020.** *Public Health* 2021; 202:76-79 Speyer LG, Marryat L, Auyeung B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922177>
158. **COVID-19 related fear and depression of pregnant women and new mothers.** *Public Health Nurs.* 2021; Fan HSL, Choi EPH, Ko RWT *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902184>
159. **Irish Public Health Nursing Services and Home Support Services: governance of older persons' home care.** *Public Health Nurs.* 2021; McDonald A, Frazer K, Warters A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913190>
160. **What drives compliance with COVID-19 measures over time? Explaining changing impacts with Goal Framing Theory.** *Regul Gov* 2021; Six F, de Vadder S, Glavina M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909051>
161. **Intimate partner violence and associated factors among reproductive age women during COVID-19 pandemic in Southern Ethiopia, 2020.** *Reprod Health* 2021; 18:246 Shitu S, Yeshaneh A, Abebe H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903249>
162. **[Mood and sleep quality in Peruvian medical students during COVID-19 pandemic].** *Rev Colomb Psiquiatr* 2021; Olarte-Durand M, Roque-Aycachi JB, Rojas-Humpire R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903900>
163. **Drawing lessons from the COVID-19 pandemic: Seven obstacles to learning from public inquiries in the wake of the crisis.** *Risk Hazards Crisis Public Policy* 2021; Eriksson K, Staupe-Delgado R, Holst J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909110>
164. **Containing COVID-19 risk in the UAE: Mass quarantine, mental health, and implications for crisis management.** *Risk Hazards Crisis Public Policy* 2021; Thomas J, Terry JP. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909109>
165. **Depression Among HIV-Positive Pregnant Women at Northwest Amhara Referral Hospitals During COVID-19 Pandemic.** *Risk Manag. Healthc. Policy*

2021; 14:4897-4905Abate HK, Mekonnen CK, Ferede YM.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908887>

166. **Control and Prevention of the COVID-19 Epidemic in China: A Qualitative Community Case Study.** *Risk Manag. Healthc. Policy* 2021; 14:4907-4922Wu Y, Zhang Q, Li L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916861>
167. **Modelling the complexity of pandemic-related lifestyle quality change and mental health: an analysis of a nationally representative UK general population sample.** *Soc. Psychiatry Psychiatr. Epidemiol.* 2021;1-14Butter S, Murphy J, Hyland P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913985>
168. **The effectiveness of government measures during the first wave of the outbreak.** *Soc Sci Q* 2021; 102:2088-2105Ratto MC, Cabrera JM, Zacharías D, Azerrat JM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908606>
169. **The COVID-19 pandemic and government responses: A gender perspective on differences in public opinion.** *Soc Sci Q* 2021; 102:2383-2393Stockemer D, Plank F, Niemann A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908613>
170. **[The clinical practice of the psychologist in intensive care].** *Soins* 2021; 66:44-46Laurent A, Poujol AL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895573>
171. **[Psychiatric emergencies in teleconsultation: legal and practical aspects].** *Soins Psychiatr.* 2021; 42:35-41Eck M, Dujardin-Lascaux V, Williatte-Pellitteri L, Fovet T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895693>
172. **A time for self-care? Frontline health workers' strategies for managing mental health during the COVID-19 pandemic.** *SSM Ment Health* 2022; 2:100053Lewis S, Willis K, Bismark M, Smallwood N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913042>
173. **Correlates of suicidal ideation related to the COVID-19 Pandemic: Repeated cross-sectional nationally representative Canadian data.** *SSM Popul Health* 2021; 16:100988McAuliffe C, Pumarino J, Thomson KC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909458>
174. **Parenting in a Pandemic: Parental stress, anxiety and depression among parents during the government-initiated physical distancing measures following the first wave of COVID-19.** *Stress Health* 2021; Johnson MS, Skjerdingstad N, Ebrahimi OV *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902219>
175. **Changes in Substance Use Among People Seeking Alcohol and Other Drug Treatment During the COVID-19 Pandemic: Evaluating Mental Health Outcomes and Resilience.** *Subst. Abuse* 2021; 15:11782218211061746Carlyle M, Leung J, Walter ZC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898986>
176. **COVID-19 AS A STRESS TEST OF HEALTHCARE ESTABLISHMENTS EFFECTIVENESS AND RELIABILITY MEASURED NATIONALLY AND GLOBALLY.** *Wiad. Lek.* 2021; 74:2471-2476Yavorovskyi OP, Naumenko OM, Skaletsky YM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897007>
177. **Healthcare worker resilience during the COVID-19 pandemic: A qualitative study of primary care providers in India.** *World Med Health Policy* 2021; Golechha M, Bohra T, Patel M, Khetrapal S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909242>
178. **Public health issues with Candida auris in COVID-19 patients.** *World Med Health Policy* 2021; Janniger EJ, Kapila R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909239>

Meta-analyses - systematic reviews (18 articles)

1. **Characteristics, risk factors, and outcomes associated with readmission in COVID-19 patients: A systematic review and meta-analysis.** *Am J Emerg Med* 2021; 52:166-173Akbari A, Fathabadi A, Razmi M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923196>
2. **The mystery of COVID-19 reinfections: A global systematic review and meta-analysis.** *Ann Med Surg (Lond)* 2021; 72:103130Dhillon RA, Qamar MA, Gilani JA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900250>
3. **The effect of prone positioning on pressure injury incidence in adult intensive care unit patients: A meta-review of systematic reviews.** *Aust. Crit. Care* 2021; Patton D, Latimer S, Avsar P et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916149>
4. **The isolated effect of age on the risk of COVID-19 severe outcomes: a systematic review with meta-analysis.** *BMJ Glob Health* 2021; 6Romero Starke K, Reissig D, Petereit-Haack G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916273>
5. **A three-layer system to win the war against COVID-19 and invest in health systems of the future.** *BMJ Glob Health* 2021; 6Zhao F, Bali S, Kovacevic R, Weintraub J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920990>
6. **Impact of COVID-19 pandemic on haemorrhagic stroke admissions: a systematic review and meta-analysis.** *BMJ Open* 2021; 11:e050559You Y, Niu Y, Sun F et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907050>
7. **Outcomes and mortality associated with atrial arrhythmias among patients hospitalized with COVID-19: A systematic review and meta-analysis.** *Cardiol J* 2021; Szarpak L, Filipiak KJ, Skwarek A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897631>
8. **Thrombotic and Hemorrhagic Incidences in Patients After Discharge from COVID-19 Infection: A Systematic Review and Meta-Analysis.** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211069082Rungjirajittranon T, Owattanapanich W, Leelakanok N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907791>
9. **Thrombosis with Thrombocytopenia Syndrome After Administration of AZD1222 or Ad26.COV2.S Vaccine for COVID-19: A Systematic Review.** *Clin. Appl. Thromb. Hemost.* 2021; 27:10760296211068487Waqar U, Ahmed S, Gardezi S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907794>
10. **Antimicrobial consumption in patients with COVID-19: a systematic review and meta-analysis.** *Expert Rev. Anti Infect. Ther.* 2021;1-24Khan S, Hasan SS, Bond SE et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895002>
11. **Stem Cells Therapy for COVID-19: A Systematic Review and Meta-Analysis.** *Front Med (Lausanne)* 2021; 8:737590Arabpour E, Khoshdel S, Tabatabaei N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912818>
12. **Association between Thyroid Disease and Severe Coronavirus Disease 2019 (COVID-19) Infection: A Meta-Analysis.** *Iran J. Public Health* 2021; 50:1517-1525Xu J, Li Y, Xia Q, Shi Q. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917522>
13. **ECMO in COVID-19 Patients: A Systematic Review and Meta-analysis.** *J Cardiothorac Vasc Anesth* 2021; Bertini P, Guerracino F, Falcone M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906383>
14. **IL-17A in COVID-19 Cases: a meta-analysis.** *J Infect Dev Ctries* 2021; 15:1630-1639Fadlallah S, Sham Eddin MS, Rahal EA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917522>

term=34898490

15. **Administration of Parenteral Vitamin C in Patients With Severe Infection: Protocol for a Systematic Review and Meta-analysis.** *JMIR Res Protoc* 2022; 11:e33989Agarwal A, Basmaji J, Fernando SM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910661>
16. **The COVID-19 Pandemic and Access to Healthcare in People with Chronic Kidney Disease: a Systematic Review and Meta-analysis.** *Nephrology (Carlton)* 2021; Deng D, Liang A, Chui JN *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921475>
17. **Incidence of venous thromboembolic events in COVID-19 patients after hospital discharge: A systematic review and meta-analysis.** *Thromb Res* 2022; 209:94-98Zuin M, Engelen MM, Barco S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896917>
18. **Krebs von den Lungen-6 (KL-6) as a clinical marker for severe COVID-19: A systematic review and meta-analyses.** *Virology* 2022; 566:106-113Naderi N, Rahimzadeh M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896901>

Mortality (18 articles)

1. **Association between mortality and age among mechanically ventilated COVID-19 patients: a Japanese nationwide COVID-19 database study.** *Ann Intensive Care* 2021; 11:171Tanaka C, Tagami T, Nakayama F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897587>
2. **Child mortality in England during the COVID-19 pandemic.** *Arch. Dis. Child.* 2022; 107:14-20Odd D, Stoianova S, Williams T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911683>
3. **Lockdown and non-COVID-19 deaths: cause-specific mortality during the first wave of the 2020 pandemic in Norway: a population-based register study.** *BMJ Open* 2021; 11:e050525Raknes G, Strøm MS, Sulo G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907049>
4. **Outcomes and mortality associated with atrial arrhythmias among patients hospitalized with COVID-19: A systematic review and meta-analysis.** *Cardiol J* 2021; Szarpak L, Filipiak KJ, Skwarek A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897631>
5. **Association of COVID-19 mortality with COVID-19 vaccination rates in Rhineland-Palatinate (Germany) from calendar week 1 to 20 in the year 2021: a registry-based analysis.** *Eur. J. Epidemiol.* 2021; 36:1231-1236Wollschläger D, Gianicolo E, Blettner M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897584>
6. **Cancer-Related Characteristics Associated With Invasive Mechanical Ventilation or In-Hospital Mortality in Patients With COVID-19 Admitted to ICU: A Cohort Multicenter Study.** *Front. Oncol.* 2021; 11:746431Caruso P, Testa RS, Freitas ICL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917502>
7. **Analysis of Excess Mortality Data at Different Altitudes During the COVID-19 Outbreak in Ecuador.** *High. Alt. Med. Biol.* 2021; 22:406-416Ortiz-Prado E, Fernandez Naranjo RP, Vasconez E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905395>
8. **90-day mortality and clinical outcomes of patients with solid tumours and COVID-19 infection during the first pandemic outbreak in Catalonia, Spain: a**

- multicentre retrospective study.** *Int. J. Cancer* 2021; Tapia JC, Gavira J, López A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921732>
- 9. Ninety-day mortality and clinical outcomes of patients with solid tumours and COVID-19 infection during the first pandemic outbreak in Catalonia, Spain: A multicentre retrospective study.** *Int. J. Cancer* 2021; Tapia JC, Gavira J, López A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921732>
- 10. Are we really all in this together? The social patterning of mortality during the first wave of the COVID-19 pandemic in Belgium.** *Int J Equity Health* 2021; 20:258Gadeyne S, Rodriguez-Loureiro L, Surkyn J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922557>
- 11. Treatment and outcome of COVID-19 patients in a specialized hospital during the third wave: advance of age and increased mortality compared with the first/second waves.** *JA Clin Rep* 2021; 7:85Oda Y, Shimada M, Shiraishi S, Kurai O. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905146>
- 12. SIRVVD model-based verification of the effect of first and second doses of COVID-19/SARS-CoV-2 vaccination in Japan.** *Math Biosci Eng* 2022; 19:1026-1040Omae Y, Kakimoto Y, Sasaki M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903024>
- 13. 25-Hydroxyvitamin D level is associated with mortality in patients with critical COVID-19: a prospective observational study in Mexico City.** *Nutr. Res. Pract.* 2021; 15:S32-s40Parra-Ortega I, Alcara-Ramírez DG, Ronzon-Ronzon AA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909131>
- 14. Lower mortality rate in health workers and their families infected with COVID-19 associated pneumonia in Quetta, Baluchistan.** *Pak J Med Sci* 2021; 37:1747-1752Aslam M, Zehri MT, Mandoklel H et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912389>
- 15. Lymphopenia: A useful predictor of COVID-19 disease severity and mortality.** *Pak J Med Sci* 2021; 37:1984-1988Toori KU, Qureshi MA, Chaudhry A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912430>
- 16. [Factors associated to death in patients hospitalized due to COVID-19]. Rev. Med. Inst. Mex. Seguro Soc.** 2021; 59:423-430Ángeles-Garay U, Velázquez-García JA, Hernández-González C et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918895>
- 17. Total patient load, regional disparities and in-hospital mortality of intubated COVID-19 patients in Greece, from September 2020 to May 2021.** *Scand J Public Health* 2021;14034948211059968Lytras T, Tsiodras S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903101>
- 18. Epilepsy is overrepresented among young people who died from COVID-19: Analysis of nationwide mortality data in Hungary.** *Seizure* 2022; 94:136-141Horváth RA, Sütő Z, Cséke B et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906799>

Online – IT – Apps (86 articles)

- 1. Parent-adolescent discrepancies in adolescent recreational screen time reporting during the COVID-19 pandemic.** *Acad. Pediatr.* 2021; Nagata JM, Cortez CA, Iyer P et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923146>
- 2. Wearable Sensors for Remote Health Monitoring: Potential Applications for Early Diagnosis of Covid-19.** *Adv Mater Technol* 2021;2100545Mirjalali S, Peng S,

Fang Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901382>

3. **If virtual gynecology clinics are here to stay, we need to include everyone.**
AJOG Glob Rep 2021;100043Ball E, Rivas C, Khan R.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909705>
4. **Remote Pathology teaching under the COVID-19 pandemic: Medical students' perceptions.** Ann. Diagn. Pathol. 2021; 56:151875Rodrigues MAM, Zornoff D, Kobayashi R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923346>
5. **Remote Pathology teaching under the COVID-19 pandemic: Medical students' perceptions.** Ann. Diagn. Pathol. 2022; 56:151875Rodrigues MAM, Zornoff D, Kobayashi R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923346>
6. **Traumatic orthopedic consultations in COVID-19 inpatients - A cross sectional analysis of results and a review of lessons in tele-orthopedics.** Ann Med Surg (Lond) 2022; 73:103155Jarragh A, Lari A, Al-Shatti A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900245>
7. **Analysis of challenges faced and the scientific content of a hybrid pediatric surgical conference arranged during the COVID-19 pandemic.** Ann Pediatr Surg 2021; 17:67Patel MH, Akhtar J, Taqvi S, Batool T.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899883>
8. **Followers' unclear demands during the COVID-19 pandemic can undermine leaders' well-being: A moderated mediation model from an entrapment perspective.** Appl. Psychol. 2021; Zheng Y, Wu CH, Zheng XJ, Pan J.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898803>
9. **Machine learning-based forecasting of firemen ambulances' turnaround time in hospitals, considering the COVID-19 impact.** Appl Soft Comput 2021; 109:107561Cerna S, Arcolezi HH, Guyeux C *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899108>
10. **Can families believe the accuracy of websites' information regarding COVID-19 vaccines' side effects?** Arch. Dis. Child. 2021; Harvey-Nguyen L, Tuthill D.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906965>
11. **A novel Gray-Scale spatial exploitation learning Net for COVID-19 by crawling Internet resources.** Biomed. Signal Process. Control 2022; 73:103441ElAraby ME, Elzeki OM, Shams MY *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899960>
12. **Relationship between self-care activities, stress and well-being during COVID-19 lockdown: a cross-cultural mediation model.** BMJ Open 2021; 11:e048469Luis E, Bermejo-Martins E, Martinez M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34911708>
13. **Use of simulation to teach in the operating room: don't Let the COVID-19 pandemic to interrupt education an observational clinical trial.** Braz J Anesthesiol 2021; Büyük S, Bermede O, Erkoç S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921904>
14. **When virtual becomes reality: short term impressions of a two-week virtual urology sub-internship program.** Can J Urol 2021; 28:10907-10913Whiles BB, Kowalik CG, Mirza M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895395>
15. **Real-World Outcomes in Cystic Fibrosis Telemedicine Clinical Care in a Time of a Global Pandemic.** Chest 2021; Somerville LAL, List RP, Compton MH *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896356>
16. **Patient experience of telemedicine for osteoporosis care during the COVID-19 pandemic.** Clin. Endocrinol. (Oxf.) 2021; Jones AR, Ebeling PR, Teede H *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34914125>

- 17. Online Gaming and Prolonged Self-Isolation: Evidence from Italian Gamers During the Covid-19 Outbreak.** Clin Neuropsychiatry 2021; 18:65-74 Giardina A, Di Blasi M, Schimmenti A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909021>
- 18. Data sharing and collaborations with Telco data during the COVID-19 pandemic: A Vodafone case study.** Data Policy 2021; 3:e33 Lourenco PR, Kaur G, Allison M, Evetts T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901859>
- 19. An Evaluation of YouTube Videos as a Surgical Instructional Tool for Endoscopic Endonasal Approaches in Otolaryngology.** Ear Nose Throat J 2021;1455613211062447 De La Torre AB, Joe S, Lee VS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894801>
- 20. COVID-19 and black fungus: Analysis of the public perceptions through machine learning.** Eng Rep 2021:e12475 Imtiaz Khan N, Mahmud T, Nazrul Islam M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901767>
- 21. Barriers to telemedicine among physicians in epilepsy care during the COVID-19 pandemic: A national-level cross-sectional survey in Japan.** Epilepsy Behav. 2021; 126:108487 Kubota T, Kuroda N, Horinouchi T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922326>
- 22. Barriers to telemedicine among physicians in epilepsy care during the COVID-19 pandemic: A national-level cross-sectional survey in Japan.** Epilepsy Behav. 2022; 126:108487 Kubota T, Kuroda N, Horinouchi T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922326>
- 23. Did the COVID-19 pandemic impact help-seeking behavior for seizure management? A Google Trends™ study.** Epilepsy Behav. 2021; 126:108489 Syed MJ, Khan S, Kataria M, Zutshi D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920346>
- 24. The role of contemporary digital tools and technologies in Covid-19 crisis: An exploratory analysis.** Expert Syst 2021; Subramanian M, Shanmuga Vadivel K, Hatamleh WA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898797>
- 25. COVID-19 pandemic-related transition to telehealth in child and adolescent mental health.** Fam Relat 2021; Moorman LK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898779>
- 26. Easing of Regulatory Barriers to Telemedicine Abortion in Response to COVID-19.** Front Glob Womens Health 2021; 2:705611 Skuster P, Dhillon J, Li J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901929>
- 27. Association Between Online Self-Directed Learning Ability and Negative Emotions Among College Students During the COVID-19 Pandemic: A Cross-Sectional Study in Anhui Province, East China.** Front. Psychol. 2021; 12:720911 Chang WW, Zhang L, Wen LY et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916987>
- 28. Psychological Benefits and Challenges of Ph.D. Entrance Exam Virtual Interviews During COVID-19 Pandemic: Does Gender Play a Role?** Front. Psychol. 2021; 12:800715 Ebadi S, Bashiri S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899548>
- 29. Experiences and Perceived Self-Efficacy in Distance Learning Among Teachers of Students With Special Educational Needs.** Front. Psychol. 2021; 12:733865 Maurer J, Becker A, Hilkenmeier J, Daseking M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899473>
- 30. How Children and Adolescents Perceive Their Coping With Home Learning in Times of COVID-19: A Mixed Method Approach.** Front. Psychol. 2021;

- 12:733428Simm I, Winklhofer U, Naab T *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34916990>
31. **Remote Psychotherapy During the COVID-19 Pandemic. Experiences With the Transition and the Therapeutic Relationship. A Longitudinal Mixed-Methods Study.** *Front. Psychol.* 2021; 12:743430Stefan R, Mantl G, Höfner C *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899484>
32. **Telehealth to the Rescue During COVID-19: A Convergent Mixed Methods Study Investigating Patients' Perception.** *Front Public Health* 2021; 9:730647Al-Sharif GA, Almulla AA, AlMerashi E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917570>
33. **Online Learning-Related Visual Function Impairment During and After the COVID-19 Pandemic.** *Front Public Health* 2021; 9:645971Fan Q, Wang H, Kong W *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912766>
34. **Monitoring Study Participants and Implementation with Phone Calls to Support Hypertension Control During the COVID-19 Pandemic: The Case of a Multicomponent Intervention Trial in Guatemala.** *Glob Heart* 2021; 16:77Hernández-Galdamez D, Mansilla K, Peralta AL *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900568>
35. **Messenger effects in COVID-19 communication: Does the level of government matter?** *Health Policy Open* 2021; 2:100027Favero N, Jilke S, Wolfson JA *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909636>
36. **Estimating students' online learning satisfaction during COVID-19: A discriminant analysis.** *Helijon* 2021; 7:e08544Al-Nasa'h M, Al-Tarawneh L, Abu Awwad FM, Ahmad I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909480>
37. **Understanding the emotional response to Covid-19 information in news and social media: A mental health perspective.** *Hum Behav Emerg Technol* 2021; Jones R, Mougouei D, Evans SL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901769>
38. **Challenges of online teaching during Covid-19: An exploratory factor analysis.** *Hum Behav Emerg Technol* 2021; Siddiquei MI, Kathpal S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901771>
39. **Effectiveness of virtual training for medical officers and community health officers in the critical care management of COVID-19 patients in the intensive care unit.** *Indian J. Anaesth.* 2021; 65:S168-s173Gautam S, Shukla A, Mishra N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908569>
40. **Using Social Media as a Survey Recruitment Strategy for Post-Secondary Students During the COVID-19 Pandemic.** *Inquiry* 2021; 58:469580211059305Purewal S, Ardiles P, Di Ruggiero E *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34894834>
41. **In-person versus virtual therapy in outpatient eating-disorder treatment: A COVID-19 inspired study.** *Int. J. Eat. Disord.* 2021; Steiger H, Booij L, Crescenzi O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904742>
42. **Media use, positive and negative emotions, and stress levels of adults during COVID-19 pandemic in Turkey: A cross-sectional study.** *Int. J. Nurs. Pract.* 2021;e13035Akca A, Ayaz-Alkaya S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914153>
43. **Proportionate response to a COVID-19 threat? Use of apps and other technologies for monitoring employees under the EU data protection**

- framework.** *Int Labour Rev* 2021; Suder S, Siibak A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898714>
44. **The effectiveness of motivational messages to intensive care unit nurses during the COVID-19 pandemic.** *Intensive Crit Care Nurs* 2021;103161Köse S, Gezginci E, Göktaş S, Murat M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895798>
45. **Evaluation of patient satisfaction for telehealth (phone and video) in rheumatology outpatients during COVID-19 pandemic.** *Intern. Med. J.* 2021; Oh Y, Hennessey A, Young L, Barrett C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897948>
46. **A Robotic Device to Enhance Nursing Home Provider Telepresence During and After the COVID-19 Pandemic.** *J. Am. Med. Dir. Assoc.* 2021; Manley NA, Boron JB, Shade MY et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896058>
47. **A Psychological Intervention Delivered by Automated Mobile Phone Messaging Stabilized Hip and Knee Function During the COVID-19 Pandemic: A Randomized Controlled Trial.** *J. Arthroplasty* 2021; Anthony CA, Rojas E, Glass N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906660>
48. **Where's the germs? The effects of using virtual reality on nursing students' hospital infection prevention during the COVID-19 pandemic.** *J Comput Assist Learn* 2021; Liu Y, Butzlaff A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903904>
49. **Changes in activity and content of messages of an Estonian Facebook group during transition to distance learning at the beginning of the COVID-19 pandemic.** *J Comput Assist Learn* 2021; Luik P, Lepp M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903903>
50. **Higher education students' experiences and opinion about distance learning during the Covid-19 pandemic.** *J Comput Assist Learn* 2021; Stevanović A, Božić R, Radović S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903902>
51. **Factors impacting university students' online learning experiences during the COVID-19 epidemic.** *J Comput Assist Learn* 2021; Su CY, Guo Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908643>
52. **Taking the Learner on a Journey - An analysis of an Integrated Virtual CME Program in Epilepsy during the COVID-19 Pandemic.** *J Eur CME* 2021; 10:2015190Weisshardt I, Vlaev I, Cross JH, Blümcke I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912591>
53. **The role of behavioural immune system and belief in COVID-19 misinformation on COVID-19 protective behaviours in Indonesia.** *J Health Psychol* 2021;13591053211037730Prawira B, Pratama AJ, Bella A, Nuraini S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894810>
54. **Information, attitudes and behavior of Turkish people concerning COVID-19.** *J Infect Dev Ctries* 2021; 15:1584-1592Güden A, Güden E, Durmuş Sarıkahya S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898482>
55. **The Utilization of Phone Communication with Patient Companions During a Pandemic.** *J Patient Exp* 2021; 8:23743735211065280Song W, Rachitskaya AV. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901414>
56. **Remote treatment of pectus carinatum (telepectus) during the COVID-19 pandemic.** *J. Pediatr. Surg.* 2021; Gigena C, Vincenzo MD, Toselli L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903358>
57. **Psychological impact on healthcare workers in obstetrics and gynecology in France in 18 French University Hospitals during the first Covid-19 lockdown: a**

- prospective observational study.** *J. Psychosom. Obstet. Gynaecol.* 2021;1-8Chene G, Nohuz E, Cerruto E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915826>
- 58. Patients' Perspectives on Qualitative Olfactory Dysfunction: Thematic Analysis of Social Media Posts.** *JMIR Form Res* 2021; 5:e29086Parker JK, Kelly CE, Smith BC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904953>
- 59. Using telemedicine in nursing homes during the COVID-19 pandemic: A multi-perspective view on the implementation process.** *Nurs Open* 2021; Plunger P, Eitenberger M, Kletecka-Pulker M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918492>
- 60. The association of perceived sociability and social intelligence with loneliness in online learning among nursing students.** *Nurse Educ. Today* 2021; 109:105226Savci C, Cil Akinci A, Keles F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896849>
- 61. Prediction of asymptomatic COVID-19 infections based on complex network.** *Optim Control Appl Methods* 2021; Chen Y, He H, Liu D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908628>
- 62. An equation to calculate UPDRS motor severity for online and rural assessments of Parkinson's.** *Parkinsonism Relat. Disord.* 2021; 94:96-98Sangarapillai K, Norman BM, Almeida QJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896930>
- 63. Telemedicine During the COVID-19 Pandemic: A Paradigm Shift in Non-Communicable Disease Management? - A Cross-Sectional Survey from a Quaternary-Care Center in South India.** *Patient Prefer Adherence* 2021; 15:2715-2723Ullas S, Pradeep M, Surendran S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916781>
- 64. Weakly-supervised lesion analysis with a CNN-based framework for COVID-19.** *Phys. Med. Biol.* 2021; 66Wu K, Jelfs B, Ma X *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905733>
- 65. "COVID19 is_": The Perpetuation of Coronavirus Conspiracy Theories via Google Autocomplete.** *Proc Assoc Inf Sci Technol* 2021; 58:218-229Houli D, Radford ML, Singh VK. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901396>
- 66. Understanding the Temporal Effects on Tweetcussion of COVID-19 Vaccine.** *Proc Assoc Inf Sci Technol* 2021; 58:768-770Lee CS, Goh DH, Tan HW *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901402>
- 67. COVID-19 Apps and Privacy Protections from Users' Perspective.** *Proc Assoc Inf Sci Technol* 2021; 58:357-365Wang T, Guo L, Bashir M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901397>
- 68. Data Mining on COVID-19 Vaccines: Side Effects.** *Proc Assoc Inf Sci Technol* 2021; 58:869-871You J, Shaik N, Chen H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901408>
- 69. An Exploratory Study on Chinese Preteens' Internet Use and Parental Mediation during the COVID-19 Pandemic.** *Proc Assoc Inf Sci Technol* 2021; 58:875-877Zhang Y, Tang J, Zhang P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901409>
- 70. Global monitoring of the impact of the COVID-19 pandemic through online surveys sampled from the Facebook user base.** *Proc Natl Acad Sci U S A* 2021; 118Astley CM, Tuli G, Mc Cord KA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903657>

- 71. The US COVID-19 Trends and Impact Survey: Continuous real-time measurement of COVID-19 symptoms, risks, protective behaviors, testing, and vaccination.** Proc Natl Acad Sci U S A 2021; 118:Salomon JA, Reinhart A, Bilinski A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903656>
- 72. Parental involvement in homework of children with learning disabilities during distance learning: Relations with fear of COVID-19 and resilience.** Psychol. Sch. 2021; 58:2345-2360Touloupis T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908594>
- 73. Filipinos' health information-seeking behaviors and their implications for COVID-19 vaccination.** Public Health Nurs. 2021; Berdida DJE, Grande RAN, Lopez V. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902170>
- 74. Are we there yet? Unbundling the potential adoption and integration of telemedicine to improve virtual healthcare services in African health systems.** Sens Int 2022; 3:100152Mbunge E, Muchemwa B, Batani J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901894>
- 75. Decision-making algorithms for learning and adaptation with application to COVID-19 data.** Signal Processing 2022; 194:108426Marano S, Sayed AH. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898764>
- 76. [Psychiatric emergencies in teleconsultation: legal and practical aspects].** Soins Psychiatr. 2021; 42:35-41Eck M, Dujardin-Lascaux V, Williatte-Pellitteri L, Fovet T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895693>
- 77. Toward street vending in post COVID-19 China: Social networking services information overload and switching intention.** Technol Soc 2021; 66:101669Cao J, Liu F, Shang M, Zhou X. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898759>
- 78. Conflicting attitudes: Analyzing social media data to understand the early discourse on COVID-19 passports.** Technol Soc 2022; 68:101830Khan ML, Malik A, Ruhi U, Al-Busaidi A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898757>
- 79. The Utilization and Impact of Live Interactive and Store-and-Forward Teledermatology in a Veterans Affairs Medical Center During the COVID-19 Pandemic.** Telemed J E Health 2021; Castillo F, Peracca S, Oh DH, Twigg AR. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919470>
- 80. Current Status and Challenges of the Dissemination of Telemedicine in Japan After the Start of the COVID-19 Pandemic.** Telemed J E Health 2021; Kinoshita S, Kishimoto T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918952>
- 81. Telemedicine in Your Pocket: An Alternative Teleconsultation Tool in a Pandemic and in Resource-Poor Settings.** Telemed J E Health 2021; Malwade S, Marri M, Gundamraj R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905414>
- 82. The Implementation and Acceptability of a Combined Mobile Application with a COVID-19 at-Home Test Kit.** Telemed J E Health 2021; Zai AH, Caffrey M, O'Brien CS et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898259>
- 83. Effectiveness of message framing in changing COVID-19 vaccination intentions: Moderating role of travel desire.** Tour Manag 2022; 90:104468Gursoy D, Ekinci Y, Can AS, Murray JC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898791>
- 84. Air-travelers' concerns emerging from online comments during the COVID-19 outbreak.** Tour Manag 2021; 85:104313Piccinelli S, Moro S, Rita P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898789>
- 85. Post COVID-19 teleworking and car use intentions. Evidence from large scale GPS-tracking and survey data in the Netherlands.** Transp Res Interdiscip

Perspect 2021; 12:100498Olde Kalter MJ, Geurs KT, Wismans L.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909635>

86. **Testing an early online intervention for the treatment of disturbed sleep during the COVID-19 pandemic in self-reported good and poor sleepers (Sleep COVID-19): study protocol for a randomised controlled trial.** Trials 2021; 22:913Sawdon OL, Elder GJ, Santhi N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895327>

Other – Miscellaneous (170 articles)

1. **Realistic context doesn't amplify the survival processing effect: Lessons learned from Covid-19 scenarios.** Acta Psychol. (Amst.) 2021; 222:103459Kroneisen M, Kriechbaumer M, Kamp SM, Erdfelder E.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896772>
2. **Realistic context doesn't amplify the survival processing effect: Lessons learned from Covid-19 scenarios.** Acta Psychol. (Amst.) 2022; 222:103459Kroneisen M, Kriechbaumer M, Kamp SM, Erdfelder E.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896772>
3. **Impact of COVID-19 pandemic on African indigenous vegetables value chain in Kenya.** Agric Food Secur 2021; 10:52Ogada MJ, Justus O, Paul M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900240>
4. **Global food security post COVID-19: dearth or dwell in the developing world?** Agron. J. 2021; Panghal A, Mor RS, Kamble SS *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898672>
5. **Alcohol Use Cravings as a Mediator Between Associated Risk Factors on Increased Alcohol Use among Youth Adults in New York During the COVID-19 Pandemic.** Alcohol Treat Q 2021; 39:415-429Opara I, Malik S, Lardier DT, Jr. *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898835>
6. **How participation in Covid-19 mutual aid groups affects subjective well-being and how political identity moderates these effects.** Anal Soc Issues Public Policy 2021; Mao G, Drury J, Fernandes-Jesus M, Ntontis E.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899075>
7. **Food insecurity and COVID-19 risk in low- and middle-income countries.** Appl Econ Perspect Policy 2021; Mueller V, Grépin KA, Rabbani A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900208>
8. **The effect of COVID-19 on food sales.** Appl Econ Perspect Policy 2021; Zeballos E, Dong X. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900207>
9. **Do masks matter? Consumer perceptions of social media influencers who wear face masks amid the COVID-19 pandemic.** Appl. Psychol. 2021; Klucarova S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898802>
10. **Working from home during the COVID-19 crisis: How self-control strategies elucidate employees' job performance.** Appl. Psychol. 2021; Troll ES, Venz L, Weitzenerger F, Loschelder DD. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898804>
11. **Leading in times of crisis: How perceived COVID-19-related work intensification links to daily e-mail demands and leader outcomes.** Appl. Psychol. 2021; Venz L, Boettcher K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898805>

- 12. A calibrated piecewise-linear FGM approach for travel destination recommendation during the COVID-19 pandemic.** Appl Soft Comput 2021; 109:107535Chen T, Wang YC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899107>
- 13. What parliamentarians think about Australia's post-COVID-19 aid program: The emerging 'cautious consensus' in Australian aid.** Asia Pac Policy Stud 2021; Day B, Wells T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900256>
- 14. The impacts of COVID-19 containment on the Australian economy and its agricultural and mining industries.** Aust J Agric Resour Econ 2021; 65:776-801Dixon JM, Adams PD, Sheard N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899034>
- 15. Novel methods for an interesting time: Exploring U.S. local food systems' impacts and initiatives to respond to COVID.** Aust J Agric Resour Econ 2021; 65:848-877Thilmany D, Brislen L, Edmondson H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899035>
- 16. Exploring the impacts of the COVID-19 crisis for the employment prospects of refugees and people seeking asylum in Australia.** Aust J Soc Issues 2021; Cooney-O'Donoghue D, Adamovic M, Sojo V. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898753>
- 17. An exploratory study examining the changes to Australia's social security system during COVID-19 lockdown measures.** Aust J Soc Issues 2021; Klein E, Cook K, Maury S, Bowey K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898752>
- 18. Profiling racial prejudice during COVID-19: Who exhibits anti-Asian sentiment in Australia and the United States?** Aust J Soc Issues 2021; 56:464-484Tan X, Lee R, Ruppanner L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898754>
- 19. Work-based concerns of Australian frontline healthcare workers during the first wave of the COVID-19 pandemic.** Aust. N. Z. J. Public Health 2021; Hill M, Smith E, Mills B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897889>
- 20. Valence norms for 3,600 English words collected during the COVID-19 pandemic: Effects of age and the pandemic.** Behav. Res. Methods 2021; 1-12Kyröläinen AJ, Luke J, Libben G, Kuperman V. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918233>
- 21. The spike protein of SARS-CoV-2 induces heme oxygenase-1: Pathophysiologic implications.** Biochim Biophys Acta Mol Basis Dis 2021; 1868:166322Singh RD, Barry MA, Croatt AJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920080>
- 22. A qualitative exploration of the impact of COVID-19 on food decisions of economically disadvantaged families in Northern Ireland.** BMC Public Health 2021; 21:2291Spyreli E, McKinley MC, Woodside JV, Kelly C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915892>
- 23. Difficulties faced by older Rohingya (forcibly displaced Myanmar nationals) adults in accessing medical services amid the COVID-19 pandemic in Bangladesh.** BMJ Glob Health 2021; 6Mistry SK, Ali AM, Yadav UN *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903566>
- 24. Impact of COVID-19 on mobility and participation of older adults living in Hamilton, Ontario, Canada: a multimethod cohort design protocol.** BMJ Open 2021; 11:e053758Beauchamp MK, Vrkljan B, Kirkwood R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916322>

25. **Disrupted care during the COVID-19 state of emergency and productivity loss attributed to presenteeism in workers: a nationwide cross-sectional study.** [BMJ Open](https://bmjopen.bmjjournals.org/content/11/e050068) 2021; 11:e050068Ishimaru T, Tsuno K, Hori A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907047>
26. **Street vendors in Lima in the time of COVID-19: Guilty or oppressed?** [Can Geogr](https://geogr.oxfordjournals.org/content/2021/1/1) 2021; Coletto D, Jaber L, Vanhellemont L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898683>
27. **Global cities, hypermobility, and Covid-19.** [Cities](https://doi.org/10.1080/13604813.2021.1221035) 2022; 122:103537da Silva Corrêa L, Perl A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898793>
28. **Urban diversity and epidemic resilience: The case of the COVID-19.** [Cities](https://doi.org/10.1080/13604813.2021.1221036) 2022; 122:103526Hananel R, Fishman R, Malovicki-Yaffe N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908641>
29. **Mobile clinics in conflict-affected communities of North West and South West regions of Cameroon: an alternative option for differentiated delivery service for internally displaced persons during COVID-19.** [Confl Health](https://doi.org/10.1080/17550992.2021.1590061) 2021; 15:90Omam LA, Jarman E, Ekokobe W *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906187>
30. **Influence of the COVID-19 pandemic on amphibian road mortality.** [Conserv Sci Pract](https://doi.org/10.1080/08982603.2021.1890177) 2021; 3:e535LeClair G, Chatfield MWH, Wood Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901774>
31. **Do disease epidemics force economic activity underground? International evidence.** [Contemp Econ Policy](https://doi.org/10.1080/10639650.2021.1890897) 2021; Berdiev AN, Goel RK, Saunoris JW. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898973>
32. **Crime under lockdown: The impact of COVID-19 on citizen security in the city of Buenos Aires.** [Criminol Public Policy](https://doi.org/10.1080/10639650.2021.1890901) 2021; 20:463-492Perez-Vincent SM, Schargrodsky E, García Mejía M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899091>
33. **Comparing 911 and emergency hotline calls for domestic violence in seven cities: What happened when people started staying home due to COVID-19?** [Criminol Public Policy](https://doi.org/10.1080/10639650.2021.1890902) 2021; 20:573-591Richards TN, Nix J, Mourgos SM, Adams IT. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899092>
34. **"L'ENFER, C'EST LES AUTRES": Proximity as an Ethical Problem during COVID-19.** [Cult Anthropol](https://doi.org/10.1080/10639650.2021.1890883) 2021; 36:341-349Strong T, Trnka S, Wynn LL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898839>
35. **BE KIND: Negotiating Ethical Proximities in Aotearoa/New Zealand during COVID-19.** [Cult Anthropol](https://doi.org/10.1080/10639650.2021.1890884) 2021; 36:368-380Trnka S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898842>
36. **THE PANDEMIC IMAGINERIE: Infectious Bodies and Military-Police Theater in Australia.** [Cult Anthropol](https://doi.org/10.1080/10639650.2021.1890884) 2021; 36:350-359Wynn LL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898840>
37. **Socialized medicine has always been political: COVID-19, science and biopower in India.** [Cult Stud Sci Educ](https://doi.org/10.1080/10639650.2021.18900022) 2021;1-19Raveendran A, Bazzul J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900022>
38. **Perception of the COVID-19 Pandemic Among Members of Saudi Society: Solidarity, Humility, and Connectivity.** [Cureus](https://doi.org/10.1080/15535610.2021.18909335) 2021; 13:e19427Alghalyini B, Albeyahi A, Abou Shaar B, Salah M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909335>
39. **Charismatic Trends in COVID-19 Patients in Pakistan: A Case Series.** [Cureus](https://doi.org/10.1080/15535610.2021.189019345) 2021; 13:e19345Rehan MA, Waheed A, Iqbal M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=349019345>

- <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909306>
40. **Survey data on the social, personal, and work resources associated with work engagement among knowledge workers in Malaysia amid the COVID-19 pandemic.** *Data Brief* 2022; 40:107690Ojo AO, Fawehinmi O, Yusliza MY.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901335>
41. **Using forecasting to evaluate the impact of COVID-19 on passenger air transport demand.** *Decis Sci* 2021; Li X, de Groot M, Bäck T.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898688>
42. **Lockdown and licensed premises: COVID-19 lessons for alcohol policy.** *Drug Alcohol Rev* 2021; Fitzgerald N, Manca F, Uny I *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904313>
43. **Alcohol access and purchasing behaviour during COVID-19 pandemic restrictions: An exploration of sociodemographic, health and psychosocial correlates in two Canadian provinces.** *Drug Alcohol Rev* 2021; MacNabb K, Blades S, Thompson K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923690>
44. **Oil price, US stock market and the US business conditions in the era of COVID-19 pandemic outbreak.** *Econ Anal Policy* 2022; 73:129-139Managi S, Yousfi M, Ben Zaied Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898815>
45. **Changes in college student alcohol use during the COVID-19 pandemic: Are perceived drinking norms still relevant?** *Emerg Adulthood* 2021; 9:531-540Graupensperger S, Jaffe AE, Fleming CNB *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900403>
46. **[CONFAMI study: Effects of home confinement during the COVID-19 epidemic on the lives of children and their families].** *Encephale* 2021; Zebdi R, Plateau E, Delalandre A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916077>
47. **The Covid-19 shock on a low-carbon grid: Evidence from the nordics.** *Energy Policy* 2021; 156:112416Mauritzen J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898808>
48. **Air quality index variation before and after the onset of COVID-19 pandemic: a comprehensive study on 87 capital, industrial and polluted cities of the world.** *Environ Sci Eur* 2021; 33:134Sarmadi M, Rahimi S, Rezaei M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900511>
49. **New Insights into Unexpected Severe PM(2.5) Pollution during the SARS and COVID-19 Pandemic Periods in Beijing.** *Environ. Sci. Technol.* 2022; 56:155-164Zuo P, Zong Z, Zheng B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910459>
50. **Locked out: An ethical analysis of Trinidad and Tobago's COVID-19 border closure.** *Ethics Med Public Health* 2022; 20:100749Budrie L, Narinesingh A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901364>
51. **Technocratic attitudes in COVID-19 times: Change and preference over types of experts.** *Eur J Polit Res* 2021; Lavezzolo S, Ramiro L, Fernández-Vázquez P.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898810>
52. **Incidences of COVID-19 in Major Mining Municipalities in the Brazilian Amazon: Economic Impacts, Risks and Lessons.** *Extr Ind Soc* 2021:101033de Castro FF, Góes GS, Sena do Nascimento JA, Monnerat MT.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34900609>
53. **Perceived Changes in Family Life During COVID-19: The Role of Family Size.** *Fam Relat* 2021; 70:1303-1311Canzi E, Danioni FV, Parise M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898783>

54. **Chaos during the COVID-19 outbreak: Predictors of household chaos among low-income families during a pandemic.** *Fam Relat* 2021; Johnson AD, Martin A, Partika A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898781>
55. **Google search volumes and the financial markets during the COVID-19 outbreak.** *Financ Res Lett* 2021; 42:101884Costola M, Iacopini M, Santagiustina C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903954>
56. **COVID-19 and the liquidity network.** *Financ Res Lett* 2021; 42:101937Farzami Y, Gregory-Allen R, Molchanov A, Sehrish S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903955>
57. **Impacts of the COVID-19 pandemic on vegetable production systems and livelihoods: Smallholder farmer experiences in Burkina Faso.** *Food Energy Secur* 2021:e337Middendorf BJ, Traoré H, Middendorf G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900239>
58. **Lessons Learned for Emergency Feeding During Modifications to 11 School Feeding Programs in Latin America and the Caribbean During the COVID-19 Pandemic.** *Food Nutr. Bull.* 2021:3795721211062371Colón-Ramos U, Monge-Rojas R, Weil JG *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894790>
59. **Has global agricultural trade been resilient under coronavirus (COVID-19)? Findings from an econometric assessment of 2020.** *Food Policy* 2022; 107:102204Arita S, Grant J, Sydow S, Beckman J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903907>
60. **Changes in fast food intake in Iranian households during the lockdown period caused by COVID-19 virus emergency, National Food and Nutrition Surveillance.** *Food Sci Nutr* 2021; Rabiei S, Ghodsi D, Amini M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900241>
61. **Editorial: Bioethics Amidst the COVID-19 Pandemic.** *Front Med (Lausanne)* 2021; 8:778146Al-Hussaini M, Mansour AH, Arawi TA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901092>
62. **The Power of Music to Prevent and Control Emerging Infectious Diseases.** *Front Med (Lausanne)* 2021; 8:756152Benavides JA, Caparrós C, da Silva RM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901067>
63. **Global Inequality in Service Sector Development: Trend and Convergence.** *Front. Psychol.* 2021; 12:792950Ma N, Shum WY, Han T, Cheong TS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899547>
64. **Impact of Yoga on the Work-Life Balance of Working Women During COVID-19 Pandemic.** *Front. Psychol.* 2021; 12:785009Raj Lakshmi RKR, Oinam E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917004>
65. **Meteorological Factors and the COVID-19 Pandemic: The Backdrop of Pakistan.** *Front. Psychol.* 2021; 12:764016Riaz M, Akhtar MN, Jinghong S, Gul H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899508>
66. **Pacing Forward in the Face of Fragility: Lessons From African Institutions and Governments' Response to Public Health Emergencies.** *Front Public Health* 2021; 9:714812Bitanihirwe B, Ssewanyana D, Ddumba-Nyanzi I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900886>
67. **The Impacts of Globalization on Inequality in the Post-COVID-19 World: Evidence From China.** *Front Public Health* 2021; 9:790312Cheong TS, Wu Y, Wojewodzki M, Ma N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912773>
68. **SARS-CoV-2 Among Migrants Recently Arrived in Europe From Low- and Middle-Income Countries: Containment Strategies and Special Features of**

- Management in Reception Centers.** Front Public Health 2021; 9:735601Fabris S, d'Ettorre G, Spagnolello O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917571>
69. **Corrigendum: Social Quarantine and Its Four Modes: Conceptual Exploration and the Theoretical Construction of the Policies Against COVID-19.** Front Public Health 2021; 9:793721Lin K, Mumtaz A, Rahaman MA, Mok KH. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900926>
70. **Food Access, Diet Quality, and Nutritional Status of Older Adults During COVID-19: A Scoping Review.** Front Public Health 2021; 9:763994Nicklett EJ, Johnson KE, Troy LM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917577>
71. **The Organic Turn: Coping With Pandemic and Non-pandemic Challenges by Integrating Evidence-, Theory-, Experience-, and Context-Based Knowledge in Advising Health Policy.** Front Public Health 2021; 9:727427Pfaff H, Schmitt J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900888>
72. **Community Engagement in the Fight Against COVID-19: Knowledge, Attitude, and Prevention Practices Among Dire Dawa Residents, Eastern Ethiopia.** Front Public Health 2021; 9:753867Umer A, Abdella K, Tekle Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917574>
73. **The Impact of Pandemics Sentiment on the Global Art Market.** Front Public Health 2021; 9:799658Wang W. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912775>
74. **SARS-CoV-2 Infection in One Cat and Three Dogs Living in COVID-19-Positive Households in Madrid, Spain.** Front Vet Sci 2021; 8:779341Miró G, Regidor-Cerrillo J, Checa R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901253>
75. **Gendering boundary work: Experiences of work-family practices among Finnish working parents during COVID-19 lockdown.** Gend Work Organ 2021; Otonkorpi-Lehtoranta K, Salin M, Hakovirta M, Kaittila A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898870>
76. **The COVID-19 pandemic: Narratives of informal women workers in Indian Punjab.** Gend Work Organ 2021; Singh N, Kaur A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898869>
77. **Justice, Bioethics, and Covid-19.** Hastings Cent Rep 2021; 51:2Kaebnick GE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904730>
78. **Impact of COVID-19 on an Urban Refugee Population.** Health Equity 2021; 5:718-723Gautham I, Albert S, Koroma A, Banu S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909541>
79. **Social Determinants of Health Discussed with Mothers During Personal Visits Before and During the COVID-19 Pandemic.** Health Equity 2021; 5:536-544Tabak RG, Schwarz CD, Kemner A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909520>
80. **The hidden minority: Discrimination and mental health among international students in the US during the COVID-19 pandemic.** Health Soc Care Community 2021; Maleku A, Kim YK, Kirsch J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921449>
81. **The effects of COVID-19 on livelihoods of rural households: South Wollo and Oromia Zones, Ethiopia.** Heliyon 2021; 7:e08550Asegie AM, Adisalem ST, Eshetu AA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904130>
82. **An evaluation of community satisfaction with the government's COVID-19 pandemic response in Aceh, Indonesia.** Int J Disaster Risk Reduct 2022;

- 69:102723Adamy A, Rani HA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900573>
83. **Difficulties accessing health care services during the COVID-19 pandemic in Canada: examining the intersectionality between immigrant status and visible minority status.** *Int J Equity Health* 2021; 20:255Etowa J, Sano Y, Hyman I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915891>
84. "Power relations in global supply chains and the unequal distribution of costs during crises: Squeezing suppliers and workers during the Covid-19 pandemic". *Int Labour Rev* 2021; Anner M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898712>
85. **Impacts of the Covid-19 pandemic and unpaid care work on informal workers' livelihoods.** *Int Labour Rev* 2021; Ogando AC, Rogan M, Moussié R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898713>
86. **Food prices, processing, and shocks: Evidence from rice and COVID-19.** *J Agric Econ* 2021; Goeb J, Zone PP, Kham Synt NL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898718>
87. **The impact of the COVID-19 pandemic on physical activity habits at a residential university.** *J. Am. Coll. Health* 2021:1-6Hudgins BL, Kurti SP, Edwards ES, Hargens TA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905716>
88. **On Pandemic Privilege: Reflections on a "Home-Bound Pandemic Ethnography".** *J Anthropol N Am* 2021; Horton SB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909562>
89. **Stock valuation during the COVID-19 pandemic: An explanation using option-based discount rates.** *J Bank Financ* 2021:106386Berkman H, Malloch H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898820>
90. **Financial Sector Policy Response to COVID-19 in Emerging Markets and Developing Economies.** *J Bank Financ* 2021; 133:106184Feyen E, Alonso Gispert T, Kliatskova T, Mare DS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898821>
91. **This time is really different: The multiplier effect of the Paycheck Protection Program (PPP) on small business bank loans.** *J Bank Financ* 2021; 133:106223Karakaplan MU. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898822>
92. **Reimagining global food value chains through effective resilience to COVID-19 shocks and similar future events: A dynamic capability perspective.** *J Bus Res* 2022; 141:1-12Ali I, Arslan A, Chowdhury M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908632>
93. **No Common Ground: A Spatial-Relational Analysis of EU-China Relations.** *J Chin Polit Sci* 2021:1-35Levy K, Révész Á. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898975>
94. **Prosocial behaviours under collective quarantine conditions. A latent class analysis study during the 2020 COVID-19 lockdown in Italy.** *J. Community Appl. Soc. Psychol.* 2021; Aresi G, Procentese F, Gattino S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898966>
95. **Bouncing back from COVID-19: Individual and ecological factors influence national resilience in adults from Israel, the Philippines, and Brazil.** *J. Community Appl. Soc. Psychol.* 2021; Ballada CJA, Aruta J, Callueng CM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898964>
96. **The amplifying effect of perceived group politicization: Effects of group perceptions and identification on anxiety and coping self-efficacy among members of UK COVID-19 mutual aid groups.** *J. Community Appl. Soc. Psychol.*

- 2021; O'Dwyer E, Beascoechea-Seguí N, Souza LGS.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898965>
97. **'We are all in the same boat': How societal discontent affects intention to help during the COVID-19 pandemic.** *J. Community Appl. Soc. Psychol.* 2021; Resta E, Mula S, Baldner C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898961>
98. **Community identity profiles and COVID-19-related community participation.** *J. Community Appl. Soc. Psychol.* 2021; Wang X, Yang Z, Xin Z *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898963>
99. **The impact of COVID-19 on the safety, housing stability, and mental health of unstably housed domestic violence survivors.** *J. Community Psychol.* 2021; Chiaramonte D, Simmons C, Hamdan N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921735>
100. **Impacts of Covid-19 pandemic on consumer behavior in Turkey: A qualitative study.** *J Consum Aff* 2021; Güngörbü Belbağ A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908582>
101. **An analysis of the relationship between risk perceptions and willingness-to-pay for commodities during the COVID-19 pandemic.** *J Consum Aff* 2021; Li O, Qian D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908578>
102. **Identifying consumer segments based on COVID-19 pandemic perceptions and responses.** *J Consum Aff* 2021; Sheng X, Ketrov SC, Wan Y.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908579>
103. **Dynamics and asymmetries between consumer sentiment and consumption in pre- and during-COVID-19 time: Evidence from the US.** *J Econ Asymmetries* 2021; 24:e00227Abosedra S, Laopodis NT, Fakih A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899924>
104. **Learning from the COVID-19 pandemic to combat climate change: comparing drivers of individual action in global crises.** *J Environ Stud Sci* 2021:1-11Meijers MHC, Scholz C, Torfadóttir RH *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900513>
105. **Adsorption and desorption of antiviral drugs (ritonavir and lopinavir) on sewage sludges as a potential environmental risk.** *J. Hazard. Mater.* 2022; 425:127901Krasucka P, Rombel A, Yang XJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906870>
106. **God is in the rain: The impact of rainfall-induced early social distancing on COVID-19 outbreaks.** *J. Health Econ.* 2021; 81:102575Shenoy A, Sharma B, Xu G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923344>
107. **"I prefer to get coronavirus than to stop working": the street vendor's perspective.** *J Infect Dev Ctries* 2021; 15:1603-1606Delgado-Enciso J, Delgado-Machuca M, Mokay-Ramírez KA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898485>
108. **Unemployment, SNAP Enrollment, and Food Insecurity Before and After California's COVID-19 Shutdown.** *J. Nutr. Educ. Behav.* 2021; 53:1055-1059Molitor F, Doerr C, Kehl S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895558>
109. **Evaluation of the effects of repeated disinfection on medical exam gloves: Part 2. Changes in mechanical properties.** *J. Occup. Environ. Hyg.* 2021:1-14Phalen R, Patterson J, Cuadros Olave J *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34895087>

- 110. Evaluation of the effects of repeated disinfection on medical exam gloves:**
Part 1. Changes in physical integrity. *J. Occup. Environ. Hyg.* 2021;1-11Shless J, Crider Y, Pitchik H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895086>
- 111. The Impact of COVID-19 on Patient Experience Within a Midwest Hospital System: A Case Study.** *J Patient Exp.* 2021; 8:23743735211065298Drapeaux A, Jenson JA, Fustino N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901416>
- 112. Implications of COVID-19 Regulations for People With Visual and Intellectual Disabilities: Lessons to Learn From Visiting Restrictions.** *J Policy Pract Intellect Disabil.* 2021; Honingh AK, Koelewijn A, Veneberg B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909049>
- 113. During COVID-19, impact of subjective and objective financial knowledge and economic insecurity on financial management behavior: Mediating role of financial wellbeing.** *J Public Aff.* 2021:e2789Ali S, Talha N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899065>
- 114. The effect of COVID-19 pandemic on global stock markets: Return, volatility, and bad state probability dynamics.** *J Public Aff.* 2021:e2761Basuony MAK, Bouaddi M, Ali H, EmadEldeen R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899060>
- 115. Effectiveness of public policy in reviving the COVID-19 hit economy: Evidences from Kerala, India.** *J Public Aff.* 2021:e2794Mohammed Kasim C, Azad P, Muhammed Refeque E, Maya K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899066>
- 116. The economic and social impact of COVID-19 on tourism and hospitality industry: A case study from Oman.** *J Public Aff.* 2021:e2786Mohammed Said Al-Mughairi H, Bhaskar P, Khalfan Hamood Alazri A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899064>
- 117. Thank you, COVID-19: Positive social psychology towards the new normal.** *J. Public Aff.* 2021:e2766Rahaman MS, Rahman MM, Ali Reza SM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899061>
- 118. COVID-19 pandemic control and administrative issues in Pakistan: How Pakistan mitigated both pandemic and administration issues?** *J Public Aff.* 2021:e2760Raza MAA, Yan C, Abbas HSM, Ullah A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899059>
- 119. Impacts of COVID-19 induced food insecurity among informal migrants: Insight from Dhaka, Bangladesh.** *J Public Aff.* 2021:e2770Sohel MS, Hossain B, Sarker MNI *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899062>
- 120. Assessing governments response to exogenous shocks: Considering the COVID-19 pandemic in the Ghanaian context.** *J Public Aff.* 2021:e2755Tuffour P, Opoku-Mensah E, Asiedu-Ayeh LO, Darko D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899058>
- 121. Regional and sectorial impacts of the Covid-19 crisis: Evidence from electronic payments.** *J Reg Sci.* 2021; Carvalho BP, Peralta S, Pereira Dos Santos J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908586>
- 122. Public responses to COVID-19 case disclosure and their spatial implications.** *J. Reg Sci.* 2021; Lee KO, Lee H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908584>
- 123. Effects of COVID-19 on a CMOS fabrication course: An integrated design experience.** *J Soc Inf Disp.* 2021; Paik SJ, Frazier AB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908821>

124. **The Community of Bilingual English-Spanish Speakers Exploring Issues in Science and Health: Experiences During the COVID-19 Pandemic.** J STEM Outreach 2021; 4Lucero JE, Finnegan J, Wilcox J *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901765>
125. **You stay home, but we can't: Invisible 'dirty' work as calling amid COVID-19 pandemic.** J. Vocat. Behav. 2022; 132:103667Sharma D, Ghosh K, Mishra M, Anand S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898671>
126. **From the Cyclone Idai disaster to the COVID-19 pandemic: An account of inadvertent social capital enhancement in Eastern Chimanimani, Zimbabwe.** Jamba 2021; 13:1068Chingombe W, Musarandega H.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917285>
127. **Case presentation and panel discussion: Nutrition issues in cancer.** JPEN J. Parenter. Enteral Nutr. 2021; 45:41-46Mundi MS, Mechanick JI, Patel JJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34897739>
128. **Clinical application of time factor principles in radiotherapy in compensation of radiation series interruptions.** Klin Onkol 2021; 34:455-462Pechačová Z, Lohynská R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911331>
129. **[Longer Unemployment Insurance Benefits in Times of Crisis? Covid-19 and the Appropriate Maximum Benefit Duration].** Kolner Z Soz Sozpsychol 2021:1-3Osiander C, Senghaas M, Stephan G, Struck O.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898722>
130. **Minimizing COVID-19 disruption: ensuring the supply of essential health products for health emergencies and routine health services.** Lancet Reg Health Am 2021:100129Lal A, Lim C, Almeida G, Fitzgerald J.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909753>
131. **Setting an example: Political leaders' cues and compliance with health policies in the early stages of the Covid-19 pandemic in Mexico.** Lat Am Policy 2021; 12:276-299Ayala-Cantu L, Frattini FF, Morando B.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909160>
132. **What is life? (A 2020-21 Victorian lament).** Med. J. Aust. 2021; 215:544Huang A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34897726>
133. **Temporary migration and regional development amidst Covid-19: Invercargill and Queenstown.** N Z Geog 2021; Collins FL.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908592>
134. **Racialized minorities, trust, and crisis: Muslim-American nonprofits, their leadership and government relations during COVID-19.** Nonprofit Manag. Leadersh. 2021; Noor Z, Wasif R, Siddiqui S, Khan S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908814>
135. **Food service industry in the era of COVID-19: trends and research implications.** Nutr. Res. Pract. 2021; 15:S22-s31Lee S, Ham S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909130>
136. **COVID-19 and changes in Korean consumers' dietary attitudes and behaviors.** Nutr. Res. Pract. 2021; 15:S94-s109Rha JY, Lee B, Nam Y, Yoon J.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909136>
137. **Major concerns regarding food services based on news media reports during the COVID-19 outbreak using the topic modeling approach.** Nutr. Res. Pract. 2021; 15:S110-s121Yoon H, Kim T, Kim CS, Kim N.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909137>

138. **Attitudes of Polish Priests and Laymen Towards Death During the Covid-19 Pandemic.** *Omega (Westport)* 2021;30:2228211060595Zdziarski K, Landowska A, Szczodry M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894865>
139. **Motivating COVID-19 mitigation actions via personal norm: An extension of the norm activation model.** *Patient Educ. Couns.* 2021; Rui JR, Yuan S, Xu P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916096>
140. **A decrease in reports on road-killed animals based on citizen science during COVID-19 lockdown.** *PeerJ* 2021; 9:e12464Dörler D, Heigl F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900421>
141. **Workplace violence against frontline clinicians in emergency departments during the COVID-19 pandemic.** *PeerJ* 2021; 9:e12459Liu R, Li Y, An Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900420>
142. **Validation of diagnosis codes to identify hospitalized COVID-19 patients in health care claims data.** *Pharmacoepidemiol. Drug Saf.* 2021; Kluberg SA, Hou L, Dutcher SK et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913208>
143. **Is additive manufacturing a magic bullet to resupply lacking PPE? Producing respirators and face shields during COVID-19 pandemic: A systematic review.** *Polim. Med.* 2021; 51:91-102Rzeszuto J, Kaczor P, Kosztulska B et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910387>
144. **Health Equity and Small and Rural Public Libraries During COVID-19.** *Proc Assoc Inf Sci Technol* 2021; 58:827-829Rubenstein EL, Burke SK, D'Arpa C, Lenstra N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901404>
145. **Understanding New Yorkers' Everyday Life Information Seeking Behavior in the Context of Coping with COVID-19.** *Proc Assoc Inf Sci Technol* 2021; 58:866-868Wu S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901407>
146. **Looking ahead in the COVID-19 pandemic: emerging lessons learned for sexual and reproductive health services in low- and middle-income countries.** *Reprod Health* 2021; 18:248Banke-Thomas A, Yaya S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906177>
147. **Poverty in India in the face of Covid-19: Diagnosis and prospects.** *Rev Dev Econ* 2021; 25:1816-1837Dang HA, Lanjouw P, Vrijburg E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908902>
148. **Pandemic Policy and Life Satisfaction in Europe.** *Rev Income Wealth* 2021; Clark AE, Lepinteur A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908597>
149. **COVID-19 and the compact city: Implications for well-being and sustainable urban planning.** *Sci Total Environ* 2021; 811:152332Mouratidis K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914991>
150. **Indirect effects of COVID-19 on the environment: How deep and how long?** *Sci Total Environ* 2021; 810:152255Vadiati M, Beynaghi A, Bhattacharya P et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896489>
151. **The utterly unforeseen livelihood shock: COVID-19 and street vendor coping mechanisms in Hanoi, Chiang Mai and Luang Prabang.** *Singap J Trop Geogr* 2021; 42:484-504Turner S, Langill JC, Nguyen BN. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908627>
152. **COVID-19 and the labour market outcomes of disabled people in the UK.** *Soc. Sci. Med.* 2021; 292:114637Jones M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902809>
153. **COVID-19 and the labour market outcomes of disabled people in the UK.** *Soc. Sci. Med.* 2022; 292:114637Jones M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902809>

term=34902809

154. **The unanticipated effect of COVID-19 on house apportionment.** Soc Sci Q 2021; 102:2432-2434Cervas J, Grofman B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908616>
155. **Job precarity and economic prospects during the COVID-19 public health crisis.** Soc Sci Q 2021; 102:2394-2411Han WJ, Hart J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908614>
156. **Has Pandemic Threat Stoked Xenophobia? How COVID-19 Influences California Voters' Attitudes toward Diversity and Immigration.** Sociol Forum (Randolph N J) 2021; 36:889-915Daniels C, DiMaggio P, Mora GC, Shepherd H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908650>
157. **Assessment of green economic efficiency in China using analytical hierarchical process (AHP).** Soft comput 2021;1-11Naseer S, Song H, Aslam MS et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899043>
158. **[Resuscitation and care organisation in the face of a pandemic].** Soins 2021; 66:32-35L'Hotellier S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895570>
159. **Impacts of state COVID-19 reopening policy on human mobility and mixing behavior.** South Econ J 2021; 88:458-486Nguyen TD, Gupta S, Andersen MS et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908602>
160. **Firm partisan positioning, polarization, and risk communication: Examining voluntary disclosures on COVID-19.** Strateg Manag J 2021; Benton RA, Cobb JA, Werner T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908629>
161. **Social practices and energy use at home during the first Italian lockdown due to Covid-19.** Sustain Cities Soc 2022; 78:103536Balest J, Stawinoga AE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904061>
162. **Sustainable, resilient and responsive mixed supply chain network design under hybrid uncertainty with considering COVID-19 pandemic disruption.** Sustain Prod Consum 2022; 30:278-300Vali-Siar MM, Roghanian E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901363>
163. **The more you know, the better you act? Institutional communication in Covid-19 crisis management.** Technol Forecast Soc Change 2021; 170:120929Viola C, Toma P, Manta F, Benvenuto M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898725>
164. **The challenges of COVID-19 control policies for sustainable development of business: Evidence from service industries.** Technol Soc 2021; 66:101643Chen J, Huang J, Su W et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898758>
165. **Workplace Bullying and Patient Aggression Related to COVID-19 and its Association with Psychological Distress among Health Care Professionals during the COVID-19 Pandemic in Japan.** Tohoku J. Exp. Med. 2021; 255:283-289Asaoka H, Sasaki N, Kuroda R et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897160>
166. **Atmospheric conditioning: airport automation, labour and the COVID-19 pandemic.** Trans Inst Br Geogr 2021; Lin W. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908575>
167. **Public transport strategy and epidemic prevention framework in the Context of Covid-19.** Transp Policy (Oxf) 2022; 116:165-174Naveen BR, Gurtoo A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898864>
168. **Impact of the COVID-19 pandemic on food production and animal health.** Trends Food Sci Technol 2021; Rahimi P, Islam MS, Duarte PM et al.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898853>

169. **Impact of COVID-19 lockdown measures on waste production behavior in Lisbon.** Waste Manag 2022; 138:189-198Sarmento P, Motta M, Scott IJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902681>
170. **COVID and Climate: Similarities and differences.** Wiley Interdiscip Rev Clim Change 2021; 12:e737Grundmann R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899990>

Pathology (9 articles)

1. **Minimally Invasive Tissue Sampling as an Alternative to Complete Diagnostic Autopsies in the Context of Epidemic Outbreaks and Pandemics: The Example of Coronavirus Disease 2019 (COVID-19).** Clin Infect Dis 2021; 73:S472-s479Bassat Q, Varo R, Hurtado JC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910176>
2. **Ultrasound-Guided Minimally Invasive Tissue Sampling: A Minimally Invasive Autopsy Strategy During the COVID-19 Pandemic in Brazil, 2020.** Clin Infect Dis 2021; 73:S442-s453Duarte-Neto AN, Ferraz da Silva LF, Monteiro RAA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910174>
3. **Histopathological Evaluation of Deceased Persons in Lusaka, Zambia With or Without Coronavirus Disease 2019 (COVID-19) Infection: Results Obtained From Minimally Invasive Tissue Sampling.** Clin Infect Dis 2021; 73:S465-s471Mudenda V, Mumba C, Pieciak RC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910177>
4. **Minimally Invasive Tissue Sampling Findings in 12 Patients With Coronavirus Disease 2019.** Clin Infect Dis 2021; 73:S454-s464Rakislova N, Rodrigo-Calvo MT, Marimon L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910166>
5. **Lung histopathologic clusters in severe COVID-19: a link between clinical picture and tissue damage.** Crit Care 2021; 25:423Wu MA, Lopez G, Nebuloni M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903264>
6. **Early onset effluvium secondary to COVID-19: A clinical and histological characterization.** J Am Acad Dermatol 2021; Miola AC, Florêncio LC, Ribeiro MEB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906662>
7. **Animal models for SARS-CoV-2 infection and pathology.** MedComm (2020) 2021; 2:548-568Bi Z, Hong W, Yang J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909757>
8. **Skin care and hygiene among healthcare professionals during and after the SARS-CoV-2 pandemic.** SAGE Open Med 2021; 9:20503121211062795Rivers JK, Arlette JP, DeKoven J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917384>
9. **Nigeria's financing of health care during the COVID-19 pandemic: Challenges and recommendations.** World Med Health Policy 2021; Aregbesola BS, Folayan MO. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909238>
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34868898>

Protection (35 articles)

1. **Prospective Pilot Study Evaluating SARS-CoV-2 Transmission-Limiting Measures in an On-Site School.** Acad. Pediatr. 2021; Jani SG, Ma J, Pulendran U *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896273>

- 2. Graphene-Based Technologies for Tackling COVID-19 and Future Pandemics.**
Adv Funct Mater 2021;2107407Afroj S, Britnell L, Hasan T *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899114>
- 3. Environmental Impacts of Personal Protective Clothing Used to Combat COVID- 19.** Adv Sustain Syst 2021;2100176Uddin MA, Afroj S, Hasan T *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901387>
- 4. Chest compression quality during CPR of potential contagious patients wearing personal protection equipment.** Am J Emerg Med 2021; 52:128-131Cekmen B, Bildik B, Bozan O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922231>
- 5. Selective digestive decontamination and COVID-19: Uncertainty in a moving area.** Anaesth Crit Care Pain Med 2021; 41:101009Leone M, Lakbar I, Lopez A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920151>
- 6. Laparoscopic surgery produced less surgical smoke and contamination comparing with open surgery: the pilot study in fresh cadaveric experiment in COVID-19 pandemic.** BMC Surg. 2021; 21:422Taweerutchanan V, Suwatthanarak T, Methasate A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915893>
- 7. Behavior of cough droplets emitted from Covid-19 patient in hospital isolation room with different ventilation configurations.** Build. Environ. 2022; 209:108649Dao HT, Kim KS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898818>
- 8. Preclinical Efficacy and Clinical Feasibility of a Novel Aerosol-Exposure Protection Mask for Esophagogastroduodenoscopy.** Clin Endosc 2021; Makiguchi ME, Abe S, Okagawa Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905818>
- 9. How to translate the knowledge of COVID-19 into the prevention of Omicron variants.** Clin Transl Med 2021; 11:e680Wang X, Powell CA.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898050>
- 10. Spray curtains as devices for surface spraying during the SARS-CoV-2 pandemic.** Environ. Res. 2021; 206:112562Ochowiak M, Włodarczak S, Krupińska A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921823>
- 11. Mask-Wearing Behavior During the COVID-19 Pandemic: A Cross-Cultural Comparison Between the United States and South Korea.** Fam Consum Sci Res J 2021; 50:5-26Chang HJJ, Min S, Woo H, Yurchisin J.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34898974>
- 12. Effect of Wearing Surgical Face Masks During Exercise: Does Intensity Matter?** Front. Physiol. 2021; 12:775750Poon ET, Zheng C, Wong SH.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899397>
- 13. Practical Recommendations for the Preoperative Screening and Protective Protocols in Cancer Surgeries During COVID-19: A Systematic Review.** Front Surg 2021; 8:678700Dorri S, Sari F, Seyedhasani SN *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901132>
- 14. The Usability of Face Coverings Used to Prevent the Spread of COVID-19.** Hum. Factors 2021;187208211051131Robertson I, Kortum P.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34905433>
- 15. Transport and dispersion of tracers simulating COVID-19 aerosols in passenger aircraft.** Indoor Air 2021; Hanna S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921460>
- 16. New low-cost biofilters for SARS-CoV-2 using Hymenachne grumosa as a precursor.** J Clean Prod 2022; 331:130000Demarco CF, Afonso TF, Schoeler GP *et al*

- al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898862>
17. **From anxiety to control: Mask-wearing, perceived marketplace influence, and emotional well-being during the COVID-19 pandemic.** *J Consum Aff* 2021; Schneider AB, Leonard B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908581>
18. **Predominant airborne transmission and insignificant fomite transmission of SARS-CoV-2 in a two-bus COVID-19 outbreak originating from the same pre-symptomatic index case.** *J. Hazard. Mater.* 2022; 425:128051Cheng P, Luo K, Xiao S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910996>
19. **The role of behavioural immune system and belief in COVID-19 misinformation on COVID-19 protective behaviours in Indonesia.** *J Health Psychol* 2021;13591053211037730Prawira B, Pratama AJ, Bella A, Nuraini S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894810>
20. **Consumer's demand for Disinfectants and Protective Gear from COVID-19 infection in Al-Hofuf, Saudi.** *J Infect Dev Ctries* 2021; 15:1618-1624Al-Mahish M, AlDossari N, Almarri A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898488>
21. **"Swab Team" in the SARS-CoV-2 outbreak containment among healthcare workers.** *J Infect Dev Ctries* 2021; 15:1640-1645Bussu F, Rizzo D, Saderi L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898491>
22. **The 'haves' and 'have-nots' of personal protective equipment during the COVID-19 pandemic: the ethics of emerging inequalities amongst healthcare workers.** *J. Med. Ethics* 2021; Shelton C, El-Boghdadly K, Appleby JB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921122>
23. **Evaluation of the effects of repeated disinfection on medical exam gloves: Part 1. Changes in physical integrity.** *J. Occup. Environ. Hyg.* 2021;1-11Shless J, Crider Y, Pitchik H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895086>
24. **COVID-19 pandemic: determinants of workplace preventive practice among primary healthcare workers in Sabah, Malaysia.** *J. Prev. Med. Hyg.* 2021; 62:E605-e612Jiee SF, Jantim A, Mohamed AF, Emiral ME. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909486>
25. **SARS-CoV-2 (COVID-19) and the Teaching of Ignaz Semmelweis and Florence Nightingale: a Lesson of Public Health from History, after the "Introduction of Handwashing" (1847).** *J. Prev. Med. Hyg.* 2021; 62:E621-e624Martini M, Lippi D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909488>
26. **Reopening the Bavarian State Opera Safely: Hygiene Strategies and Incidence of COVID-19 in Artistic Staff During Theater Season 2020/2021.** *J. Voice* 2021; Graf S, Engelmann L, Jeleff Wölfle O *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906415>
27. **Face mask detection and classification via deep transfer learning.** *Multimed Tools Appl* 2021;1-20Su X, Gao M, Ren J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903950>
28. **Determinants of restaurant consumers' intention to practice COVID-19 preventive behavior: an application of the theory of planned behavior.** *Nutr. Res. Pract.* 2021; 15:S79-s93Jeong JY, Lee H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909135>
29. **[Covid-19 protections and social life limitations in nursing homes - Analysis of prescriptions and survey data].** *Pflege* 2021; Gangnus A, Hering C, Kohl R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894714>
30. **How can biophotonics help dentistry to avoid or minimize cross infection by SARS-CoV-2? Photodiagnosis Photodyn. Ther.** 2021; 37:102682Besegato JF, de

Melo PBG, Tamae PE *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910994>

31. **Impact of COVID-19 public health safety measures on births in Scotland between March and May 2020.** [Public Health 2021; 202:76-79](https://pubmed.ncbi.nlm.nih.gov/34922177/) Speyer LG, Marryat L, Auyeung B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922177>
32. **Facemasks during aerobic exercise: Implications for cardiac rehabilitation programs during the Covid-19 pandemic.** [Rev Port Cardiol \(Engl Ed\) 2021; 40:957-964](https://pubmed.ncbi.nlm.nih.gov/34922704/) Pimenta T, Tavares H, Ramos J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922704>
33. **The impact of social distancing on community case count in the United States: Testing the efficacy of protection motivation theory during early stages of the COVID-19 pandemic.** [Risk Hazards Crisis Public Policy 2021; 12:303-327](https://pubmed.ncbi.nlm.nih.gov/34909111/) Yeom M, Stewart F, Stewart A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909111>
34. **Coming together after standing apart: What predicts felt safety in the post-coronavirus crowd?** [Soc. Sci. Med. 2021; 293:114649](https://pubmed.ncbi.nlm.nih.gov/34906827/) Morton TA, Power SA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906827>
35. **Conservatism and infrequent mask usage: A study of US counties during the novel coronavirus (COVID-19) pandemic.** [Soc Sci Q 2021; 102:2368-2382](https://pubmed.ncbi.nlm.nih.gov/34908612/) Gonzalez KE, James R, Bjorklund ET, Hill TD. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908612>

Pulmonary disease (23 articles)

1. **Impact of coronavirus disease 2019 pandemic on frequency and severity of asthma exacerbations in an inner-city population.** [Ann. Allergy. Asthma. Immunol. 2021; Fischell SZ, Fischell JM, Olexa G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923126>](https://pubmed.ncbi.nlm.nih.gov/34923126/)
2. **Bilateral spontaneous pneumothorax in critically-ill COVID-19 infants: About two cases.** [Ann Med Surg \(Lond\) 2022; 73:103172](https://pubmed.ncbi.nlm.nih.gov/34904055/) Laaribi I, Mimouni H, Bouayed Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904055>
3. **Pulmonary cavitation in a patient with coronavirus disease 2019 during lenvatinib treatment for thyroid carcinoma: a case report.** [Ann Palliat Med 2021; Toda S, Matsui A, Yasukawa M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894706>](https://pubmed.ncbi.nlm.nih.gov/34894706/)
4. **SARS-CoV-2 infection triggers profibrotic macrophage responses and lung fibrosis.** [Cell 2021; 184:6243-6261.e6227](https://pubmed.ncbi.nlm.nih.gov/34914922/) Wendisch D, Dietrich O, Mari T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914922>
5. **'Pleural Triage' facilitates effective management of a pleural service in the COVID-19 era.** [Chron. Respir. Dis. 2021; 18:14799731211066507](https://pubmed.ncbi.nlm.nih.gov/34913397/) Ajmal S, Stockbridge A, Vella C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913397>
6. **Lung histopathologic clusters in severe COVID-19: a link between clinical picture and tissue damage.** [Crit Care 2021; 25:423](https://pubmed.ncbi.nlm.nih.gov/34903264/) Wu MA, Lopez G, Nebuloni M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903264>
7. **Canagliflozin Markedly Decreased Proteinuria in a Patient With IgA Nephropathy.** [Cureus 2021; 13:e19446](https://pubmed.ncbi.nlm.nih.gov/34912597/) Aameish M, Jovanovic M, John MA, Baumstein D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912597>
8. **Meropenem-Resistant *Pandoraea* Pneumonia in a Critically Ill Patient With COVID-19.** [Cureus 2021; 13:e19498](https://pubmed.ncbi.nlm.nih.gov/34912637/) Dlewati MM, Aung PP, Park K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912637>

- 9. Editorial: Host Innate Immune Response and Its Impact on Pulmonary Pathogenesis During Influenza Virus Infection.** *Front Cell Infect Microbiol* 2021; 11:779411Tan YJ, Huber VC, Hottz ED. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900758>
- 10. Activation of Intracellular Complement in Lungs of Patients With Severe COVID-19 Disease Decreases T-Cell Activity in the Lungs.** *Front. Immunol.* 2021; 12:700705Howell MC, Green R, McGill AR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899680>
- 11. Reversible Bronchiectasis in COVID-19 Survivors With Acute Respiratory Distress Syndrome: Pseudobronchiectasis.** *Front Med (Lausanne)* 2021; 8:739857Hu Q, Liu Y, Chen C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917630>
- 12. Pulmonary Hypertensive Changes Secondary to COVID-19 Pneumonia in a Chronically SARS-CoV-2-Infected Bilateral Lung Explant.** *Int. J. Surg. Pathol.* 2021;10668969211064208Rohr JM, Strah H, Berkheim D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894817>
- 13. New-onset Polymyalgia Rheumatica Following the Administration of the Pfizer-BioNTech COVID-19 Vaccine.** *Intern Med* 2021; Osada A, Sakuragi C, Toya C, Mitsuo A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897152>
- 14. Clinical outcomes among hospitalized US adults with asthma or chronic obstructive pulmonary disease, with or without COVID-19.** *J. Asthma* 2021;1-11Cornwell CR, Hsu J, Tompkins LK *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902258>
- 15. The lived experience of adherence to asthma medication in young adults (18-34 years).** *J. Asthma* 2021;1-16Wadhahi AA, Garvey L, Edward KL, Beasley C. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902272>
- 16. Pneumothorax with Bullous Lesions as a Late Complication of Covid-19 Pneumonia: A Report on Two Clinical Cases.** *J. Emerg. Med.* 2021; 61:581-586Schiller M, Wunsch A, Fisahn J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916057>
- 17. Influence of smoking history on the evolution of hospitalized in COVID-19 positive patients: results from the SEMI-COVID-19 registry.** *Med Clin (Barc)* 2021; Navas Alcántara MS, Montero Rivas L, Guisado Espartero ME *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895891>
- 18. Pulmonary vascular system: A vulnerable target for COVID-19.** *MedComm (2020)* 2021; 2:531-547Ai J, Hong W, Wu M, Wei X. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909758>
- 19. Characterization of respiratory illness surge (April-June 2021) post-COVID-19 lockdown.** *Pediatr Pulmonol* 2021; Masarweh K, Gur M, Bar-Yoseph R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914208>
- 20. Clinical outcomes in patients with COPD hospitalized with SARS-CoV-2 versus non- SARS-CoV-2 community-acquired pneumonia.** *Respir. Med.* 2021; 191:106714Sheikh D, Tripathi N, Chandler TR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915396>
- 21. Letter from Chile.** *Respirology* 2021; Del Valle MF, Valenzuela J, Godoy L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913226>
- 22. [Factors associated with tobacco use in patients with asthma during the confinement due to COVID-19 in an urban region with high numbers of SARS-CoV-2 infections].** *Rev. Alerg. Mex.* 2021; 68:218-224Vázquez EM, Vázquez-

Rodríguez CF, Ortega-Betancourt NV *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904557>

23. **Krebs von den Lungen-6 (KL-6) as a clinical marker for severe COVID-19: A systematic review and meta-analyses.** *Virology* 2022; 566:106-113Naderi N, Rahimzadeh M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896901>

Renal disease (13 articles)

1. **True effect of monoclonal antibody for COVID-19 in kidney transplant recipients.** *Am J Transplant* 2021; Khatri A, Raja M, Guerra G, Natori Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897967>
2. **Successful treatment of a kidney transplant patient with COVID-19 and late-onset Pneumocystis jirovecii pneumonia.** *Ann. Clin. Microbiol. Antimicrob.* 2021; 20:83Peng J, Ni M, Du D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911528>
3. **Easing of Regulatory Barriers to Telemedicine Abortion in Response to COVID-19.** *Front Glob Womens Health* 2021; 2:705611Skuster P, Dhillon J, Li J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901929>
4. **Case Report: Tocilizumab for Acute Kidney Graft Dysfunction in Patient Affected by COVID-19.** *Front Med (Lausanne)* 2021; 8:732792Barbara I, Silvia M, Dario T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901054>
5. **The Influences of COVID-19 on Patients With Chronic Kidney Disease: A Multicenter Cross-Sectional Study.** *Front Psychiatry* 2021; 12:754310Jiang Z, Liu J, Geng L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899421>
6. **Immunosuppressive therapy reduction and early post-infection graft function in kidney transplant recipients with COVID-19.** *G Ital Nefrol* 2021; 38Alfano G, Damiano F, Fontana F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919795>
7. **Impact of cardiometabolic multimorbidity and ethnicity on cardiovascular/renal complications in patients with COVID-19.** *Heart* 2021; Norris T, Razieh C, Zaccardi F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911741>
8. **The early start of hemoperfusion decreases the mortality rate among severe COVID-19 patients: A preliminary study.** *Hemodial Int* 2021; Mikaeili H, Taghizadieh A, Nazemiyyeh M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907633>
9. **Omicron variant (B.1.1.529) of SARS-CoV-2: Threat assessment and plan of action.** *Int J Surg* 2022; 97:106187Choudhary OP, Dhawan M, Priyanka. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896627>
10. **Long-Term Follow up of Renal and Other Acute Organ Failure in Survivors of Critical Illness Due to Covid-19.** *J. Intensive Care Med.* 2021;8850666211062582Chand S, Kapoor S, Naqvi A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918990>
11. **Case series: coronavirus disease 2019 infection as a precipitant of atypical hemolytic uremic syndrome: two case reports.** *J Med Case Rep* 2021; 15:587Kurian CJ, French Z, Kuklich P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903272>
12. **[COVID 19 and myoclonus, do hemodialysis patients have more risk?].** *Nefrologia* 2021; Heres SVP, Fosalba NA, Prieto AB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898785>

- 13. The COVID-19 Pandemic and Access to Healthcare in People with Chronic Kidney Disease: a Systematic Review and Meta-analysis.** [Nephrology \(Carlton\)](#). 2021; Deng D, Liang A, Chui JN et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921475>

Reviews (46 articles)

- 1. Commentary: Morphoproteomics and Data Mining of the Medical Literature Define the Pathobiology of COVID-19 Pneumonitis in Humans and Provide Adjuvant Therapeutic Options.** [Ann. Clin. Lab. Sci.](#) 2021; 51:890-893Brown RE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921044>
- 2. Association of pulmonary embolism and acute coronary syndrome during COVID-19 infection: Case report and a brief review.** [Ann Med Surg \(Lond\)](#) 2022; 73:103152Boudihi A, Derar C, Mazouzi M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900243>
- 3. Traumatic orthopedic consultations in COVID-19 inpatients - A cross sectional analysis of results and a review of lessons in tele-orthopedics.** [Ann Med Surg \(Lond\)](#) 2022; 73:103155Jarragh A, Lari A, Al-Shatti A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900245>
- 4. Prevalence, classification, risk factors and outcome impact of delirium in patients with COVID-19: a meta-analysis protocol for systematic review.** [BMJ Open](#) 2021; 11:e048323Lou B, Guo J, Liu Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903533>
- 5. The experience of caregivers of chronically ill patients during the COVID-19: A Systematic Review.** [Chronic Illn](#) 2021;17423953211064854Ruksakulpiwat S, Zhou W, Phianhasin L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898282>
- 6. Thrombosis with Thrombocytopenia Syndrome After Administration of AZD1222 or Ad26.COV2.S Vaccine for COVID-19: A Systematic Review.** [Clin. Appl. Thromb. Hemost.](#) 2021; 27:10760296211068487Waqar U, Ahmed S, Gardezi S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907794>
- 7. Effect of social isolation on oral health status - A systematic review.** [Community Dent. Health](#) 2021; Lages FS, Douglas-de-Oliveira DW. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902231>
- 8. The Pathobiological Basis for Thrombotic Complications in COVID-19: a Review of the Literature.** [Curr Pathobiol Rep](#) 2021:1-11Hoteit L, Deeb AP, Andraska EA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900401>
- 9. A review of the rational and current evidence on colchicine for COVID-19.** [Curr. Pharm. Des.](#) 2021; Ghaith HS, Gabra MD, Nafady MH et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895117>
- 10. Worldwide beliefs among pregnant women on SARS-CoV-2 vaccine: a systematic review.** [Eur. J. Obstet. Gynecol. Reprod. Biol.](#) 2022; 268:144-164Carbone L, Di Girolamo R, Mappa I et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920272>
- 11. Lung detection and severity prediction of pneumonia patients based on COVID-19 DET-PRE network.** [Expert Rev. Med. Devices](#) 2021:1-10Zhang J, Yan Y, Ni H, Ni Z. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894969>
- 12. The role of contemporary digital tools and technologies in Covid-19 crisis: An exploratory analysis.** [Expert Syst](#) 2021; Subramanian M, Shanmuga Vadivel K, Hatamleh WA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898797>

- 13. Long COVID 19 Syndrome: Is It Related to Microcirculation and Endothelial Dysfunction? Insights From TUN-EndCOV Study.** *Front Cardiovasc Med* 2021; 8:745758Charfeddine S, Ibn Hadj Amor H, Jdidi J et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917659>
- 14. COVID-19 Vaccine-Related Thrombosis: A Systematic Review and Exploratory Analysis.** *Front. Immunol.* 2021; 12:729251Bilotta C, Perrone G, Adelfio V et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34912330>
- 15. Corona Virus Disease 2019 (COVID-19) as a System-Level Infectious Disease With Distinct Sex Disparities.** *Front. Immunol.* 2021; 12:778913Emadi-Baygi M, Ehsanifard M, Afrashtehpour N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912345>
- 16. Neuroinflammation and Its Impact on the Pathogenesis of COVID-19.** *Front Med (Lausanne)* 2021; 8:745789Almutairi MM, Sivandzade F, Albekairi TH et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901061>
- 17. Editorial: Coronavirus Disease (COVID-19): Pathophysiology, Epidemiology, Clinical Management and Public Health Response.** *Front Public Health* 2021; 9:807159Doolan DL, Kozlakidis Z, Zhang Z et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917586>
- 18. Food Access, Diet Quality, and Nutritional Status of Older Adults During COVID-19: A Scoping Review.** *Front Public Health* 2021; 9:763994Nicklett EJ, Johnson KE, Troy LM et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917577>
- 19. Practical Recommendations for the Preoperative Screening and Protective Protocols in Cancer Surgeries During COVID-19: A Systematic Review.** *Front Surg* 2021; 8:678700Dorri S, Sari F, Seyedhasani SN et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901132>
- 20. COVID-19 mRNA vaccine in pregnancy and newborn passive immunization: a case report.** *Future Sci OA* 2022; 8:Fso761Kassis NE, Abdallah W, Chakra RA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900336>
- 21. SARS-CoV-2 vaccine response in CAR T-cell therapy recipients: A systematic review and preliminary observations.** *Hematol. Oncol.* 2021; Abid MA, Abid MB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911142>
- 22. The relationship between COVID-19 viral load and disease severity: A systematic review.** *Immun Inflamm Dis* 2021; Dadras O, Afsahi AM, Pashaei Z et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904379>
- 23. Baricitinib combination therapy: a narrative review of repurposed Janus kinase inhibitor against severe SARS-CoV-2 infection.** *Infection* 2021;1-14Akbarzadeh-Khiavi M, Torabi M, Rahbarnia L, Safary A.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34902115>
- 24. International psychological research addressing the early phase of the COVID-19 pandemic: A rapid scoping review and implications for global psychology.** *Int. J. Psychol.* 2021; Obschonka M, Cai Q, Chan ACY et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904220>
- 25. Different Respiratory Samples for COVID-19 Detection by Standard and Direct Quantitative RT-PCR: A Literature Review.** *Iran J Pharm Res* 2021; 20:285-299Ahmadzadeh M, Vahidi H, Mahboubi A et al.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903989>
- 26. COVID-19 Isolation and Contact Tracing with Country Samples: A Systematic Review.** *Iran J. Public Health* 2021; 50:1547-1554Koçak C.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917525>

- 27. A case of Hemophagocytic lymphohistiocytosis induced by COVID-19, and review of all cases reported in the literature.** *J Infect Dev Ctries* 2021; 15:1607-1614Kayaaslan BU, Asilturk D, Eser F et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898486>
- 28. Delirium and other neuropsychiatric manifestations of COVID-19 infection in people with preexisting psychiatric disorders: a systematic review.** *J Med Case Rep* 2021; 15:586van Reekum EA, Rosic T, Sergeant A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903299>
- 29. Where all the Roads Meet? A Crossover Perspective on Host Factors Regulating SARS-CoV-2 infection.** *J. Mol. Biol.* 2021; 434:167403Lata S, Mishra R, Arya RP et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914966>
- 30. COVID-19 and Spanish flu-18: review of medical and social parallelisms between two global pandemics.** *J. Prev. Med. Hyg.* 2021; 62:E613-e620Simonetti O, Martini M, Armocida E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909487>
- 31. Risk Factors for Postpartum Depression During COVID-19 Pandemic: A Systematic Literature Review.** *J. Prim. Care Community Health* 2021; 12:21501327211059348Usmani S, Greca E, Javed S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894838>
- 32. COVID-19: Invasion, pathogenesis and possible cure - A review.** *J. Virol. Methods* 2022; 300:114434P N, R N, B V et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919978>
- 33. Goodbye, 2021: a year of failures interspersed with remarkable triumphs.** *Med. J. Aust.* 2021; 215:492-497Talley NJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897723>
- 34. Status of COVID-19 Pandemic Before the Administration of Vaccine.** *Methods Mol. Biol.* 2022; 2410:93-108Thomas S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914043>
- 35. Challenges for Vaccinologists in the First Half of the Twenty-First Century.** *Methods Mol. Biol.* 2022; 2410:3-25Thomas S, Abraham A, Callaghan PJ, Rappuoli R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914040>
- 36. How COVID-19 can cause autonomic dysfunctions and postural orthostatic syndrome? A Review of mechanisms and evidence.** *Neurol Clin Neurosci* 2021; 9:434-442Hassani M, Fathi Jouzdani A, Motarjem S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909198>
- 37. Severe hypertransaminasemia during mild SARS-CoV-2 infection: A pediatric case report and literature review.** *Pediatr Investig* 2021; 5:e12300Palpacelli A, Martelli G, Lattanzi B et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909233>
- 38. First wave of SARS-COV2 in Europe: Study and typology of the 15 worst affected European countries.** *Popul Space Place* 2021:e2534Tragaki A, Richard JL. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899095>
- 39. Not the great equalizers: Covid-19, 1918-20 influenza, and the need for a paradigm shift in pandemic preparedness.** *Popul Stud (Camb)* 2021; 75:179-199Mamelund SE, Dimka J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902275>
- 40. Risk Perceptions, Knowledge and Behaviors of General and High-Risk Adult Populations Towards COVID-19: A Systematic Scoping Review.** *Public Health Rev.* 2021; 42:1603979Clavel N, Badr J, Gautier L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909234>
- 41. Cardiac complications following mRNA COVID-19 vaccines: A systematic review of case reports and case series.** *Rev Med Virol* 2021:e2318Fazlollahi A,

- Zahmatyar M, Noori M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921468>
- 42. The contested meaning of "long COVID" - Patients, doctors, and the politics of subjective evidence.** *Soc. Sci. Med.* 2022; 292:114619Roth PH, Gadebusch-Bondio M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906823>
- 43. Virology of SARS-CoV-2 and management of nCOVID-19 utilizing immunomodulation properties of human mesenchymal stem cells-a literature review.** *Stem Cell Investig.* 2021; 8:23Sachdeva K, Kumar A, Mohanty S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917676>
- 44. The therapeutic potential of the novel angiotensin-converting enzyme 2 in the treatment of coronavirus disease-19.** *Vet World* 2021; 14:2705-2713Oyagbemi AA, Ajibade TO, Aboua YG *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903929>
- 45. Impact of COVID-19 pandemic on radiology education, training, and practice: A narrative review.** *World J Radiol.* 2021; 13:354-370Majumder MAA, Gaur U, Singh K *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904050>
- 46. COVID-19 (SARS-CoV-2 infection) in lymphoma patients: A review.** *World J Virol.* 2021; 10:312-325Bonomo V, Ferrarini I, Dell'Eva M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909405>

Risk factors (59 articles)

- 1. Predicting 90-day survival of patients with COVID-19: Survival of Severely Ill COVID (SOSIC) scores.** *Ann Intensive Care* 2021; 11:170Schmidt M, Guidet B, Demoule A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897559>
- 2. IgG antibody titers against SARS-CoV-2 nucleocapsid protein correlate with the severity of COVID-19 patients.** *BMC Microbiol.* 2021; 21:351Yang L, Xu Q, Yang B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922455>
- 3. The isolated effect of age on the risk of COVID-19 severe outcomes: a systematic review with meta-analysis.** *BMJ Glob Health* 2021; 6Romero Starke K, Reissig D, Peterleit-Haack G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916273>
- 4. Increased risk of COVID-19-related admissions in patients with active solid organ cancer in the West Midlands region of the UK: a retrospective cohort study.** *BMJ Open* 2021; 11:e053352Akingboye A, Mahmood F, Amiruddin N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903546>
- 5. Prognostic value of circulating calprotectin levels on the clinical course of COVID-19 differs between serum, heparin, EDTA and citrate sample types.** *Clin Chim Acta* 2021; 525:54-61Nevejan L, Strypens T, Van Nieuwenhove M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919937>
- 6. Prognostic value of circulating calprotectin levels on the clinical course of COVID-19 differs between serum, heparin, EDTA and citrate sample types.** *Clin Chim Acta* 2022; 525:54-61Nevejan L, Strypens T, Van Nieuwenhove M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919937>
- 7. Effects of vitamin D receptor gene polymorphisms on the prognosis of COVID-19.** *Clin. Endocrinol. (Oxf.)* 2021; Apaydin T, Polat H, Dincer Yazan C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919268>
- 8. Risk sharing on Twitter: Social amplification and attenuation of risk in the early stages of the COVID-19 pandemic.** *Comput. Human Behav.* 2022;

- 126:106983Zhang XA, Cozma R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898837>
9. **Risk and implications of COVID-19 among the community supervised population.** *Criminol Public Policy* 2021; 20:437-461Gutierrez C, Patterson EJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899090>
10. **Hyperglycemia and insulin resistance in COVID-19 versus non-COVID critical illness: Are they really different?** *Crit Care* 2021; 25:437Langouche L, Van den Berghe G, Gunst J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920750>
11. **Plasma Apolipoproteins A1/B and OxLDL Levels in Patients with Covid-19 As Possible Markers of the Disease.** *Cytol Genet* 2021; 55:519-523Pushkarev VV, Sokolova LK, Chervyakova SA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898734>
12. **Duration of SARS-CoV-2 viremia and its correlation to mortality and inflammatory parameters in patients hospitalized for COVID-19: a cohort study.** *Diagn. Microbiol. Infect. Dis.* 2021; 102:115595Hagman K, Hedenstierna M, Rudling J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896666>
13. **Association between olfactory dysfunction and COVID-19 severity: A prospective study in a highly complex hospital in Peru.** *Ear Nose Throat J* 2021;1455613211066691Alcas O, Saldaña D, Triveño A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908507>
14. **SARS-CoV-2 Seroprevalence in Individuals With Type 1 and Type 2 Diabetes Compared With Controls.** *Endocr. Pract.* 2021; Goyal A, Gupta Y, Kalaivani M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920109>
15. **Predicting the risk of severe COVID-19 outcomes in primary care: development and validation of a vulnerability index for equitable allocation of effective vaccines.** *Expert Rev Vaccines* 2021;1-8Lapi F, Domnich A, Marconi E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913796>
16. **Hematologic and coagulopathy parameter as a survival predictor among moderate to severe COVID-19 patients in non- ICU ward: a single-center study at the main referral hospital in Surabaya, East Java, Indonesia.** *F1000Res* 2021; 10:791Bintoro SUY, Dwijayanti NMI, Pramudya D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904053>
17. **Correlation between anti-hypertensive drugs and disease progression among moderate, severe, and critically ill COVID-19 patients in the second referral hospital in Surabaya: A retrospective cohort study.** *F1000Res* 2021; 10:393Suryantoro SD, Thaha M, Hayati MR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912542>
18. **COVID-19 impact on commodity futures volatilities.** *Financ Res Lett* 2021;102624Zhang Y, Wang R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903953>
19. **IL 33 Correlates With COVID-19 Severity, Radiographic and Clinical Finding.** *Front Med (Lausanne)* 2021; 8:749569Markovic SS, Jovanovic M, Gajovic N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917631>
20. **Carnitine and COVID-19 Susceptibility and Severity: A Mendelian Randomization Study.** *Front Nutr* 2021; 8:780205Li C, Ou R, Wei Q, Shang H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901126>
21. **Cancer-Related Characteristics Associated With Invasive Mechanical Ventilation or In-Hospital Mortality in Patients With COVID-19 Admitted to ICU:**

- A Cohort Multicenter Study.** *Front. Oncol.* 2021; 11:746431Caruso P, Testa RS, Freitas ICL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917502>
- 22. Gender Bias in Artificial Intelligence: Severity Prediction at an Early Stage of COVID-19.** *Front. Physiol.* 2021; 12:778720Chung H, Park C, Kang WS, Lee J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912242>
- 23. The Disease Severity and Clinical Outcomes of the SARS-CoV-2 Variants of Concern.** *Front Public Health* 2021; 9:775224Lin L, Liu Y, Tang X, He D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917580>
- 24. Relationship between AB0 blood groups and selected pregnancy conditions and neonatal diseases.** *Ginekol. Pol.* 2021; 92:818-821Cendal IM, Krolak-Olejnik B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907520>
- 25. COVID-19 outcomes of patients with gynecologic cancer in New York City: An updated analysis from the initial surge of the pandemic.** *Gynecol. Oncol.* 2021; Lara OD, Smith M, Wang Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922769>
- 26. ACE and ACE2: insights from Drosophila and implications for COVID-19.** *Heliyon* 2021; 7:e08555Herrera P, Cauchi RJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901515>
- 27. The relationship between COVID-19 viral load and disease severity: A systematic review.** *Immun Inflamm Dis* 2021; Dadras O, Afsahi AM, Pashaei Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904379>
- 28. Neutrophil-to-lymphocyte and Platelet-to-lymphocyte Ratios in those with Pulmonary Embolism in the Course of Coronavirus Disease 2019.** *Indian J. Crit. Care Med.* 2021; 25:1133-1136Akkus C, Yilmaz H, Duran R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916745>
- 29. The COSEVAST Study Outcome: Evidence of COVID-19 Severity Proportionate to Surge in Arterial Stiffness.** *Indian J. Crit. Care Med.* 2021; 25:1113-1119Kumar N, Kumar S, Kumar A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916742>
- 30. Prognostic role of Interleukin-6/lymphocytes ratio in SARS-CoV2 related pneumonia.** *Int Immunopharmacol* 2021; 103:108435Masotti L, Grifoni E, Pelagalli G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920336>
- 31. 90-day mortality and clinical outcomes of patients with solid tumours and COVID-19 infection during the first pandemic outbreak in Catalonia, Spain: a multicentre retrospective study.** *Int. J. Cancer* 2021; Tapia JC, Gavira J, López A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921732>
- 32. Vascular thrombosis and vasculitis in the gastrointestinal tract are associated with poor prognosis in patients with COVID-19.** *Int. J. Clin. Exp. Pathol.* 2021; 14:1069-1079Cui M, Wang Q, Xin AW *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900075>
- 33. Effect of comorbidities and risk conditions on death from COVID-19 in migrants in Mexico.** *Int J Equity Health* 2021; 20:257Martínez-Martínez OA, Valenzuela-Moreno KA, Coutiño B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922533>
- 34. The Impact of Diabetes Mellitus and Hyperglycemia on the Severity and Outcome of Patients with COVID-19 Disease: A Single-Center Experience.** *Int. J. Gen. Med.* 2021; 14:9445-9457Al Argan R, Alkhafaji D, Al Elq A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908871>
- 35. Image and structured data analysis for prognostication of health outcomes in patients presenting to the ED during the COVID-19 pandemic.** *Int. J. Med.*

- Inform. 2021; 158:104662Butler L, Karabayir I, Samie Tootooni M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923448>
- 36. Association between Thyroid Disease and Severe Coronavirus Disease 2019 (COVID-19) Infection: A Meta-Analysis.** Iran J. Public Health 2021; 50:1517-1525Xu J, Li Y, Xia Q, Shi Q. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917522>
- 37. Combined Blood Indexes of Systemic Inflammation as a Mirror to Admission to Intensive Care Unit in COVID-19 Patients: A Multicentric Study.** J Epidemiol Glob Health 2021;1-10Hamad DA, Aly MM, Abdelhameid MA *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904189>
- 38. High SARS-CoV-2 viral load and low CCL5 expression levels in the upper respiratory tract are associated with COVID-19 severity.** J Infect Dis 2021; Pérez-García F, Martin-Vicente M, Rojas-García RL *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34910814>
- 39. Glycemic control is associated with lower odds of mortality and successful extubation in severe COVID-19.** J Osteopath Med 2021; Pescatore JM, Sarmiento J, Hernandez-Acosta RA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908253>
- 40. Relationship of chest computed tomography score with disease severity and laboratory values in children with COVID-19.** J. Paediatr. Child Health 2021; Çetin C, Karaaslan A, Akın Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902194>
- 41. Relation of vitamin D to COVID-19.** J. Virol. Methods 2021; 301:114418Saxena P, Nigam K, Mukherjee S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919979>
- 42. Strong relationship between cholesterol, low-density lipoprotein receptor, Na(+)/H(+) exchanger, and SARS-COV-2: this association may be the cause of death in the patient with COVID-19.** Lipids Health Dis. 2021; 20:179Cure E, Cumhur Cure M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895256>
- 43. Influence of smoking history on the evolution of hospitalized in COVID-19 positive patients: results from the SEMI-COVID-19 registry.** Med Clin (Barc) 2021; Navas Alcántara MS, Montero Rivas L, Guisado Espartero ME *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34895891>
- 44. Evaluation of N/LP Ratio as a Predictor of Disease Progression and Mortality in COVID-19 Patients Admitted to the Intensive Care Unit.** Medeni Med J 2021; 36:241-248Cakir Guney B, Hayiroglu M, Senocak D *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915683>
- 45. 25-Hydroxyvitamin D level is associated with mortality in patients with critical COVID-19: a prospective observational study in Mexico City.** Nutr. Res. Pract. 2021; 15:S32-s40Parra-Ortega I, Alcara-Ramírez DG, Ronzon-Ronzon AA *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909131>
- 46. Performance of the inFLUenza Patient-Reported Outcome Plus (FLU-PRO Plus) Instrument in Patients With Coronavirus Disease 2019.** Open Forum Infect Dis 2021; 8:ofab517Richard SA, Epsi NJ, Pollett S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901299>
- 47. COVID-19 Outcomes Among US Military Health System Beneficiaries Include Complications Across Multiple Organ Systems and Substantial Functional Impairment.** Open Forum Infect Dis 2021; 8:ofab556Richard SA, Pollett SD, Lanteri CA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909439>
- 48. Prediction of asymptomatic COVID-19 infections based on complex network.** Optim Control Appl Methods 2021; Chen Y, He H, Liu D *et al.*

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34908628>

49. **Lymphopenia: A useful predictor of COVID-19 disease severity and mortality.** [Pak J Med Sci 2021; 37:1984-1988](http://www.ncbi.nlm.nih.gov/pubmed/?term=34912430) Toori KU, Qureshi MA, Chaudhry A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912430>
50. **Risk factors associated with prolonged viral clearance in patients with a refractory course of COVID-19: a retrospective study.** [PeerJ 2021; 9:e12535](http://www.ncbi.nlm.nih.gov/pubmed/?term=34900440) Zhuang W, Huang S, Wang D et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900440>
51. **Adverse reactions to BNT162b2 mRNA COVID-19 vaccine in medical staff with a history of allergy.** [Respir Investig 2021; Inoue S, Igarashi A, Morikane K et al.](http://www.ncbi.nlm.nih.gov/pubmed/?term=34920980) <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920980>
52. **[Factors associated to death in patients hospitalized due to COVID-19]. Rev. Med. Inst. Mex. Seguro Soc. 2021; 59:423-430** Ángeles-Garay U, Velázquez-García JA, Hernández-González C et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918895>
53. **"I wouldn't survive it, as simple as that": Syndemic vulnerability among people living with chronic non-communicable disease during the COVID-19 pandemic.** [SSM Qual Res Health 2022; 2:100032](http://www.ncbi.nlm.nih.gov/pubmed/?term=34909754) Wildman JM, Morris S, Pollard T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909754>
54. **Analyzing Correlation of Clinical Severity of COVID-19 with Other Biochemical Parameters: A Retrospective Study from Pakistan.** [Tohoku J. Exp. Med. 2021; 255:315-323](http://www.ncbi.nlm.nih.gov/pubmed/?term=34911879) Hassan Shah SST, Naeem I, Wahid B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911879>
55. **Highly mutated SARS-CoV-2 Omicron variant sparks significant concern among global experts - What is known so far?** [Travel Med Infect Dis 2021; 45:102234](http://www.ncbi.nlm.nih.gov/pubmed/?term=34896326) Poudel S, Ishak A, Perez-Fernandez J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896326>
56. **Prior COVID-19 infection is associated with increased Adverse Events (AEs) after the first, but not the second, dose of the BNT162b2/Pfizer vaccine.** [Vaccine 2022; 40:418-423](http://www.ncbi.nlm.nih.gov/pubmed/?term=34895935) Raw RK, Rees J, Kelly CA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895935>
57. **Krebs von den Lungen-6 (KL-6) as a clinical marker for severe COVID-19: A systematic review and meta-analyses.** [Virology 2022; 566:106-113](http://www.ncbi.nlm.nih.gov/pubmed/?term=34896901) Naderi N, Rahimzadeh M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896901>
58. **ASSOCIATION BETWEEN LEUKOCYTES COUNT AND THE SEVERITY OF COVID-19 INFECTION.** [Wiad. Lek. 2021; 74:2417-2422](http://www.ncbi.nlm.nih.gov/pubmed/?term=34896997) Ajmi AH, Abdul-Kareem Abbas W, Basil Hanna D, Abdul Khaleq MA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896997>
59. **SEVERITY OF LUNG DAMAGE ASSESSED BY CT-SCAN IN RELATION TO D-DIMER LEVEL IN COVID-19.** [Wiad. Lek. 2021; 74:2400-2406](http://www.ncbi.nlm.nih.gov/pubmed/?term=34896994) Ridha Alnowfal MA, Almubarak N, Jeber MA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896994>

Safety (54 articles)

1. **Can families believe the accuracy of websites' information regarding COVID-19 vaccines' side effects?** [Arch. Dis. Child. 2021; Harvey-Nguyen L, Tuthill D.](http://www.ncbi.nlm.nih.gov/pubmed/?term=34906965) <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906965>
2. **First diagnosis of thrombotic thrombocytopenic purpura after SARS-CoV-2 vaccine - case report.** [BMC Nephrol. 2021; 22:411](http://www.ncbi.nlm.nih.gov/pubmed/?term=34896992) Osmanodja B, Schreiber A,

Schrezenmeier E, Seelow E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895163>

3. **A case report of ChAdOx1 nCoV-19 vaccine-associated encephalitis.** BMC Neurol. 2021; 21:485Takata J, Durkin SM, Wong S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903200>
4. **Venous sinus thrombosis after the second jab of an mRNA-based SARS-CoV-2 vaccine.** Brain Hemorrhages 2021; Finsterer J, Nics S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901793>
5. **Recurrence of myopericarditis following mRNA COVID-19 vaccination in a male adolescent.** CJC Open 2021; Umei TC, Kishino Y, Shiraishi Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904134>
6. **Neuroleptic malignant syndrome associated with COVID-19 vaccination.** Cjem 2021;1-2Nagamine T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919205>
7. **Caution in Using the Activated Partial Thromboplastin Time to Monitor Argatroban in COVID-19 and Vaccine-Induced Immune Thrombocytopenia and Thrombosis (VITT).** Clin. Appl. Thromb. Hemost. 2021; 27:10760296211066945Guy S, Kitchen S, Makris M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905962>
8. **Guillain-Barré syndrome after coronavirus disease 2019 vaccine: A temporal association.** Clin Exp Neuroimmunol 2021; da Silva GF, da Silva CF, Oliveira R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900000>
9. **Potential prophylactic efficacy of mast cell stabilizers against COVID-19 vaccine-induced anaphylaxis.** Clin. Mol. Allergy 2021; 19:25Kazama I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903238>
10. **Autoimmune hepatitis developing after COVID 19 vaccine: presumed guilty?** Clin Res Hepatol Gastroenterol 2021:101841Erard D, Villeret F, Lavrut PM, Dumortier J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920137>
11. **Clinical Cardiovascular Adverse Events Reported Post COVID-19 Vaccination: Are they a real risk?** Curr. Probl. Cardiol. 2021:101077Hana D, Patel K, Roman S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902392>
12. **Acquired thrombotic thrombocytopenic purpura following Pfizer COVID-19 vaccination.** EJHaem 2021; Alislambouli M, Veras Victoria A, Matta J, Yin F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909764>
13. **New insights into Covid-19 disease. Apo-A1 antibodies are generated after mRNA Covid-19 vaccination and after Covid-19 infection.** Eur. J. Clin. Invest. 2022; 52:e13729Twickler DTM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921724>
14. **Outpatient prescription patterns of COVID-19 drugs in the metropolitan area of Mexico City.** Fam. Pract. 2021; Fuentes-Gonzalez MF, Ordinola Navarro A, Carmona-Aguilera Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910137>
15. **COVID-19 Vaccine-Related Thrombosis: A Systematic Review and Exploratory Analysis.** Front. Immunol. 2021; 12:729251Bilotta C, Perrone G, Adelfio V *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912330>
16. **Rapid Progression of Angioimmunoblastic T Cell Lymphoma Following BNT162b2 mRNA Vaccine Booster Shot: A Case Report.** Front Med (Lausanne) 2021; 8:798095Goldman S, Bron D, Tousseyn T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901098>
17. **Heterologous prime-boost vaccination against COVID-19: is it safe and reliable?** Hum Vaccin Immunother 2021;1-4Choudhary OP, Priyanka, Ahmed JQ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898381>

18. **Vestibular neuritis after COVID-19 vaccination.** *Hum Vaccin Immunother* 2021;1-3Jeong J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898387>
19. **New mimic of relapse or regional lymph node metastasis in a cancer survivor: a case of mRNA COVID-19 vaccine-induced lymphadenitis with high FDG uptake.** *Immunol Med* 2021;1-3Tsumura Y, Asakura K, Takahashi I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915816>
20. **Dangers of mRNA vaccines.** *Ind Psychiatry J* 2021; 30:S291-s293Ali T, Mujawar S, Sowmya AV *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908713>
21. **Impaired hearing following SARS-CoV-2 vaccinations.** *Int J Infect Dis* 2021; 115:215-216Finsterer J, Scorza FA, Fiorini AC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896579>
22. **Optic neuropathy after COVID-19 vaccination: a report of two cases.** *Int. J. Neurosci.* 2021;1-7Elnahry AG, Asal ZB, Shaikh N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906029>
23. **A Case of Refractory Longitudinally Extensive Transverse Myelitis after Severe Acute Respiratory Syndrome Coronavirus 2 Vaccination in a Japanese Man.** *Intern Med* 2021; Miyaue N, Yoshida A, Yamanishi Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897155>
24. **New-onset Polymyalgia Rheumatica Following the Administration of the Pfizer-BioNTech COVID-19 Vaccine.** *Intern Med* 2021; Osada A, Sakuragi C, Toya C, Mitsuo A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897152>
25. **Severe aplastic anemia after COVID-19 mRNA vaccination: Causality or coincidence?** *J Autoimmun* 2022; 126:102782Tabata S, Hosoi H, Murata S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920343>
26. **In silico investigation of the interactions of certain drugs proposed for the treatment of Covid-19 with the paraoxonase-1.** *J Biomol Struct Dyn* 2021;1-13Duzgun Z, Kural BV, Orem A, Yildiz I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895069>
27. **A new-onset vitiligo following the inactivated COVID-19 vaccine.** *J Cosmet Dermatol* 2021; Koç Yıldırım S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910371>
28. **Tolerance of SARS CoV-2 vaccines with polyethylene glycol in allergic patients to polysorbate 80.** *J. Investig. Allergol. Clin. Immunol.* 2021;0Vidal Oribe I, Venturini Díaz M, Hernández Alfonso P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907899>
29. **Parsonage-Turner syndrome following coronavirus disease 2019 immunization with ChAdOx1-S vaccine: a case report and review of the literature.** *J Med Case Rep* 2021; 15:589Vitturi BK, Grandis M, Beltramini S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903275>
30. **Shoulder Injury Related to COVID-19 Vaccine Administration: A Case Report.** *JSES Rev Rep Tech* 2021; Wharton BR, Doan KC, Wolcott ML. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913043>
31. **Evaluation of adverse effects with COVID-19 vaccination in Pakistan.** *Pak J Med Sci* 2021; 37:1959-1964Abbas S, Abbas B, Amir S, Wajahat M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912426>
32. **Data Mining on COVID-19 Vaccines: Side Effects.** *Proc Assoc Inf Sci Technol* 2021; 58:869-871You J, Shaik N, Chen H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901408>

33. **Cardiac complications following mRNA COVID-19 vaccines: A systematic review of case reports and case series.** *Rev Med Virol* 2021;e2318Fazlollahi A, Zahmatyar M, Noori M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921468>
34. **Expert opinion on COVID-19 vaccination and the use of cladribine tablets in clinical practice.** *Ther. Adv. Neurol. Disord.* 2021; 14:17562864211058298Rieckmann P, Centonze D, Giovannoni G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899987>
35. **Safety of COVID-19 vaccination in patients with previous cerebral venous sinus thrombosis.** *Thromb Res* 2022; 209:84-85Gil-Díaz A, Gil-Hernández A, Lozano-Jiménez AI et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896915>
36. **Clinical characteristics of COVID-19 in solid organ transplant recipients following COVID-19 vaccination: A multicenter case series.** *Transpl Infect Dis* 2021; Saharia K, Anjan S, Streit J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905269>
37. **Acute unsolicited adverse events following BNT162b2 vaccine in Saudi Arabia, a real-world data.** *Vaccine* 2021; Almohaya AM, Alsubie H, Alqarni B et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916104>
38. **Acute unsolicited adverse events following BNT162b2 vaccine in Saudi Arabia, a real-world data.** *Vaccine* 2022; 40:477-482Almohaya AM, Alsubie H, Alqarni B et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916104>
39. **Correlation of Anti-SARS-CoV-2 S1-specific IgG antibody levels and adverse events following vaccination with BNT162b2 mRNA COVID-19 vaccine in healthcare workers.** *Vaccine* 2021; Izak M, Stoyanov E, Dezuraev K, Shinar E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903375>
40. **Correlation of Anti-SARS-CoV-2 S1-specific IgG antibody levels and adverse events following vaccination with BNT162b2 mRNA COVID-19 vaccine in healthcare workers.** *Vaccine* 2022; 40:428-431Izak M, Stoyanov E, Dezuraev K, Shinar E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903375>
41. **Post RNA-based COVID vaccines myocarditis: Proposed mechanisms.** *Vaccine* 2021; Kadkhoda K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895937>
42. **Post RNA-based COVID vaccines myocarditis: Proposed mechanisms.** *Vaccine* 2022; 40:406-407Kadkhoda K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895937>
43. **Prior COVID-19 infection is associated with increased Adverse Events (AEs) after the first, but not the second, dose of the BNT162b2/Pfizer vaccine.** *Vaccine* 2021; Raw RK, Rees J, Kelly CA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895935>
44. **Prior COVID-19 infection is associated with increased Adverse Events (AEs) after the first, but not the second, dose of the BNT162b2/Pfizer vaccine.** *Vaccine* 2022; 40:418-423Raw RK, Rees J, Kelly CA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895935>

Treatment options (63 articles)

1. **Identification of homologous human miRNAs as antivirals towards COVID-19 genome.** *Adv Cell Gene Ther* 2021; 4:e114Singh J, Raina A, Sangwan N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901760>
2. **Clinical Experience with Ropivacaine Alfa-2b in the Off-Label Use for the Treatment of COVID-19 Patients in Taiwan.** *Adv Ther* 2021;1-13Chen KY, Lee KY, Qin A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910280>

- 3. True effect of monoclonal antibody for COVID-19 in kidney transplant recipients.** *Am J Transplant* 2021; Khatri A, Raja M, Guerra G, Natori Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897967>
- 4. ALVR109, an off-the-shelf partially HLA matched SARS-CoV-2-specific T cell therapy, to treat refractory severe COVID-19 pneumonia in a heart transplant patient: Case report.** *Am J Transplant* 2021; Martits-Chalangari K, Spak CW, Askar M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910857>
- 5. Structure-based virtual screening and molecular dynamics of phytochemicals derived from Saudi medicinal plants to identify potential COVID-19 therapeutics.** *Arab J Chem* 2020; 13:7224-7234Alamri MA, Altharawi A, Alabbas AB et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909058>
- 6. Pharmacological basis for the potential role of Azithromycin and Doxycycline in management of COVID-19.** *Arab J Chem* 2021; 14:102983Ali AS, MA AS, Karim S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909062>
- 7. TAT-peptide conjugated repurposing drug against SARS-CoV-2 main protease (3CLpro): Potential therapeutic intervention to combat COVID-19.** *Arab J Chem* 2020; 13:8069-8079Ansari MA, Jamal QMS, Rehman S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909057>
- 8. Exploring the interaction of quercetin-3-O-sophoroside with SARS-CoV-2 main proteins by theoretical studies: A probable prelude to control some variants of coronavirus including Delta.** *Arab J Chem* 2021; 14:103353Khan S, Hussain A, Vahdani Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909059>
- 9. A possible potential COVID-19 drug candidate: Diethyl 2-(2-(3-methyl-2-oxoquinoxalin-1(2H)-yl)acetyl)hydrazone)malonate: Docking of disordered independent molecules of a novel crystal structure, HSA/DFT/XRD and cytotoxicity.** *Arab J Chem* 2022; 15:103595Missiou M, Said MA, Demirtaş G et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909067>
- 10. Potential bioactive compounds as SARS-CoV-2 inhibitors from extracts of the marine red alga *Halymenia durvillei* (Rhodophyta) - A computational study.** *Arab J Chem* 2021; 14:103393Tassakka A, Sumule O, Massi MN et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909061>
- 11. Chemically modified mRNA beyond COVID-19: Potential preventive and therapeutic applications for targeting chronic diseases.** *Biomed. Pharmacother.* 2022; 145:112385Elkhalifa D, Rayan M, Negmeldin AT et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915673>
- 12. Evaluation of new or repurposed treatments for COVID-19: protocol for the phase Ib/Ila DEFINE trial platform.** *BMJ Open* 2021; 11:e054442Gaughan E, Quinn T, Bruce A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911721>
- 13. Cannabidiol Inhibits In Vitro Human Liver Microsomal Metabolism of Remdesivir: A Promising Adjuvant for COVID-19 Treatment.** *Cannabis Cannabinoid Res* 2021; Saraswat A, Vartak R, Patki M, Patel K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918945>
- 14. An Update on Pharmacological Relevance and Chemical Synthesis of Natural Products and Derivatives with Anti SARS-CoV-2 Activity.** *ChemistrySelect* 2021; 6:11502-11527Shagufta, Ahmad I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909460>
- 15. Real-World Effectiveness Of Remdesivir In Adults Hospitalized With Covid-19: A Retrospective, Multicenter Comparative Effectiveness Study.** *Clin Infect Dis*

- 2021; Garibaldi BT, Wang K, Robinson ML *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34910128>
16. **Neutralization of SARS-CoV-2 Omicron variant by sera from BNT162b2 or Coronavac vaccine recipients.** *Clin Infect Dis* 2021; Lu L, Mok BW, Chen LL *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34915551>
17. **Oxytocin, A Possible Treatment for Covid-19? Everything to Gain, Nothing to Lose.** *Clin Neuropsychiatry* 2020; 17:192-193Diep PT, Buemann B, Uvnäs-Moberg K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908992>
18. **Launching a comparative effectiveness adaptive platform trial of monoclonal antibodies for COVID-19 in 21 days.** *Contemp Clin Trials* 2021;
113:106652McCreary EK, Bariola JR, Minnier T *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896293>
19. **Evaluating the Clinical Outcomes of Remdesivir Among Patients Admitted With COVID-19 in a Tertiary Care Hospital.** *Cureus* 2021; 13:e19487Butt AG, Ahmed J, Shah SMH *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912628>
20. **Severe COVID-19 Pneumonia Treated by Intensive Immune Suppression Therapy With a Combination of Steroid Pulse and Tocilizumab Followed by a Tapering Dose of Steroid Therapy During the Delta (B.1.617.2) Variant Outbreak: A Successfully Treated Case.** *Cureus* 2021; 13:e19340Muramatsu KI, Ishikawa K, Komatsu A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909301>
21. **Chemokine-Based Therapeutics for the Treatment of Inflammatory and Fibrotic Convergent Pathways in COVID-19.** *Curr Pathobiol Rep* 2021:1-13Julian DR, Kazakoff MA, Patel A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900402>
22. **A review of the rational and current evidence on colchicine for COVID-19.** *Curr Pharm. Des.* 2021; Ghaith HS, Gabra MD, Nafady MH *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34895117>
23. **Regulatory oversight on the use of experimental therapies during a pandemic: The case of early access to convalescent plasma therapy in three LMICs.** *Drug Discov Today* 2021; Bernabe R, Torres C, Wangge G *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34906688>
24. **Management of COVID patients with convalescent plasma: Do we have the final word?** *Eur J Intern Med* 2021; 95:13-16Menichetti F, Falcone M, Tiseo G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895816>
25. **Management of COVID patients with convalescent plasma: Do we have the final word?** *Eur J Intern Med* 2022; 95:13-16Menichetti F, Falcone M, Tiseo G. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895816>
26. **Ivermectin: a pathway out of the pandemic or another dead end?** *Expert Rev. Anti Infect. Ther.* 2021:1-3Echeverría-Esnal D, Grau S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34894986>
27. **The immunology and immunotherapy for COVID-19.** *Expert Rev. Mol. Med.* 2021; 23:e24Liu Y, Zhou X, Liu X, Jiang X. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915958>
28. **Identification of potential inhibitors of SARS-CoV-2 S protein-ACE2 interaction by in silico drug repurposing.** *F1000Res* 2021; 10Tristán-Flores FE, Casique-Aguirre D, Pliego-Arreaga R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900223>
29. **The mechanism and active compounds of semen armeniaceae amarum treating coronavirus disease 2019 based on network pharmacology and molecular**

- docking.** *Food Nutr. Res.* 2021; 65Wang Y, Gu W, Kui F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908920>
- 30. Effectiveness of Regdanvimab Treatment in High-Risk COVID-19 Patients to Prevent Progression to Severe Disease.** *Front. Immunol.* 2021; 12:772320Lee JY, Lee JY, Ko JH *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899724>
- 31. Sequential Analysis of Binding and Neutralizing Antibody in COVID-19 Convalescent Patients at 14 Months After SARS-CoV-2 Infection.** *Front. Immunol.* 2021; 12:793953Rosati M, Terpos E, Ntanasis-Stathopoulos I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899762>
- 32. Stem Cells Therapy for COVID-19: A Systematic Review and Meta-Analysis.** *Front Med (Lausanne)* 2021; 8:737590Arabpour E, Khoshdel S, Tabatabaei N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912818>
- 33. Case Report: Tocilizumab for Acute Kidney Graft Dysfunction in Patient Affected by COVID-19.** *Front Med (Lausanne)* 2021; 8:732792Barbara I, Silvia M, Dario T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901054>
- 34. Short-Course of Methylprednisolone Improves Respiratory Functional Parameters After 120 Days in Hospitalized COVID-19 Patients (Metcovid Trial): A Randomized Clinical Trial.** *Front Med (Lausanne)* 2021; 8:758405Barros C, Freire RS, Frota E *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917633>
- 35. Traditional Uses, Pharmacological Effects, and Molecular Mechanisms of Licorice in Potential Therapy of COVID-19.** *Front. Pharmacol.* 2021; 12:719758Zhang QH, Huang HZ, Qiu M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899289>
- 36. Gender Bias in Artificial Intelligence: Severity Prediction at an Early Stage of COVID-19.** *Front. Physiol.* 2021; 12:778720Chung H, Park C, Kang WS, Lee J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912242>
- 37. Use of Tofacitinib in the Management of COVID-19 Pneumonia.** *Indian J. Crit. Care Med.* 2021; 25:1089-1090Bande BD. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916738>
- 38. Tofacitinib Associated with Reduced Intubation Rates in the Management of Severe COVID-19 Pneumonia: A Preliminary Experience.** *Indian J. Crit. Care Med.* 2021; 25:1108-1112Singh PK, Lalwani LK, Govindagoudar MB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916741>
- 39. Ribavirin Treatment for Critically Ill COVID-19 Patients: An Observational Study.** *Infect Drug Resist* 2021; 14:5287-5291Xu Y, Li M, Zhou L *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916812>
- 40. Baricitinib combination therapy: a narrative review of repurposed Janus kinase inhibitor against severe SARS-CoV-2 infection.** *Infection* 2021:1-14Akbarzadeh-Khiavi M, Torabi M, Rahbarnia L, Safary A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902115>
- 41. Comparison of Tocilizumab and High-dose Methylprednisolone Pulse on Outcomes in Severe Corona Virus Disease-2019: TAME-COVID, a Retrospective Multicentric Study.** *Int J Appl Basic Med Res* 2021; 11:263-269Kumar V, Kashyap AK, Kaur S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912692>
- 42. The Effect of Exogenous Surfactant on Moderate and Severe Stages of COVID-19 Induced ARDS: the Pilot Study of a Clinical Trial.** *Iran J Pharm Res* 2021; 20:553-559Fani K, Ghahremani M, Fathi M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904008>

- 43. Anti-inflammatory Effect of Metronidazole in Hospitalized Patients with Pneumonia due to COVID-19.** *Iran J Pharm Res* 2021; 20:532-540Kazempour M, Izadi H, Chouhdari A, Rezaefard M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904006>
- 44. The SARS-CoV-2 Proliferation Blocked by a Novel and Potent Main Protease Inhibitor via Computer-aided Drug Design.** *Iran J Pharm Res* 2021; 20:399-418Shayan S, Jamaran S, Askandar RH *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903997>
- 45. The OM-85 bacterial lysate inhibits SARS-CoV-2 infection of epithelial cells by downregulating SARS-CoV-2 receptor expression.** *J Allergy Clin Immunol* 2021; Pivniouk V, Pivniouk O, DeVries A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902435>
- 46. In silico investigation of the interactions of certain drugs proposed for the treatment of Covid-19 with the paraoxonase-1.** *J Biomol Struct Dyn* 2021;1-13Duzgun Z, Kural BV, Orem A, Yildiz I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895069>
- 47. The effects of the antecedent use of inhaled steroid on the clinical course of COVID-19: A retrospective study of asthmatic patients.** *J Infect Public Health* 2022; 15:56-64Alakeel YS, Alharbi EF, Alhaidal HA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922224>
- 48. Broad-spectrum prodrugs with anti-SARS-CoV-2 activities: Strategies, benefits, and challenges.** *J Med Virol* 2021; Wang Z, Yang L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897729>
- 49. Humoral and cellular immunity in convalescent COVID-19 people with multiple sclerosis treated with ofatumumab.** *J. Neuroimmunol.* 2022; 362:577788Adamec I, Rogić D, Penz MG *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922128>
- 50. Administration of Parenteral Vitamin C in Patients With Severe Infection: Protocol for a Systematic Review and Meta-analysis.** *JMIR Res Protoc* 2022; 11:e33989Agarwal A, Basmaji J, Fernando SM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910661>
- 51. Investigating the impact of vaccination and non-pharmaceutical measures in curbing COVID-19 spread: A South Africa perspective.** *Math Biosci Eng* 2022; 19:1058-1077Olonijju SD, Otegbeye O, Ezugwu AE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903026>
- 52. Generation and utility of a single-chain fragment variable monoclonal antibody platform against a baculovirus expressed recombinant receptor binding domain of SARS-CoV-2 spike protein.** *Mol. Immunol.* 2021; 141:287-296Salem R, El-Kholy AA, Waly FR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915268>
- 53. Generation and utility of a single-chain fragment variable monoclonal antibody platform against a baculovirus expressed recombinant receptor binding domain of SARS-CoV-2 spike protein.** *Mol. Immunol.* 2022; 141:287-296Salem R, El-Kholy AA, Waly FR *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915268>
- 54. [The role of SARS-CoV-2 antibody therapy in the treatment of COVID-19].** *Orv. Hetil.* 2021; 162:2030-2039Fábián Á. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898467>
- 55. Outcomes of treatment of severe COVID-19 pneumonia with tocilizumab: a report of two cases from Tunisia.** *Pan Afr. Med. J.* 2021; 40:126Azaiz MB, Chatbri B, Sellami W *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909094>

56. **Peptides and peptidomimetics as therapeutic agents for Covid-19.** *Pept Sci (Hoboken)* 2021;e24245Dahal A, Sonju JJ, Kousoulas KG, Jois SD.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901700>
57. **Stalling SARS-CoV2 infection with stem cells: can regenerating perinatal tissue mesenchymal stem cells offer a multi-tiered therapeutic approach to COVID-19?** *Placenta* 2021; 117:161-168Warrier S, Mohana Sundaram S, Varier L, Balasubramanian A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915433>
58. **Stalling SARS-CoV2 infection with stem cells: can regenerating perinatal tissue mesenchymal stem cells offer a multi-tiered therapeutic approach to COVID-19?** *Placenta* 2022; 117:161-168Warrier S, Mohana Sundaram S, Varier L, Balasubramanian A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915433>
59. **The efficacy of amantadine hydrochloride in the treatment of COVID-19 - a single-center observation study.** *Pol Merkur Lekarski* 2021; 49:389-393Bodnar W, Aranda-Abreu G, Slabon-Willand M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919079>
60. **Preliminary study regarding the predicted body weight-based dexamethasone therapy in patients with COVID-19 pneumonia.** *Pulm. Pharmacol. Ther.* 2021; 72:102108Isaka Y, Hirasawa Y, Terada J *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34923122>
61. **Comments on "Whole lung irradiation as a novel treatment for COVID-19: Interim results of an ongoing phase 2 trial in India".** *Radiother Oncol* 2021; Ghaznavi H, Bevelacqua JJ, Mortazavi SAR *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34896158>
62. **Virology of SARS-CoV-2 and management of nCOVID-19 utilizing immunomodulation properties of human mesenchymal stem cells-a literature review.** *Stem Cell Investig.* 2021; 8:23Sachdeva K, Kumar A, Mohanty S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34917676>
63. **The therapeutic potential of the novel angiotensin-converting enzyme 2 in the treatment of coronavirus disease-19.** *Vet World* 2021; 14:2705-2713Oyagbemi AA, Ajibade TO, Aboua YG *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903929>

Trials (16 articles)

1. **Adaptive Leadership and Independent Opinions: Lessons From the National COVID-19 Immunisation Programme.** *Asia Pac. J. Public Health* 2021;10105395211065309Bulgiba A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911369>
2. **Health care experiences during the COVID-19 pandemic by race and social determinants of health among adults age ≥ 58 years in the REGARDS study.** *BMC Public Health* 2021; 21:2255Levitian EB, Howard VJ, Cushman M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34895192>
3. **Brazilian network of COVID-19 during pregnancy (REBRACO: a multicentre study protocol).** *BMJ Open* 2021; 11:e051284Costa ML, Souza RT, Pacagnella RC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921076>
4. **Use of simulation to teach in the operating room: don't Let the COVID-19 pandemic to interrupt education an observational clinical trial.** *Braz J Anesthesiol* 2021; Büyükköy S, Bermede O, Erkoç S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921904>

5. **Association of COVID-19 mortality with COVID-19 vaccination rates in Rhineland-Palatinate (Germany) from calendar week 1 to 20 in the year 2021: a registry-based analysis.** *Eur. J. Epidemiol.* 2021; 36:1231-1236Wollschläger D, Gianicolo E, Blettner M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897584>
6. **Long COVID 19 Syndrome: Is It Related to Microcirculation and Endothelial Dysfunction? Insights From TUN-EndCOV Study.** *Front Cardiovasc Med* 2021; 8:745758Charfeddine S, Ibn Hadj Amor H, Jdidi J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34917659>
7. **Effectiveness of Regdanvimab Treatment in High-Risk COVID-19 Patients to Prevent Progression to Severe Disease.** *Front. Immunol.* 2021; 12:772320Lee JY, Lee JY, Ko JH et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899724>
8. **Allocation of Opportunities to Participate in Clinical Trials during the Covid-19 Pandemic and Other Public Health Emergencies.** *Hastings Cent Rep* 2021; Spector-Bagdady K, Lynch HF, Bierer BE et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908169>
9. **The COSEVAST Study Outcome: Evidence of COVID-19 Severity Proportionate to Surge in Arterial Stiffness.** *Indian J. Crit. Care Med.* 2021; 25:1113-1119Kumar N, Kumar S, Kumar A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916742>
10. **Effect of Meditation and Breathing Exercises on the Well-being of Patients with SARS-CoV-2 Infection under Institutional Isolation: A Randomized Control Trial.** *Indian J. Palliat. Care* 2021; 27:490-494Mahendru K, Pandit A, Singh V et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898943>
11. **Comparison of Tocilizumab and High-dose Methylprednisolone Pulse on Outcomes in Severe Corona Virus Disease-2019: TAME-COVID, a Retrospective Multicentric Study.** *Int J Appl Basic Med Res* 2021; 11:263-269Kumar V, Kashyap AK, Kaur S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912692>
12. **Private Demand for Covid-19 Vaccine: A Contingent Assessment from a Low-and Middle-income Country.** *Iran J Pharm Res* 2021; 20:223-234Meshkani Z, Zarei L, Hajimoladarvish N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903984>
13. **COVID-19 and antiphospholipid antibodies: A position statement and management guidance from AntiPhospholipid Syndrome Alliance for Clinical Trials and InternatiONal Networking (APS ACTION).** *Lupus* 2021;9612033211062523Wang X, Gkrouzman E, Andrade DCO et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915764>
14. **Scenarios for the Integration of Microarray Gene Expression Profiles in COVID-19-Related Studies.** *Methods Mol. Biol.* 2022; 2401:195-215Bernaconi A, Cascianelli S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902130>
15. **25-Hydroxyvitamin D level is associated with mortality in patients with critical COVID-19: a prospective observational study in Mexico City.** *Nutr. Res. Pract.* 2021; 15:S32-s40Parra-Ortega I, Alcara-Ramírez DG, Ronzon-Ronzon AA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909131>
16. **Adverse reactions to BNT162b2 mRNA COVID-19 vaccine in medical staff with a history of allergy.** *Respir Investig* 2021; Inoue S, Igarashi A, Morikane K et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920980>

Vaccines (109 articles)

- 1. Impact of vaccination on the spread of SARS-CoV-2 infection in north-east Italy nursing homes. A propensity score and risk analysis.** [Age Ageing](#) 2021; Pierobon S, Braggion M, Fedeli U et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902858>
- 2. Impact of vaccination on the spread of SARS-CoV-2 infection in north-east Italy nursing homes. A propensity score and risk analysis.** [Age Ageing](#) 2022; 51Pierobon S, Braggion M, Fedeli U et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902858>
- 3. SARS-CoV-2 Vaccination Hesitancy and Behaviors in a National Sample of People Living with HIV.** [AIDS Patient Care STDS](#) 2022; 36:34-44Jaiswal J, Krause KD, Martino RJ et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910884>
- 4. Can families believe the accuracy of websites' information regarding COVID-19 vaccines' side effects?** [Arch. Dis. Child.](#) 2021; Harvey-Nguyen L, Tuthill D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906965>
- 5. Immunogenicity of the BNT162b2 mRNA COVID-19 vaccine in older residents of a long-term care facility: relation with age, frailty and prior infection status.** [Biogerontology](#) 2021;1-12Seiffert P, Konka A, Kasperczyk J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923608>
- 6. Efficacy of mRNA, adenoviral vector, and perfusion protein COVID-19 vaccines.** [Biomed. Pharmacother.](#) 2021; 146:112527Zinatizadeh MR, Zarandi PK, Zinatizadeh M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906769>
- 7. Novel nanostructure-coupled biosensor platform for one-step high-throughput quantification of serum neutralizing antibody after COVID-19 vaccination.** [Biosens. Bioelectron.](#) 2021; 199:113868Huang L, Li Y, Luo C et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920226>
- 8. Willingness, beliefs, and barriers regarding the COVID-19 vaccine in Saudi Arabia: a multiregional cross-sectional study.** [BMC Fam. Pract.](#) 2021; 22:247Altulah N, AlNujaim S, Alabdulqader A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911441>
- 9. First diagnosis of thrombotic thrombocytopenic purpura after SARS-CoV-2 vaccine - case report.** [BMC Nephrol.](#) 2021; 22:411Osmanodja B, Schreiber A, Schrezenmeier E, Seelow E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895163>
- 10. A case report of ChAdOx1 nCoV-19 vaccine-associated encephalitis.** [BMC Neurol.](#) 2021; 21:485Takata J, Durkin SM, Wong S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903200>
- 11. Tracking the uptake and trajectory of COVID-19 vaccination coverage in 15 West African countries: an interim analysis.** [BMJ Glob Health](#) 2021; 6Afolabi MO, Wariri O, Saidu Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906987>
- 12. Global vaccine equity demands reparative justice - not charity.** [BMJ Glob Health](#) 2021; 6Harman S, Erfani P, Goronga T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919057>
- 13. Acceptance of COVID-19 vaccines in sub-Saharan Africa: evidence from six national phone surveys.** [BMJ Open](#) 2021; 11:e055159Kanyanda S, Markhof Y, Wollburg P, Zezza A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911723>
- 14. Durable humoral responses after the second anti-SARS-CoV-2 vaccine dose in chronic myeloid leukaemia patients on tyrosine kinase inhibitors.** [Br. J. Haematol.](#) 2021; Claudiani S, Apperley JF, Parker EL et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923623>

15. **Venous sinus thrombosis after the second jab of an mRNA-based SARS-CoV-2 vaccine.** [Brain Hemorrhages](#) 2021; Finsterer J, Nics S.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34901793>
16. **Exploring the Perceptions of Nurses on Receiving the SARS CoV-2 Vaccine in Palestine: A Qualitative Study.** [Can. J. Nurs. Res.](#)
2021;8445621211066721 Belkebir S, Maraqa B, Nazzal Z *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34913746>
17. **Protection from SARS-CoV-2 Delta one year after mRNA-1273 vaccination in rhesus macaques coincides with anamnestic antibody response in the lung.** [Cell](#) 2021; Gagne M, Corbett KS, Flynn BJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921774>
18. **Protection from SARS-CoV-2 Delta one year after mRNA-1273 vaccination in rhesus macaques coincides with anamnestic antibody response in the lung.** [Cell](#) 2022; 185:113-130.e115 Gagne M, Corbett KS, Flynn BJ *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34921774>
19. **SARS-CoV-2 ferritin nanoparticle vaccines elicit broad SARS coronavirus immunogenicity.** [Cell Rep.](#) 2021; 37:110143 Joyce MG, Chen WH, Sankhala RS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919799>
20. **Recurrence of myopericarditis following mRNA COVID-19 vaccination in a male adolescent.** [CJC Open](#) 2021; Umei TC, Kishino Y, Shiraishi Y *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34904134>
21. **Neuroleptic malignant syndrome associated with COVID-19 vaccination.** [Cjem](#) 2021;1-2 Nagamine T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919205>
22. **Caution in Using the Activated Partial Thromboplastin Time to Monitor Argatroban in COVID-19 and Vaccine-Induced Immune Thrombocytopenia and Thrombosis (VITT).** [Clin. Appl. Thromb. Hemost.](#) 2021; 27:10760296211066945 Guy S, Kitchen S, Makris M *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34905962>
23. **Public Perceptions of Current COVID-19 Vaccinations. Results of a Pilot Survey.** [Clin. Appl. Thromb. Hemost.](#) 2021; 27:10760296211066942 Kantarcioglu B, Patel K, Lewis J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905980>
24. **Thrombosis with Thrombocytopenia Syndrome After Administration of AZD1222 or Ad26.COV2.S Vaccine for COVID-19: A Systematic Review.** [Clin. Appl. Thromb. Hemost.](#) 2021; 27:10760296211068487 Waqar U, Ahmed S, Gardezi S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907794>
25. **Neutralizing antibody titers six months after Comirnaty vaccination: kinetics and comparison with SARS-CoV-2 immunoassays.** [Clin Chem Lab Med](#) 2021; Padoan A, Cosma C, Bonfante F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911170>
26. **Guillain-Barré syndrome after coronavirus disease 2019 vaccine: A temporal association.** [Clin Exp Neuroimmunol](#) 2021; da Silva GF, da Silva CF, Oliveira R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900000>
27. **Severe breakthrough COVID-19 with a heavily mutated variant in a multiple myeloma patient 10 weeks after vaccination.** [Clin Infect Pract](#) 2022; 13:100130 Stampfer SD, Goldwater MS, Bujarski S *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34909634>
28. **Potential prophylactic efficacy of mast cell stabilizers against COVID-19 vaccine-induced anaphylaxis.** [Clin. Mol. Allergy](#) 2021; 19:25 Kazama I.
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34903238>

- 29. Autoimmune hepatitis developing after COVID 19 vaccine: presumed guilty?**
Clin Res Hepatol 2021;101841Erard D, Villeret F, Lavrut PM, Dumortier J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920137>
- 30. Clinical Cardiovascular Adverse Events Reported Post COVID-19 Vaccination: Are they a real risk?** Curr. Probl. Cardiol. 2021;101077Hana D, Patel K, Roman S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902392>
- 31. COVID-19 vaccine uptake and hesitancy opinions from frontline health care and social care workers: Survey data from 37 countries.** Diabetes Metab Syndr 2021; 16:102361Chudasama RV, Khunti K, Ekezie WC et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920206>
- 32. Evaluating COVID-19 vaccine hesitancy: A qualitative study from Vietnam.**
Diabetes Metab Syndr 2021; 16:102363Duong MC, Nguyen HT, Duong M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922216>
- 33. Antibody affinity maturation and cross-variant activity following SARS-CoV-2 mRNA vaccination: Impact of prior exposure and sex.** EBioMedicine 2021; 74:103748Tang J, Grubbs G, Lee Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902788>
- 34. Acquired thrombotic thrombocytopenic purpura following Pfizer COVID-19 vaccination.** EJHaem 2021; Alislambouli M, Veras Victoria A, Matta J, Yin F. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909764>
- 35. Effectiveness of mRNA BNT162b2 Vaccine 6 Months after Vaccination among Patients in Large Health Maintenance Organization, Israel.** Emerg Infect Dis 2021; 28Kertes J, Gez SB, Saciuk Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906291>
- 36. Impact of vaccination and non-pharmaceutical interventions on SARS-CoV-2 dynamics in Switzerland.** Epidemics 2021; 38:100535Shattock AJ, Le Rutte EA, Dünnér RP et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923396>
- 37. New insights into Covid-19 disease. Apo-A1 antibodies are generated after mRNA Covid-19 vaccination and after Covid-19 infection.** Eur. J. Clin. Invest. 2021:e13729Twickler DTM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921724>
- 38. New insights into Covid-19 disease. Apo-A1 antibodies are generated after mRNA Covid-19 vaccination and after Covid-19 infection.** Eur. J. Clin. Invest. 2022; 52:e13729Twickler DTM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921724>
- 39. Worldwide beliefs among pregnant women on SARS-CoV-2 vaccine: a systematic review.** Eur. J. Obstet. Gynecol. Reprod. Biol. 2021; 268:144-164Carbone L, Di Girolamo R, Mappa I et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920272>
- 40. Worldwide beliefs among pregnant women on SARS-CoV-2 vaccine: a systematic review.** Eur. J. Obstet. Gynecol. Reprod. Biol. 2022; 268:144-164Carbone L, Di Girolamo R, Mappa I et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920272>
- 41. Letter to the editor: Increase of influenza vaccination coverage rates during the COVID-19 pandemic and implications for the upcoming influenza season in northern hemisphere countries and Australia.** Euro Surveill 2021; 26Del Riccio M, Lina B, Caini S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915972>
- 42. Predicting the risk of severe COVID-19 outcomes in primary care: development and validation of a vulnerability index for equitable allocation of**

- effective vaccines.** *Expert Rev Vaccines* 2021;1-8Lapi F, Domnich A, Marconi E et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913796>
43. **Willingness to receive a booster dose of inactivated coronavirus disease 2019 vaccine in Taizhou, China.** *Expert Rev Vaccines* 2021;1-7Tung TH, Lin XQ, Chen Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894991>
44. **Robust Antibody Levels in Both Diabetic and Non-Diabetic Individuals After BNT162b2 mRNA COVID-19 Vaccination.** *Front. Immunol.* 2021; 12:752233Ali H, Alterki A, Sindhu S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899701>
45. **COVID-19 Vaccine-Related Thrombosis: A Systematic Review and Exploratory Analysis.** *Front. Immunol.* 2021; 12:729251Bilotta C, Perrone G, Adelfio V et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912330>
46. **Anti-SARS-CoV-2 Spike Protein RBD Antibody Levels After Receiving a Second Dose of ChAdOx1 nCov-19 (AZD1222) Vaccine in Healthcare Workers: Lack of Association With Age, Sex, Obesity, and Adverse Reactions.** *Front. Immunol.* 2021; 12:779212Lee SW, Moon JY, Lee SK et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899739>
47. **COVID-19 Vaccine Hesitancy Among Chinese Population: A Large-Scale National Study.** *Front. Immunol.* 2021; 12:781161Wu J, Li Q, Silver Tarimo C et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912346>
48. **Vaccine Hesitancy Is a Barrier to Achieving Equitable Herd Immunity Among Racial Minorities.** *Front Med (Lausanne)* 2021; 8:668299Gerretsen P, Kim J, Quilty L et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901042>
49. **Rapid Progression of Angioimmunoblastic T Cell Lymphoma Following BNT162b2 mRNA Vaccine Booster Shot: A Case Report.** *Front Med (Lausanne)* 2021; 8:798095Goldman S, Bron D, Tousseyn T et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901098>
50. **COVID-19 Vaccine Uptake, Acceptance, and Hesitancy Among Persons With Mental Disorders During the Second Stage of China's Nationwide Vaccine Rollout.** *Front Med (Lausanne)* 2021; 8:761601Huang H, Zhu XM, Liang PW et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901076>
51. **A National Representative, Cross-Sectional Study by the Hellenic Academy of Neurolimmunology (HEL.A.NI.) on COVID-19 and Multiple Sclerosis: Overall Impact and Willingness Toward Vaccination.** *Front. Neurol.* 2021; 12:757038Boziki M, Styliadis C, Bakirtzis C et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34899577>
52. **Determinants of COVID-19 Vaccine Hesitancy: A Cross-Sectional Study on a Mexican Population Using an Online Questionnaire (COV-AHQ).** *Front Public Health* 2021; 9:728690Delgado-Gallegos JL, Padilla-Rivas GR, Zúñiga-Violante E et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900890>
53. **The Acceptance of COVID-19 Vaccination Under Different Methods of Investigation: Based on Online and On-Site Surveys in China.** *Front Public Health* 2021; 9:760388Lyu Y, Lai X, Ma X et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900909>
54. **Pharmacist's Perspectives on Administering a COVID-19 Vaccine in Community Pharmacies in Four Balkan Countries.** *Front Public Health* 2021; 9:766146Turcu-Stolica A, Kamusheva M, Bogdan M et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900910>
55. **COVID-19 mRNA vaccine in pregnancy and newborn passive immunization: a case report.** *Future Sci OA* 2022; 8:Fso761Kassis NE, Abdallah W, Chakra RA et al.

- al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900336>
56. **COVID-19 Vaccine Uptake Through the Lived Experiences of Health Care Personnel: Policy and Legal Considerations.** *Health Equity* 2021; 5:688-696Gur-Arie R, Berger Z, Rubinstein Reiss D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909538>
57. **Building Confidence in COVID-19 Vaccines Through Effective Communication.** *Health Secur* 2021; Madad S, Davis NJ, Adams A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919473>
58. **SARS-CoV-2 vaccine response in CAR T-cell therapy recipients: A systematic review and preliminary observations.** *Hematol. Oncol.* 2021; Abid MA, Abid MB. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911142>
59. **Guarding against COVID-19 vaccine hesitance in Ghana: analytic view of personal health engagement and vaccine related attitude.** *Hum Vaccin Immunother* 2021:1-6Addo PC, Kulbo NB, Sagoe KA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905469>
60. **Knowledge, beliefs, and acceptability of people toward new COVID-19 vaccines: a pilot study.** *Hum Vaccin Immunother* 2021:1-3Alfaleh A, Alkattan A, Radwan N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920696>
61. **Are midwifery students ready for the COVID-19 vaccine? The decision to vaccinate and affecting factors.** *Hum Vaccin Immunother* 2021:1-8Aslantekin-Özçoban F, Uluşen M, Yalnız-Dilcen H, Çilesiz E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908515>
62. **Heterologous prime-boost vaccination against COVID-19: is it safe and reliable?** *Hum Vaccin Immunother* 2021:1-4Choudhary OP, Priyanka, Ahmed JQ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898381>
63. **Factors associated with vaccine intention in adults living in England who either did not want or had not yet decided to be vaccinated against COVID-19.** *Hum Vaccin Immunother* 2021:1-13Goffe L, Antonopoulou V, Meyer CJ *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919492>
64. **Vestibular neuritis after COVID-19 vaccination.** *Hum Vaccin Immunother* 2021:1-3Jeong J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898387>
65. **COVID-19 pandemic impact on childhood vaccination coverage in Quebec, Canada.** *Hum Vaccin Immunother* 2021:1-8Kiely M, Mansour T, Brousseau N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920686>
66. **Development and Validation of the Multidimensional COVID-19 Vaccine Hesitancy Scale.** *Hum Vaccin Immunother* 2021:1-10Kotta I, Kalcza-Janosi K, Szabo K, Marschalko EE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919494>
67. **Acceptance of childhood and adolescent vaccination against COVID-19 in France: a national cross-sectional study in May 2021.** *Hum Vaccin Immunother* 2021:1-7Verger P, Peretti-Watel P, Gagneux-Brunon A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905467>
68. **Willingness to accept COVID-19 vaccine among the elderly and the chronic disease population in China.** *Hum Vaccin Immunother* 2021:1-16Wang J, Yuan B, Lu X *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906026>
69. **New mimic of relapse or regional lymph node metastasis in a cancer survivor: a case of mRNA COVID-19 vaccine-induced lymphadenitis with high FDG uptake.** *Immunol Med* 2021:1-3Tsumura Y, Asakura K, Takahashi I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915816>

70. **Dangers of mRNA vaccines.** *Ind Psychiatry J* 2021; 30:S291-s293Ali T, Mujawar S, Sowmya AV *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908713>
71. **An episode of transmission of COVID-19 from a vaccinated healthcare worker to co-workers.** *Infect Dis (Lond)* 2021;1-6Ehelepola NDB, Wijewardana BAS. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904921>
72. **Comparison of Covid-19 antibody status after vaccination between residents in long-term geriatric care and residents assisted-living facilities.** *Infect Dis (Lond)* 2021;1-5Naschitz JE, Kertes J, Pinto G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918582>
73. **Economic evaluations of inactivated COVID-19 vaccines in six Western Pacific and South East Asian countries and regions: A modeling study.** *Infect Dis Model* 2022; 7:109-121Jiang Y, Cai D, Shi S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909514>
74. **Vaccine effectiveness against COVID-19 hospitalization in adults in France: A test negative case control study.** *Infect Dis Now* 2021; Luong Ngyen LB, Bauer R, Lesieur Z *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920180>
75. "HPV vaccination coverage in women between 15-55 years in Spain. Temporal trend during the period 2007-2020". *Int J Gynaecol Obstet* 2021; Ramírez M, de la Fuente J, Andía D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905216>
76. **The COVID-19 vaccination experience in Bangladesh: Findings from a cross-sectional study.** *Int. J. Immunopathol. Pharmacol.* 2021; 35:20587384211065628Islam MR, Hasan M, Nasreen W *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911394>
77. **Impaired hearing following SARS-CoV-2 vaccinations.** *Int J Infect Dis* 2021; 115:215-216Finsterer J, Scorza FA, Fiorini AC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896579>
78. **Exploring the role of bacillus calmette-guerin vaccination in protection against COVID-19.** *Int J Mycobacteriol* 2021; 10:433-436Chauhan A, Singh M, Agarwal A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916464>
79. **Optic neuropathy after COVID-19 vaccination: a report of two cases.** *Int. J. Neurosci.* 2021;1-7Elnahry AG, Asal ZB, Shaikh N *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906029>
80. **Profiling vaccine believers and skeptics in nurses: A latent profile analysis.** *Int. J. Nurs. Stud.* 2021; 126:104142Leung CLK, Li KK, Wei VWI *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34923316>
81. **A Case of Refractory Longitudinally Extensive Transverse Myelitis after Severe Acute Respiratory Syndrome Coronavirus 2 Vaccination in a Japanese Man.** *Intern Med* 2021; Miyaue N, Yoshida A, Yamanishi Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897155>
82. **New-onset Polymyalgia Rheumatica Following the Administration of the Pfizer-BioNTech COVID-19 Vaccine.** *Intern Med* 2021; Osada A, Sakuragi C, Toya C, Mitsuo A. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34897152>
83. **Effectiveness of Coronavirus Vaccines against Syndrome Coronavirus 2 (SARS-CoV-2) and Its New Variants.** *Iran. J. Allergy Asthma Immunol.* 2021; 20:647-671Abdi Ghavidel A, Rojhannezhad M, Kazemi B, Bandehpour M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920649>
84. **College students' willingness to accept COVID-19 vaccines.** *J. Am. Coll. Health* 2021;1-9Brunson EK, Rohde RE, Fulton LV. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905717>

85. **Severe aplastic anemia after COVID-19 mRNA vaccination: Causality or coincidence?** *J Autoimmun* 2022; 126:102782Tabata S, Hosoi H, Murata S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920343>
86. **COVID-19 vaccine guidelines was numerous in quantity but many lack transparent reporting of methodological practices.** *J. Clin. Epidemiol.* 2021; Wang Z, Liu H, Li Y *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920115>
87. **Time course of antibody concentrations against the spike protein of SARS-CoV-2 among healthy hospital workers up to 200 days after their first COVID-19 vaccination.** *J. Clin. Lab. Anal.* 2021:e24175Mueller T. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910338>
88. **Hypertension and COVID-19: Updates from the era of vaccines and variants.** *J Clin Transl Endocrinol* 2022; 27:100285Swamy S, Koch CA, Hannah-Shmouni F *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900602>
89. **Market segmentation strategies can be used to overcome COVID-19 vaccine hesitancy and other health crises.** *J Consum Aff* 2021; Meng MD, Olsen MC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908577>
90. **A new-onset vitiligo following the inactivated COVID-19 vaccine.** *J Cosmet Dermatol* 2021; Koç Yıldırım S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910371>
91. **COVID-19 vaccine acceptability, determinants of potential vaccination, and hesitancy in public: A call for effective health communication.** *J Educ Health Promot* 2021; 10:392Kumar R, Bairwa M, Beniwal K, Kant R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912928>
92. **SARS-CoV-2 antibody and T cell responses one year after COVID-19 and the booster effect of vaccination: A prospective cohort study.** *J Infect* 2021; Mak WA, Koeleman JGM, van der Vliet M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896516>
93. **Attenuated anti-SARS-CoV-2 antibody response to vaccination in patients with rheumatic diseases.** *J Infect* 2021; Manolache NG, Ursachi V, Scohy A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920024>
94. **Acceptance and barriers of COVID-19 vaccination among people with chronic diseases in Saudi Arabia.** *J Infect Dev Ctries* 2021; 15:1646-1652Alghamdi AA, Aldosari MS, Alsaeed RA. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898492>
95. **Tolerance of SARS CoV-2 vaccines with polyethylene glycol in allergic patients to polysorbate 80.** *J. Investig. Allergol. Clin. Immunol.* 2021;0Vidal Oribe I, Venturini Díaz M, Hernández Alfonso P *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907899>
96. **Mandatory Vaccination Tensions and Litigation.** *J. Law Med.* 2021; 28:913-930Freckleton I. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907676>
97. **A Panacea for Australia's COVID-19 Crisis? Weighing Some Legal Implications of Mandatory Vaccination.** *J. Law Med.* 2021; 28:993-1017Wolf G, Taliadoros J, Gleeson P. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907682>
98. **Parsonage-Turner syndrome following coronavirus disease 2019 immunization with ChAdOx1-S vaccine: a case report and review of the literature.** *J Med Case Rep* 2021; 15:589Vitturi BK, Grandis M, Beltramini S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903275>
99. **Antibody responses to COVID-19 vaccines in older adults.** *J Med Virol* 2021; Bag Soytas R, Cengiz M, Islamoglu MS *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921432>

100. **New diagnosis of multiple sclerosis in the setting of mRNA COVID-19 vaccine exposure.** *J. Neuroimmunol.* 2022; 362:577785Toljan K, Amin M, Kunchok A, Ontaneda D. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922126>
101. **Heterologous prime-boost strategies for COVID-19 vaccines.** *J Travel Med* 2021; Sapkota B, Saud B, Shrestha R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918097>
102. **Shoulder Injury Related to COVID-19 Vaccine Administration: A Case Report.** *JSES Rev Rep Tech* 2021; Wharton BR, Doan KC, Wolcott ML. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913043>
103. **The impact of vaccination on the evolution of COVID-19 in Portugal.** *Math Biosci Eng* 2022; 19:936-952Machado B, Antunes L, Caetano C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903020>
104. **Investigating the impact of vaccination and non-pharmaceutical measures in curbing COVID-19 spread: A South Africa perspective.** *Math Biosci Eng* 2022; 19:1058-1077Olonijju SD, Otegbeye O, Ezugwu AE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903026>
105. **SIRVVD model-based verification of the effect of first and second doses of COVID-19/SARS-CoV-2 vaccination in Japan.** *Math Biosci Eng* 2022; 19:1026-1040Omae Y, Kakimoto Y, Sasaki M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903024>
106. **Use of Micro-Computed Tomography to Visualize and Quantify COVID-19 Vaccine Efficiency in Free-Breathing Hamsters.** *Methods Mol. Biol.* 2022; 2410:177-192Seldeslachts L, Cawthorne C, Kaptein SF *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914047>
107. **Vaccines Targeting Numerous Coronavirus Antigens, Ensuring Broader Global Population Coverage: Multi-epitope and Multi-patch Vaccines.** *Methods Mol. Biol.* 2022; 2410:149-175Srivastava S, Chatziefthymiou SD, Kolbe M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914046>
108. **Challenges for Vaccinologists in the First Half of the Twenty-First Century.** *Methods Mol. Biol.* 2022; 2410:3-25Thomas S, Abraham A, Callaghan PJ, Rappuoli R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914040>
109. **CRISPR Engineering of Bacteriophage T4 to Design Vaccines Against SARS-CoV-2 and Emerging Pathogens.** *Methods Mol. Biol.* 2022; 2410:209-228Zhu J, Ananthaswamy N, Jain S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914049>
110. **Advances in the design and development of SARS-CoV-2 vaccines.** *Mil Med Res* 2021; 8:67Peng XL, Cheng JS, Gong HL *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911569>
111. **Impact of mass vaccination on SARS-CoV-2 infections among multiple sclerosis patients taking immunomodulatory disease-modifying therapies in England.** *Mult Scler Relat Disord* 2021; 57:103458Garjani A, Patel S, Bharkhada D *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896876>
112. **Humoral immune response to COVID-19 vaccines in people with secondary progressive multiple sclerosis treated with siponimod.** *Mult Scler Relat Disord* 2021; 57:103435Krbot Skorić M, Rogić D, Lapić I *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920248>
113. **COVID-19 Vaccine intent in appalachian patients with multiple sclerosis.** *Mult Scler Relat Disord* 2021; 57:103450Wu H, Ward M, Brown A *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34911005>

114. mRNA intramuscular vaccination produces a robust IgG antibody response in advanced neuromuscular disease. Neuromuscul. Disord. 2021; Demonbreun AR, Velez MP, Saber R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920929>
115. COVID-19 and Compulsory Vaccination: An Acceptable Form of Coercion? New Bioeth. 2021;1-23Hurford JE. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34906027>
116. Covid-19 vaccine confidence and hesitancy in nursing students and faculty at a large academic medical center. Nurs. Outlook 2021; Morris JL, Baniak LM, Luyster FS, Dunbar-Jacob J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895736>
117. The Eye of the Storm: COVID-19 Vaccination and the Eye. Ophthalmol Ther 2021;1-20Ng XL, Betzler BK, Ng S *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914035>
118. COVID-19 Disparities and Vaccine Hesitancy in Black Americans: What Ethical Lessons Can Be Learned? Otolaryngol Head Neck Surg 2021;1945998211065410Restrepo N, Krouse HJ. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905417>
119. Evaluation of adverse effects with COVID-19 vaccination in Pakistan. Pak J Med Sci 2021; 37:1959-1964Abbas S, Abbas B, Amir S, Wajahat M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912426>
120. Factors Associated with Intention to Receive COVID-19 Vaccine Among HIV Positive Patients Attending ART Clinic in Southwest Ethiopia. Patient Prefer Adherence 2021; 15:2731-2738Mesfin Y, Argaw M, Geze S, Zewdu BT. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916783>
121. Toward controlling of a pandemic: How self-control ability influences willingness to take the COVID-19 vaccine. Pers. Individ. Dif. 2022; 188:111447Cao Y, Li H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898776>
122. Data Mining on COVID-19 Vaccines: Side Effects. Proc Assoc Inf Sci Technol 2021; 58:869-871You J, Shaik N, Chen H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901408>
123. Associations between psychiatric morbidity and COVID-19 vaccine hesitancy: An analysis of electronic health records and patient survey. Psychiatry Res 2022; 307:114329Eyllon M, Dang AP, Barnes JB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910966>
124. Hesitancy towards Covid-19 vaccination among the healthcare workers in Iraqi Kurdistan. Public Health Pract (Oxf) 2022; 3:100222Luma AH, Haveen AH, Faiq BB *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909704>
125. Easing Restrictions During Vaccine Scarcity. How Mitigation Measures Help Tackling Associated Moral and Behavioral Challenges. Public Health Rev. 2021; 42:1604269Tretter M, Ehrlich DB, von Ulmenstein U. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909235>
126. Cardiac complications following mRNA COVID-19 vaccines: A systematic review of case reports and case series. Rev Med Virol 2021:e2318Fazlollahi A, Zahmatyar M, Noori M *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921468>
127. Global control of COVID-19: good vaccines may not suffice. Rev. Panam. Salud Publica 2021; 45:e148Eslava-Schmalbach J, Rosero EB, Garzón-Orjuela N. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908811>
128. Predictors of Healthcare Workers' intention to vaccinate against COVID-19: A Cross Sectional Study from Saudi Arabia. Saudi J. Biol. Sci. 2021; Ibrahim Arif S,

Mohammed Aldukhail A, Dhaifallah Albaqami M *et al.*

<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899014>

129. **Expert opinion on COVID-19 vaccination and the use of cladribine tablets in clinical practice.** *Ther. Adv. Neurol. Disord.* 2021; 14:17562864211058298Rieckmann P, Centonze D, Giovannoni G *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=34899987>
130. **Safety of COVID-19 vaccination in patients with previous cerebral venous sinus thrombosis.** *Thromb Res* 2022; 209:84-85Gil-Díaz A, Gil-Hernández A, Lozano-Jiménez AI *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896915>
131. **Effectiveness of message framing in changing COVID-19 vaccination intentions: Moderating role of travel desire.** *Tour Manag* 2022; 90:104468Gursoy D, Ekinci Y, Can AS, Murray JC. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898791>
132. **Clinical characteristics of COVID-19 in solid organ transplant recipients following COVID-19 vaccination: A multicenter case series.** *Transpl Infect Dis* 2021; Saharia K, Anjan S, Streit J *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905269>
133. **COVID-19 vaccine hesitancy among the adult population in Ghana: evidence from a pre-vaccination rollout survey.** *Trop Med Health* 2021; 49:96Alhassan RK, Aberese-Ako M, Doegah PT *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915939>
134. **Acute unsolicited adverse events following BNT162b2 vaccine in Saudi Arabia, a real-world data.** *Vaccine* 2021; Almohaya AM, Alsubie H, Alqarni B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916104>
135. **Acute unsolicited adverse events following BNT162b2 vaccine in Saudi Arabia, a real-world data.** *Vaccine* 2022; 40:477-482Almohaya AM, Alsubie H, Alqarni B *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916104>
136. **Willingness to vaccinate against SARS-CoV-2: The role of reasoning biases and conspiracist ideation.** *Vaccine* 2021; Bronstein MV, Kummerfeld E, MacDonald A, 3rd, Vinogradov S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895784>
137. **Willingness to vaccinate against SARS-CoV-2: The role of reasoning biases and conspiracist ideation.** *Vaccine* 2022; 40:213-222Bronstein MV, Kummerfeld E, MacDonald A, 3rd, Vinogradov S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895784>
138. **On the rise of the new B.1.1.529 variant: Five dimensions of access to a COVID-19 vaccine.** *Vaccine* 2021; Chen X, Wang H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922789>
139. **Effect of the suspension of the J&J COVID-19 vaccine on vaccine hesitancy in the United States.** *Vaccine* 2021; Hsieh YL, Rak S, SteelFisher GK, Bauhoff S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903374>
140. **Effect of the suspension of the J&J COVID-19 vaccine on vaccine hesitancy in the United States.** *Vaccine* 2022; 40:424-427Hsieh YL, Rak S, SteelFisher GK, Bauhoff S. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903374>
141. **Correlation of Anti-SARS-CoV-2 S1-specific IgG antibody levels and adverse events following vaccination with BNT162b2 mRNA COVID-19 vaccine in healthcare workers.** *Vaccine* 2021; Izak M, Stoyanov E, Dezuraev K, Shinar E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903375>

142. **Correlation of Anti-SARS-CoV-2 S1-specific IgG antibody levels and adverse events following vaccination with BNT162b2 mRNA COVID-19 vaccine in healthcare workers.** *Vaccine* 2022; 40:428-431Izak M, Stoyanov E, Dezuraev K, Shinar E. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903375>
143. **Post RNA-based COVID vaccines myocarditis: Proposed mechanisms.** *Vaccine* 2021; Kadkhoda K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895937>
144. **Post RNA-based COVID vaccines myocarditis: Proposed mechanisms.** *Vaccine* 2022; 40:406-407Kadkhoda K. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895937>
145. **Underserved population acceptance of combination influenza-COVID-19 booster vaccines.** *Vaccine* 2021; Lennon RP, Block R, Jr., Schneider EC *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903376>
146. **Prior COVID-19 infection is associated with increased Adverse Events (AEs) after the first, but not the second, dose of the BNT162b2/Pfizer vaccine.** *Vaccine* 2021; Raw RK, Rees J, Kelly CA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895935>
147. **Prior COVID-19 infection is associated with increased Adverse Events (AEs) after the first, but not the second, dose of the BNT162b2/Pfizer vaccine.** *Vaccine* 2022; 40:418-423Raw RK, Rees J, Kelly CA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34895935>
148. **Influenza vaccination uptake among Canadian adults before and during the COVID-19 pandemic: An analysis of the Canadian Longitudinal study on Aging (CLSA).** *Vaccine* 2021; Sulis G, Basta NE, Wolfson C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916102>
149. **Influenza vaccination uptake among Canadian adults before and during the COVID-19 pandemic: An analysis of the Canadian Longitudinal study on Aging (CLSA).** *Vaccine* 2022; 40:503-511Sulis G, Basta NE, Wolfson C *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34916102>
150. **Public health spending, primary care, and perceived risk promoted vaccination against H1N1.** *Vaccine* 2021; Zhao AR, Bishai DM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903373>
151. **Public health spending, primary care, and perceived risk promoted vaccination against H1N1.** *Vaccine* 2022; 40:325-333Zhao AR, Bishai DM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903373>
152. **IMPACT OF VACCINATION ON THE COVID-19 PANDEMIC:BIBLIOMETRIC ANALYSIS AND CROSS COUNTRY FORECASTING BY FOURIER SERIES.** *Wiad. Lek.* 2021; 74:2359-2367Kuzmenko OV, Smiianov VA, Rudenko LA *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896988>

Women – pregnancy (40 articles)

1. **Psychological well-being and worries among pregnant women in the first trimester during the early phase of the COVID-19 pandemic in Denmark compared with a historical group: A hospital-based cross-sectional study.** *Acta Obstet Gynecol Scand* 2021; Broberg L, Rom AL, de Wolff MG *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34904223>
2. **If virtual gynecology clinics are here to stay, we need to include everyone.** *AJOG Glob Rep* 2021;100043Ball E, Rivas C, Khan R. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909705>

- 3. Oxygen saturation in pregnant individuals with COVID-19: Time for re-appraisal?** *Am J Obstet Gynecol* 2021; Eid J, Stahl D, Costantine MM, Rood KM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922921>
- 4. Contracting COVID-19 in the first and second trimester of pregnancy: what we know - a concise qualitative systematic review.** *Arch. Med. Sci.* 2021; 17:1548-1557Abu-Amara J, Szpecht D, Al-Saad SR, Karbowski LM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900033>
- 5. SARS- CoV-2 infection and oxidative stress in early-onset preeclampsia.** *Biochim Biophys Acta Mol Basis Dis* 2021; 1868:166321Marín R, Pujol FH, Rojas D, Sobrevia L. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920081>
- 6. Brazilian network of COVID-19 during pregnancy (REBRACO: a multicentre study protocol).** *BMJ Open* 2021; 11:e051284Costa ML, Souza RT, Pacagnella RC et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34921076>
- 7. "I may be essential but someone has to look after my kids": women physicians and COVID-19.** *Can. J. Public Health.* 2021;1-10Smith J, Abouzaid L, Masuhara J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919212>
- 8. Comparisons of the immunological landscape of COVID-19 patients based on sex and disease severity by multi-omics analysis.** *Chem. Biol. Interact.* 2022; 352:109777Zhang T, Abdelrahman Z, Liu Q et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34896122>
- 9. Impact of Prenatal SARS-CoV-2 Infection on Infant Emergency Department Visits and Hospitalization.** *Clin. Pediatr. (Phila.)* 2021;99228211065898Ungar SP, Solomon S, Stachel A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903074>
- 10. Blackwater Fever in Pregnancy With Severe Falciparum Malaria: A Case of Imported Malaria From Nigeria to the United Kingdom During the COVID-19 Pandemic.** *Cureus* 2021; 13:e20170Brebnor Des Isles C, Chitrakar A, Patel H, Finney M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900503>
- 11. Worldwide beliefs among pregnant women on SARS-CoV-2 vaccine: a systematic review.** *Eur. J. Obstet. Gynecol. Reprod. Biol.* 2021; 268:144-164Carbone L, Di Girolamo R, Mappa I et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920272>
- 12. Worldwide beliefs among pregnant women on SARS-CoV-2 vaccine: a systematic review.** *Eur. J. Obstet. Gynecol. Reprod. Biol.* 2022; 268:144-164Carbone L, Di Girolamo R, Mappa I et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920272>
- 13. COVID-19 and pregnancy: A comparison of case reports, case series and registry studies.** *Eur. J. Obstet. Gynecol. Reprod. Biol.* 2021; 268:135-142Young EM, Green O, Stewart J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920270>
- 14. COVID-19 and pregnancy: A comparison of case reports, case series and registry studies.** *Eur. J. Obstet. Gynecol. Reprod. Biol.* 2022; 268:135-142Young EM, Green O, Stewart J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34920270>
- 15. Easing of Regulatory Barriers to Telemedicine Abortion in Response to COVID-19.** *Front Glob Womens Health* 2021; 2:705611Skuster P, Dhillon J, Li J. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34901929>
- 16. Corona Virus Disease 2019 (COVID-19) as a System-Level Infectious Disease With Distinct Sex Disparities.** *Front. Immunol.* 2021; 12:778913Emadi-Baygi M, Ehsanifard M, Afrashtehpour N et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34912345>

17. **COVID-19 mRNA vaccine in pregnancy and newborn passive immunization: a case report.** *Future Sci OA* 2022; 8:Fso761Kassis NE, Abdallah W, Chakra RA et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34900336>
18. **Academic mothers, professional identity and COVID-19: Feminist reflections on career cycles, progression and practice.** *Gend Work Organ* 2021; Bowyer D, Deitz M, Jamison A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34898865>
19. **Relationship between AB0 blood groups and selected pregnancy conditions and neonatal diseases.** *Ginekol. Pol.* 2021; 92:818-821Cendal IM, Krolak-Olejnik B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34907520>
20. **[Covid-19 and lockdown: impact on pregnancy complications].** *Gynecol Obstet Fertil Senol* 2021; Graff I, Broucker C, Vargas J et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915137>
21. **COVID-19 outcomes of patients with gynecologic cancer in New York City: An updated analysis from the initial surge of the pandemic.** *Gynecol. Oncol.* 2021; Lara OD, Smith M, Wang Y et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922769>
22. **Female Reproductive Health in SARS-CoV-2 Pandemic Era.** *Int J Fertil Steril* 2021; 15:241-245Nateghi R, Ghashghaei SH, Shokohian B et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913290>
23. **"HPV vaccination coverage in women between 15-55 years in Spain. Temporal trend during the period 2007-2020".** *Int J Gynaecol Obstet* 2021; Ramírez M, de la Fuente J, Andía D et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34905216>
24. **Characteristics and patterns of care of endometrial cancer before and during COVID-19 pandemic.** *J Gynecol Oncol* 2022; 33:e10Bogani G, Scambia G, Cimmino C et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910391>
25. **Proning modus operandi in pregnancies complicated by acute respiratory distress syndrome secondary to COVID-19.** *J Matern Fetal Neonatal Med* 2021;1-10Cojocaru L, Turan OM, Levine A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34915799>
26. **Extensive bilateral diffuse infiltrates and deterioration of lung following infection with severe acute respiratory syndrome coronavirus 2 in a pregnant woman: a case report.** *J Med Case Rep* 2021; 15:588Moeindarbary S, Dadgar S, Layegh P et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903276>
27. **A full-term pregnant woman with secondary Evans syndrome caused by severe coronavirus disease 2019: a case report.** *J Med Case Rep* 2021; 15:606Santosa D, Sofro MAU, Farida et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903274>
28. **The Effect of Hospital-Based Childbirth Classes on Birth Outcomes.** *J Perinat Educ* 2021; 30:196-202Hands KK, Davies CC, Brockopp D, Monroe M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908818>
29. **Risk Factors for Postpartum Depression During COVID-19 Pandemic: A Systematic Literature Review.** *J. Prim. Care Community Health* 2021; 12:21501327211059348Usmani S, Greca E, Javed S et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34894838>
30. **Experience of early motherhood during the first wave of the COVID-19 pandemic in Northern Germany: a single-centre before and after comparison.** *J. Reprod. Infant Psychol.* 2021;1-17Perez A, Schepanski S, Göbel A et al. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34918988>

- 31. Clinical and epidemiological characterization in the follow-up of newborns with COVID-19: a descriptive study.** Medwave 2021; 21:e8500Dávila-Aliaga C, Torres-Marcos E, Paucar-Zegarra R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34910718>
- 32. The impact of covid-19 on psychosocial well-being and learning for australian nursing and midwifery undergraduate students: a cross-sectional survey.** Nurse Educ Pract 2021; 58:103275Rasmussen B, Hutchinson A, Lowe G *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922092>
- 33. COVID-19 restrictive control measures and maternal, sexual and reproductive health issues: risk of a double tragedy for women in sub-Saharan Africa.** Pan Afr. Med. J. 2021; 40:122Murewanhema G, Madziyire MG. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34909091>
- 34. [Intrauterine fetal demise in extensive SARS-CoV-2-associated placental maternal vascular malperfusion in the setting of SARS-CoV-2 placentitis (severe acute respiratory syndrome coronavirus 2)].** Pathologe 2021;1-5Eich ML, Menter T, Mokwa NF *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34913103>
- 35. Impact of COVID-19 public health safety measures on births in Scotland between March and May 2020.** Public Health 2022; 202:76-79Speyer LG, Marryat L, Auyeung B. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34922177>
- 36. COVID-19 related fear and depression of pregnant women and new mothers.** Public Health Nurs. 2021; Fan HSL, Choi EPH, Ko RWT *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34902184>
- 37. Intimate partner violence and associated factors among reproductive age women during COVID-19 pandemic in Southern Ethiopia, 2020.** Reprod Health 2021; 18:246Shitu S, Yeshaneh A, Abebe H. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34903249>
- 38. Depression Among HIV-Positive Pregnant Women at Northwest Amara Referral Hospitals During COVID-19 Pandemic.** Risk Manag. Healthc. Policy 2021; 14:4897-4905Abate HK, Mekonnen CK, Ferede YM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34908887>
- 39. COVID-19 and Pregnancy: A Prospective Descriptive Study from a Tertiary Hospital in Nigeria.** West Afr. J. Med. 2021; Vol. 38:1036-1041Alasia D, Maduka O, Oputa VO *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=34919179>
- 40. [SARS-CoV-2 damages male fertility: How and why].** Zhonghua Nan Ke Xue 2021; 27:738-741Sun B, Wu XY, Nie M. <http://www.ncbi.nlm.nih.gov/pubmed/?term=34914248>

to subscribe click [here](#)

mailing address is:
lansberg@gmail.com

