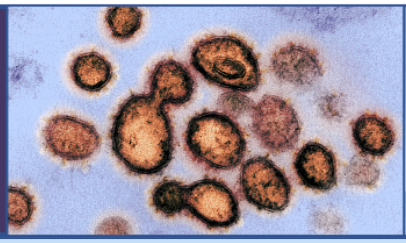
Covid-19
Literature Update



A CURATED SELECTION AND OVERVIEW OF COVID-19 PUBLICATIONS

Update February 07 - February 13 - 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 06 2022
1091 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 dashbord
Country Guidance
Travel restriction
Covid Counter
Covid forcasts
CDC
AHA
ESC
EMEA
Evidence EPPI
Wikipedia
Cardionerds - **COVID-19**
Genomic epidemiology
Oxygenation Ventilation toolkit
German (ICU) bed capacity

Cochrane
BMJ
The Lancet
New England Journal of Medicine
JAMA
Cell
Science
Oxford Universtiy Press
Cambridge Univeristy Press
Springer Nature
Elsevier
Wiley
PLOS
LitCovid NIH-NLM
SSRN (Pre-prints)
COVID reference (Steinhauser Verlag)

COVID-19 Projections tracker

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)

Retracted papers

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

Another Covid Surge May Be Coming. Are We Ready for It?
How Long Should It Take to Grieve? Psychiatry Has Come Up With an Answer.
As Virus Data Mounts, the J.&J. Vaccine Holds Its Own
In Africa, a Mix of Shots Drives an Uncertain Covid Vaccination Push
Brain-Imaging Studies Hampered by Small Data Sets, Study Finds
Who Should Get a 4th Covid Shot?
As Omicron Surges and Economy Suffers, China Tweaks 'Zero Covid'

Washington Post - Corona update

Black adult hospitalizations reached a pandemic high during the omicron wave
Vaccines highly effective preventing serious illness and death during omicron surge
HK lifts flight bans, suspends mandatory mass testing; waning 'zero covid'
Asia is slowly reopening to travelers. Here's where you can go.
S. Korea's coronavirus infection rate soars to the world's highest with omicron surge

Guardian - Corona update

NHS rollout of second Covid booster jabs begins in England
US likely to see Covid cases rise from Omicron subvariant, Fauci says
Covid resurgent across UK with infections in over-70s at record high
Public health measures are key to curbing Covid in UK, say scientists
Covid restrictions easing across Europe despite surge in cases

Key Articles

1. **Post-Vaccination SARS-CoV-2 Infections among Health Workers at the University Hospital of Verona, Italy: A Retrospective Cohort Survey.** Vaccines (Basel) 2022; 10Porru S, Spiteri G, Monaco MGL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214733
   Vaccines provide substantial benefit against COVID-19. In this retrospective cohort study the impact of the Pfizer vaccines in Italian health care workers (HW) (December 2020 – May 2021) was reviewed. Vaccinated individuals had a 50% reduction of COVID-19 infections and in those that did get infected, despite vaccination, reported less and less severe symptoms by approximately two thirds. Moreover, vaccinated HW were sixfold less likely to further spread the infection than unvaccinated HWs

2. **RT-PCR negative COVID-19.** BMC Infect. Dis. 2022; 22:149Parmar H, Montovano M, Banada P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152885
   The latest SARS-CoV-2, Omicron variant, is recognized as significantly more infectious and better suited to escape vaccine-generated anti-bodies. 23 HWs attended a social event where 15 (65%) were infected. Mild symptoms were experienced by 5 HWs. One fully vaccinated and boostered patient with multiple chronic conditions was infected by one of the HCWs. For this patient, ICU care was needed. Within 10-19 days, 10 subjects achieved negative test results. This report illustrates the high transmissibility even in fully vaccinated

+ boostered individuals.

3. **COVID-19 Vaccines: An Overview of Different Platforms.** Bioengineering (Basel) 2022; 9Kudlay D, Svistunov A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35200425
   Can PCR tests have false negative results? In this study Patients with repeated negative PCR tests were evaluated for IgG and IgM antibodies. Patients were grouped by having signs and symptoms, those with signs and symptoms but more likely caused by another diagnosis and those without signs and symptoms. They were compared to PCR positive patients and pre pandemic controls. Patients from the first group were found to have similar antibody levels as patients with a positive PCR test. Patients were far less likely to receive COVID-19 appropriate treatment.

4. **COVID-19 Vaccines: An Overview of Different Platforms.** Bioengineering (Basel) 2022; 9Kudlay D, Svistunov A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35200425

5. **Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models.** Front Cell Infect Microbiol 2021; 11:806265Rustagi V, Bajaj M, Tanvi *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223534

6. **SARS-CoV-2: The Monster Causes COVID-19.** Front Cell Infect Microbiol 2022; 12:835750Song C, Li Z, Li C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211423

7. **The Complexity of SARS-CoV-2 Infection and the COVID-19 Pandemic.** Front. Microbiol. 2022; 13:789882da Silva Torres MK, Bichara CDA, de Almeida M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222327

8. **The impact of COVID-19 vaccine on sperm quality.** Int J Gynaecol Obstet 2022; Barda S, Laskov I, Grisaru D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128663

9. **Incidence of SARS-CoV-2 infection among previously infected or vaccinated employees.** Int J Infect Dis 2022; 118:21-23Kojima N, Roshani A, Brobeck M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151852

10. **Novel statistics predict the COVID-19 pandemic could terminate in 2022.** J Med Virol 2022; Chen JM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150458

11. **Statins and Covid-19: The Neglected Front of bidirectional effects.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S133-s136Hussien NR, Al-Niemi MS, Al-Kuraishy HM, Al-Gareeb AI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130236

12. **The Pathogenesis and Long-Term Consequences of COVID-19 Cardiac Injury: State-of-the-Art Review.** JACC Basic Transl Sci 2022; Siripanthong B, Asatryan B, Hanff TC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165665

13. **Determining the Case Fatality Rate of COVID-19 in Italy: Novel Epidemiological Study.** JMIR Public Health Surveill 2022; 8:e32638Yan M, Kang W, Guo Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34963659

14. **The mother of all battles: Viruses vs humans. Can humans avoid extinction in 50-100 years?** Open Life Sci 2022; 17:32-37Diamandis EP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128067

15. **Autochthonous Outbreak of SARS-CoV-2 Omicron Variant in Booster-Vaccinated (3 Doses) Healthcare Workers in Southern Italy: Just the Tip of the Iceberg?** Vaccines (Basel) 2022; 10Loconsole D, Bisceglia L, Centrone F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214741

Omicron (13 articles)

1. **Neutralisation of circulating SARS-CoV-2 delta and omicron variants by convalescent plasma and SARS-CoV-2 hyperimmune intravenous human immunoglobulins for treatment of COVID-19.** Ann. Rheum. Dis. 2022; Zahra FT, Bellusci L, Grubbs G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144925
2. **Anti-SARS-CoV-2 Omicron Antibodies Isolated from a SARS-CoV-2 Delta Semi-Immune Phage Display Library.** Antibodies (Basel) 2022; 11Mendoza-Salazar I, Gómez-Castellano KM, González-González E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35225871
3. **SARS-CoV-2 Omicron Spike recognition by plasma from individuals receiving BNT162b2 mRNA vaccination with a 16-week interval between doses.** Cell Rep. 2022; 38:110429Chatterjee D, Tauzin A, Marchitto L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35216664
4. **Tracking the Initial Diffusion of SARS-CoV-2 Omicron Variant in Italy by RT-PCR and Comparison with Alpha and Delta Variants Spreading.** Diagnostics (Basel) 2022; 12Caputo V, Calvino G, Strafella C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204558
5. **Amplification Artifact in SARS-CoV-2 Omicron Sequences Carrying P681R Mutation, New York, USA.** Emerg Infect Dis 2022; 28Heguy A, Dimartino D, Marier C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130474
6. **Omicron: A highly transmissible SARS-CoV-2 variant.** Gene Rep 2022; 27:101549Rahimi F, Talebi Bezmin Abadi A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165664
7. **First cases of Omicron in France are exhibiting mild symptoms, November 2021-January 2022.** Infect Dis Now 2022; Maisa A, Spaccaferri G, Fournier L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167979

8. **Healthcare Workers' SARS-CoV-2 Omicron Variant Uncertainty-Related Stress, Resilience, and Coping Strategies during the First Week of the World Health Organization's Alert.** Int J Environ Res Public Health 2022; 19Temsah MH, Alenezi S, Alarabi M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206135
9. **Omicron Genetic and Clinical Peculiarities That May Overturn SARS-CoV-2 Pandemic: A Literature Review.** Int J Mol Sci 2022; 23Tiecco G, Storti S, Degli Antoni M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35216104
10. **The utilization of telehealth during the COVID-19 pandemic: An American pediatric surgical association survey.** J. Pediatr. Surg. 2022; Shah A, Skertich NJ, Sullivan GA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35249736
11. **SARS-CoV-2 Omicron variant: A next phase of the COVID-19 pandemic and a call to arms for system sciences and precision medicine.** MedComm (2020) 2022; 3:e119Mostafavi E, Dubey AK, Teodori L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35281784
12. **Autochthonous Outbreak of SARS-CoV-2 Omicron Variant in Booster-Vaccinated (3 Doses) Healthcare Workers in Southern Italy: Just the Tip of the Iceberg?** Vaccines (Basel) 2022; 10Loconsole D, Bisceglia L, Centrone F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214741
13. **Systemic and Lower Respiratory Tract Immunity to SARS-CoV-2 Omicron and Variants in Pediatric Severe COVID-19 and Mis-C.** Vaccines (Basel) 2022; 10Tang J, Randolph AG, Novak T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214728

Basic Science (60 articles)

1. **Specific anti-SARS-CoV-2 S1 IgY-scFv is a promising tool for recognition of the virus.** AMB Express 2022; 12:18Ge S, Wu R, Zhou T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150368
2. **Association of soluble receptor for advanced glycation end-products (sRAGE) serum on COVID-19 severity: A cross-sectional study.** Ann Med Surg (Lond) 2022; 74:103303Saputra GNR, Yudhawati R, Fitriah M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127073
3. **The dynamic nature of the coronavirus receptor, angiotensin-converting enzyme 2 (ACE2) in differentiating airway epithelia.** BBA Adv 2022; 2:100044Manna VJ, Choi H, Rotoli SM, Caradonna SJ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35187520
4. **Drug repurposing for SARS-CoV-2 main protease: Molecular docking and molecular dynamics investigations.** Biochem Biophys Rep 2022; 29:101225Omer SE, Ibrahim TM, Krar OA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128086
5. **Inhibitory efficacy of 2, 4-diacetylphloroglucinol against SARS-COV-2 proteins: in silico study.** Biologia (Bratisl) 2022:1-14Kankariya RA, Chaudhari AB, Dandi ND. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125499
6. **Engineered extracellular vesicles antagonize SARS-CoV-2 infection by inhibiting mTOR signaling.** Biomater Biosyst 2022; 6:100042Ibrahim AG, Ciullo A, Li C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187508
7. **Targeting the Ubiquitylation and ISGylation Machinery for the Treatment of COVID-19.** Biomolecules 2022; 12Vere G, Alam MR, Farrar S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204803

8. **Upregulation of cytokine signalling in platelets increases risk of thrombophilia in severe COVID-19 patients.** Blood Cells Mol. Dis. 2022; 94:102653Kaur S, Singh A, Kaur J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180460
9. **Accelerating the discovery of antifungal peptides using deep temporal convolutional networks.** Brief. Bioinform. 2022; Singh V, Shrivastava S, Kumar Singh S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152278
10. **In silico prediction and structure-based multitargeted molecular docking analysis of selected bioactive compounds against mucormycosis.** Bull Natl Res Cent 2022; 46:24Madanagopal P, Ramprabhu N, Jagadeesan R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125861
11. **Reconciling differences pertaining to the origin of SARS-CoV-2.** Bull Natl Res Cent 2022; 46:28Muhammad YA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153468
12. **Essential oil from Cymbopogon citratus exhibits "anti-aspergillosis" potential: in-silico molecular docking and in vitro studies.** Bull Natl Res Cent 2022; 46:23Sharma AD, Kaur I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125860
13. **Hypothesis: Emerging Roles for Aryl Hydrocarbon Receptor in Orchestrating CoV-2-Related Inflammation.** Cells 2022; 11Guarnieri T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35203299
14. **Activation of Immune System May Cause Pathophysiological Changes in the Myocardium of SARS-CoV-2 Infected Monkey Model.** Cells 2022; 11Rabbani MY, Rappaport J, Gupta MK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35203260
15. **Repurposing Ayush-64 for COVID-19: A Computational Study Based on Network Pharmacology and Molecular Docking.** Comb. Chem. High Throughput Screen. 2022; Mahija KC, Nazeer KAA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35142268
16. **IL13Pred: A method for predicting immunoregulatory cytokine IL-13 inducing peptides.** Comput. Biol. Med. 2022; 143:105297Jain S, Dhall A, Patiyal S, Raghava GPS. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152041
17. **D155Y substitution of SARS-CoV-2 ORF3a weakens binding with Caveolin-1.** Comput Struct Biotechnol J 2022; 20:766-778Gupta S, Mallick D, Banerjee K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126886
18. **Drug repurposing against SARS-CoV-2 using computational approaches.** Drug Discov Today 2022; Kumar S, Kovalenko S, Bhardwaj S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151891
19. **A siRNA targets and inhibits a broad range of SARS-CoV-2 infections including Delta variant.** EMBO Mol Med 2022:e15298Chang YC, Yang CF, Chen YF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138028
20. **Thymosin-α1 binds with ACE and downregulates the expression of ACE2 in human respiratory epithelia.** Front Biosci (Landmark Ed) 2022; 27:48Zhang YH, Wang WY, Pang XC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35226991
21. **Protein Posttranslational Signatures Identified in COVID-19 Patient Plasma.** Front Cell Dev Biol 2022; 10:807149Vedula P, Tang HY, Speicher DW, Kashina A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35223838
22. **SP-D and CC-16 Pneumoproteins' Kinetics and Their Predictive Role During SARS-CoV-2 Infection.** Front Med (Lausanne) 2021; 8:761299Tiezzi M, Morra S, Seminerio J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211479
23. **Potential of Bacillus subtilis Against SARS-CoV-2 - A Sustainable Drug Development Perspective.** Front. Microbiol. 2022; 13:718786Khodavirdipour A,

Chamanrokh P, Alikhani MY, Alikhani MS. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222320

24. **The Hidden Enemy Within: Non-canonical Peptides in Virus-Induced Autoimmunity.** Front. Microbiol. 2022; 13:840911Lodha M, Erhard F, Dölken L, Prusty BK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222346
25. **Cellular Responses to Membrane and Nucleocapsid Viral Proteins Are Also Boosted After SARS-CoV-2 Spike mRNA Vaccination in Individuals With Either Past Infection or Cross-Reactivity.** Front. Microbiol. 2021; 12:812729Vallejo A, Martín-Hondarza A, Gómez S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222312
26. **In Silico Infection Analysis (iSFA) Identified Coronavirus Infection and Potential Transmission Risk in Mammals.** Front Mol Biosci 2022; 9:831876Zou Y, Cao X, Yang B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211513
27. **Montelukast Inhibits Platelet Activation Induced by Plasma From COVID-19 Patients.** Front. Pharmacol. 2022; 13:784214Camera M, Canzano P, Brambilla M, Rovati GE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35211011
28. **Platelet Mechanobiology Inspired Microdevices: From Hematological Function Tests to Disease and Drug Screening.** Front. Pharmacol. 2021; 12:779753Zhang Y, Jiang F, Chen Y, Ju LA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126120
29. **A naturally hypersensitive porcine model may help understand the mechanism of COVID-19 mRNA vaccine-induced rare (pseudo) allergic reactions: complement activation as a possible contributing factor.** Geroscience 2022:1-22Dézsi L, Mészáros T, Kozma G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146583
30. **Interferon-γ primes macrophages for pathogen ligand-induced killing via a caspase-8 and mitochondrial cell death pathway.** Immunity 2022; 55:423-441.e429Simpson DS, Pang J, Weir A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139355
31. **Integrin mediates cell entry of the SARS-CoV-2 virus independent of cellular receptor ACE2.** J Biol Chem 2022; 298:101710Liu J, Lu F, Chen Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150743
32. **SARS-CoV-2 accessory protein ORF8 is secreted extracellularly as a glycoprotein homodimer.** J Biol Chem 2022; 298:101724Matsuoka K, Imahashi N, Ohno M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35157849
33. **Accelerating the discovery of the beyond rule of five compounds that have high affinities toward SARS-CoV-2 spike RBD.** J Biomol Struct Dyn 2022:1-10Abu-Saleh AAA, Yadav A, Poirier RA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35132950
34. **Multiple Aspects of Inappropriate Action of Renin-Angiotensin, Vasopressin, and Oxytocin Systems in Neuropsychiatric and Neurodegenerative Diseases.** J Clin Med 2022; 11Szczepanska-Sadowska E, Wsol A, Cudnoch-Jedrzejewska A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207180
35. **Long-term immunity in convalescent Syrian hamsters provides protection against new-variant SARS-CoV-2 infection of the lower but not upper respiratory tract.** J Med Virol 2022; Stauft CB, Selvaraj P, Lien CZ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128693
36. **Identification of SARS-CoV-2 surface therapeutic targets and drugs using molecular modeling methods for inhibition of the virus entry.** J. Mol. Struct.

2022; 1256:132488Farhadian S, Heidari-Soureshjani E, Hashemi-Shahraki F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125515
37. **Thrombosis pathways in COVID-19 vs. influenza-associated ARDS: A targeted proteomics approach.** J Thromb Haemost 2022; Rademaker E, Doorduijn DJ, Kusadasi N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150462
38. **Age-Related Susceptibility of Ferrets to SARS-CoV-2 Infection.** J. Virol. 2022; 96:e0145521Martins M, Fernandes MHV, Joshi LR, Diel DG. http://www.ncbi.nlm.nih.gov/pubmed/?term=34817200
39. **Analysis of Glycosylation and Disulfide Bonding of Wild-Type SARS-CoV-2 Spike Glycoprotein.** J. Virol. 2022; 96:e0162621Zhang S, Go EP, Ding H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34817202
40. **Clinical and experimental bacteriophage studies: Recommendations for possible approaches for standing against SARS-CoV-2.** Microb. Pathog. 2022; 164:105442Shahin K, Zhang L, Mehraban MH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151823
41. **A Feasible Alternative Strategy Targeting Furin Disrupts SARS-CoV-2 Infection Cycle.** Microbiol Spectr 2022; 10:e0236421Mondal T, Shivange G, Habieb A, Tushir-Singh J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35138160
42. **The crucial role of prolactin-lactogenic hormone in Covid-19.** Mol. Cell. Biochem. 2022:1-12Al-Kuraishy HM, Al-Gareeb AI, Butnariu M, Batiha GE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147901
43. **Systematic virtual screening in search of SARS CoV-2 inhibitors against spike glycoprotein: pharmacophore screening, molecular docking, ADMET analysis and MD simulations.** Mol. Divers. 2022:1-18Dhameliya TM, Nagar PR, Gajjar ND. http://www.ncbi.nlm.nih.gov/pubmed/?term=35132518
44. **Probing marine brown macroalgal phlorotannins as antiviral candidate against SARS-CoV-2: molecular docking and dynamics simulation approach.** Mol. Divers. 2022; Gunaseelan S, Arunkumar M, Aravind MK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152367
45. **Human inhalable antibody fragments neutralizing SARS-CoV-2 variants for COVID-19 therapy.** Mol. Ther. 2022; Minenkova O, Santapaola D, Milazzo FM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167974
46. **Engineered extracellular vesicles directed to the spike protein inhibit SARS-CoV-2.** Mol Ther Methods Clin Dev 2022; 24:355-366Scott TA, Supramaniam A, Idris A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127966
47. **RIG-I-induced innate antiviral immunity protects mice from lethal SARS-CoV-2 infection.** Mol Ther Nucleic Acids 2022; 27:1225-1234Marx S, Kümmerer BM, Grützner C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186439
48. **Isolation and In Silico Anti-SARS-CoV-2 Papain-Like Protease Potentialities of Two Rare 2-Phenoxychromone Derivatives from Artemisia spp.** Molecules 2022; 27Suleimen YM, Jose RA, Suleimen RN *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35209006
49. **The role of vitamin B12 in viral infections: a comprehensive review of its relationship with the muscle-gut-brain axis and implications for SARS-CoV-2 infection.** Nutr. Rev. 2022; 80:561-578Batista KS, Cintra VM, Lucena PAF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34791425
50. **Identification of immunodominant epitopes on nucleocapsid and spike proteins of the SARS-CoV-2 in Iranian COVID-19 patients.** Pathog Dis 2022;

80Maghsood F, Shokri MR, Jeddi-Tehrani M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34994386

51. **The pH Effects on SARS-CoV and SARS-CoV-2 Spike Proteins in the Process of Binding to hACE2.** Pathogens 2022; 11Xie Y, Guo W, Lopez-Hernadez A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215181
52. **Metaviromic identification of discriminative genomic features in SARS-CoV-2 using machine learning.** Patterns (N Y) 2022; 3:100407Park JJ, Chen S. http://www.ncbi.nlm.nih.gov/pubmed/?term=34812427
53. **Antiviral drug discovery by targeting the SARS-CoV-2 polyprotein processing by inhibition of the main protease.** PeerJ 2022; 10:e12929Kandeel M, Kim J, Fayez M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186496
54. **Anticoronaviral Activity of the Natural Phloroglucinols, Dryocrassin ABBA and Filixic Acid ABA from the Rhizome of Dryopteris crassirhizoma by Targeting the Main Protease of SARS-CoV-2.** Pharmaceutics 2022; 14Jin YH, Jeon S, Lee J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214108
55. **SAR and QSAR of COVID-19 Main Protease-Inhibitor Interactions of Recently X-ray Crystalized Complexes.** Proc Natl Acad Sci India Sect B Biol Sci 2022:1-11Ali HM, Soliman AG, Elfiky H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194302
56. **In vitro testing and computational analysis of specific phytochemicals with antiviral activities considering their possible applications against COVID-19.** S Afr J Bot 2022; Ristovski JT, Matin MM, Kong R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165493
57. **Defining biological and biophysical properties of SARS-CoV-2 genetic material in wastewater.** Sci Total Environ 2022; 807:150786Robinson CA, Hsieh HY, Hsu SY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34619200
58. **NAD(+) in COVID-19 and viral infections.** Trends Immunol. 2022; Zheng M, Schultz MB, Sinclair DA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35221228
59. **Hijacking of host mitochondria by Toxoplasma gondii and SARS-CoV-2.** Trends Parasitol 2022; 38:269-271Zhang R, Chen J, Wang D, Fu ZQ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165074
60. **SARS-CoV-2 variants and vaccination.** Zoonoses (Burlingt) 2022; 2Liu Y, Liu J, Shi PY. http://www.ncbi.nlm.nih.gov/pubmed/?term=35284912

Biomarkers - Genetics (134 articles)

1. **Emerging Vaccine-Breakthrough SARS-CoV-2 Variants.** ACS Infect Dis 2022; 8:546-556Wang R, Chen J, Hozumi Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133792
2. **Foe and friend in the COVID-19-associated acute kidney injury: an insight on intrarenal renin-angiotensin system.** Acta Biochim Biophys Sin (Shanghai) 2022; 54:1-11Xu C, Chen Y, Yu J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130610
3. **Relationship between cytokine storm and SARS-CoV-2 infection's worsening.** AIDS Rev. 2022; Guermouche B, Dali-Sahi M, Dennouni-Medjati N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135040
4. **The feasibility of procalcitonin and CPIS score to reduce inappropriate antibiotics use among severe-critically ill COVID-19 pneumonia patients: A pilot study.** Am. J. Infect. Control 2022; Sathitakorn O, Jantarathaneewat K, Weber DJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158008

5. **Relationship Between Blood Lipid Levels and Mortality in Hospitalized COVID-19 Patients.** Angiology 2022:33197211072346Aydın S, Aksakal E, Aydınyılmaz F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35124978
6. **A COVID-19 Vaccinated Patient with Phosphoinositide 3-Kinase Disease with Mild Illness Following SARS-CoV-2 Infection.** Ann. Allergy. Asthma. Immunol. 2022; Sarkaria S, Kalkat A, Hostoffer R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35167905
7. **Association of soluble receptor for advanced glycation end-products (sRAGE) serum on COVID-19 severity: A cross-sectional study.** Ann Med Surg (Lond) 2022; 74:103303Saputra GNR, Yudhawati R, Fitriah M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127073
8. **Clinical and Epidemiological Correlates of Low IFN-Gamma Responses in Mitogen Tube of QuantiFERON Assay in Tuberculosis Infection Screening During the COVID-19 Pandemic: A Population-Based Marker of COVID-19 Mortality?** Arch. Bronconeumol. 2022; Palacios-Gutiérrez JJ, Rodríguez-Guardado A, Arias-Guillén M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185258
9. **The dynamic nature of the coronavirus receptor, angiotensin-converting enzyme 2 (ACE2) in differentiating airway epithelia.** BBA Adv 2022; 2:100044Manna VJ, Choi H, Rotoli SM, Caradonna SJ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35187520
10. **A High-throughput Automated ELISA Assay for Detection of IgG Antibodies to the SARS-CoV-2 Spike Protein.** Bio Protoc 2022; 12:e4301Conkright-Fincham J, Tomomori-Sato C, McGhee R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127991
11. **Common genetic aspects between COVID-19 and sarcoidosis: A network-based approach using gene expression data.** Biochem Biophys Rep 2022; 29:101219Mogal MR, Sompa SA, Junayed A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128085
12. **Upregulation of cytokine signalling in platelets increases risk of thrombophilia in severe COVID-19 patients.** Blood Cells Mol. Dis. 2022; 94:102653Kaur S, Singh A, Kaur J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180460
13. **Prognostic value of estimated glomerular filtration rate in hospitalised older patients (over 65) with COVID-19: a multicentre, European, observational cohort study.** BMC Geriatr. 2022; 22:119Carter B, Ramsay EA, Short R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151257
14. **Clinical and laboratory characteristics of patients hospitalised with COVID-19: clinical outcomes in Abu Dhabi, United Arab Emirates.** BMC Infect. Dis. 2022; 22:136Al Harbi M, Al Kaabi N, Al Nuaimi A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135491
15. **RT-PCR negative COVID-19.** BMC Infect. Dis. 2022; 22:149Parmar H, Montovano M, Banada P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152885
16. **Who is engaging with lateral flow testing for COVID-19 in the UK? The COVID-19 Rapid Survey of Adherence to Interventions and Responses (CORSAIR) study.** BMJ Open 2022; 12:e058060Smith LE, Potts HW, Amlôt R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144956
17. **Transcriptional landscape of circulating platelets from patients with COVID-19 reveals key subnetworks and regulators underlying SARS-CoV-2 infection: implications for immunothrombosis.** Cell Biosci 2022; 12:15Ji W, Chen L, Yang W *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139909

18. **Development of a T cell-based immunodiagnostic system to effectively distinguish SARS-CoV-2 infection and COVID-19 vaccination status.** Cell Host Microbe 2022; 30:388-399.e383Yu ED, Wang E, Garrigan E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172129
19. **Hypothesis: Emerging Roles for Aryl Hydrocarbon Receptor in Orchestrating CoV-2-Related Inflammation.** Cells 2022; 11Guarnieri T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35203299
20. **Modeling and optimal control of mutated COVID-19 (Delta strain) with imperfect vaccination.** Chaos Solitons Fractals 2022; 156:111825Li T, Guo Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125677
21. **The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief report on a comparison of the laboratory diagnosis and literature review.** Clin Chim Acta 2022; 529:42-45Hsiao PJ, Wu KL, Chen YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167842
22. **The FCGR2A rs1801274 polymorphism was associated with the risk of death among COVID-19 patients.** Clin Immunol 2022; 236:108954López-Martínez R, Albaiceta GM, Amado-Rodríguez L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149195
23. **Evaluating the Presence of Replication-Competent Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) From Nursing Home Residents With Persistently Positive Reverse Transcription Polymerase Chain Reaction (RT-PCR) Results.** Clin Infect Dis 2022; 74:525-528Lutgring JD, Tobolowsky FA, Hatfield KM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33988220
24. **Increased Peripheral Blood Neutrophil Activation Phenotypes and Neutrophil Extracellular Trap Formation in Critically Ill Coronavirus Disease 2019 (COVID-19) Patients: A Case Series and Review of the Literature.** Clin Infect Dis 2022; 74:479-489Masso-Silva JA, Moshensky A, Lam MTY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33988226
25. **HDL-cholesterol concentration and risk of SARS-CoV-2 infection in people over 75 years of age: a cohort with half a million participants from the Community of Madrid.** Clin Investig Arterioscler 2021; Lahoz C, Salinero-Fort MA, Cárdenas J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125250
26. **Quantitative measurement of IgG to SARS-CoV-2 antigens using monoclonal antibody-based enzyme-linked immunosorbent assays.** Clin Transl Immunology 2022; 11:e1369Sander I, Kespohl S, Zahradnik E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127087
27. **QCovSML: A reliable COVID-19 detection system using CBC biomarkers by a stacking machine learning model.** Comput. Biol. Med. 2022; 143:105284Rahman T, Khandakar A, Abir FF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180500
28. **D155Y substitution of SARS-CoV-2 ORF3a weakens binding with Caveolin-1.** Comput Struct Biotechnol J 2022; 20:766-778Gupta S, Mallick D, Banerjee K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126886
29. **Advances in the development of therapeutic strategies against COVID-19 and perspectives in the drug design for emerging SARS-CoV-2 variants.** Comput Struct Biotechnol J 2022; 20:824-837Yin J, Li C, Ye C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126885
30. **Lower persistence of anti-nucleocapsid compared to anti-spike antibodies up to one year after SARS-CoV-2 infection.** Diagn. Microbiol. Infect. Dis. 2022;

103:115659Van Elslande J, Oyaert M, Lorent N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35278794

31. **Tracking the Initial Diffusion of SARS-CoV-2 Omicron Variant in Italy by RT-PCR and Comparison with Alpha and Delta Variants Spreading.** Diagnostics (Basel) 2022; 12Caputo V, Calvino G, Strafella C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204558
32. **Implementation of a Rapid RT-LAMP Saliva-Based SARS-CoV-2 Testing Program in the Workplace.** Diagnostics (Basel) 2022; 12Cook BWM, Kobasa K, Tamayo M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204565
33. **Evaluation and Modelling of the Performance of an Automated SARS-CoV-2 Antigen Assay According to Sample Type, Target Population and Epidemic Trends.** Diagnostics (Basel) 2022; 12Yin N, Debuysschere C, Daubie V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204538
34. **Amplification Artifact in SARS-CoV-2 Omicron Sequences Carrying P681R Mutation, New York, USA.** Emerg Infect Dis 2022; 28Heguy A, Dimartino D, Marier C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130474
35. **Spatiotemporal Analyses of 2 Co-Circulating SARS-CoV-2 Variants, New York State, USA.** Emerg Infect Dis 2022; 28:650-659Russell A, O'Connor C, Lasek-Nesselquist E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133957
36. **[Glycaemic control during the COVID-19 pandemic: a catastrophe or a sign of hope for the person with type 1 Diabetes Mellitus?].** Endocrinol Diabetes Nutr 2022; Ramalho D, Rouxinol-Dias A, Tavares P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128336
37. **Prognostic value of copeptin and mid-regional proadrenomedullin in COVID-19-hospitalized patients.** Eur. J. Clin. Invest. 2022:e13753Indirli R, Bandera A, Valenti L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128648
38. **COVID-19 associated multisystemic inflammatory syndrome in 614 children with and without overlap with Kawasaki disease-Turk MIS-C study group.** Eur. J. Pediatr. 2022:1-13Yilmaz Ciftdogan D, Ekemen Keles Y, Cetin BS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129668
39. **Comparison of Inflammation Markers and Severity of Illness Among Patients With COVID-19, Acute Psychiatric Disorders and Comorbidity.** Eur J Psychiatry 2022; Tuna Ö, Ermis C, Darcin AE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125586
40. **True or false: what are the factors that influence COVID-19 diagnosis by RT-qPCR?** Expert Rev Mol Diagn 2022:1-11Benevides Lima L, Mesquita FP, Brasil de Oliveira LL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130461
41. **iSCAN-V2: A One-Pot RT-RPA-CRISPR/Cas12b Assay for Point-of-Care SARS-CoV-2 Detection.** Front Bioeng Biotechnol 2021; 9:800104Aman R, Marsic T, Sivakrishna Rao G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127671
42. **Thymosin-α1 binds with ACE and downregulates the expression of ACE2 in human respiratory epithelia.** Front Biosci (Landmark Ed) 2022; 27:48Zhang YH, Wang WY, Pang XC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35226991
43. **Protein Posttranslational Signatures Identified in COVID-19 Patient Plasma.** Front Cell Dev Biol 2022; 10:807149Vedula P, Tang HY, Speicher DW, Kashina A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35223838
44. **ORF8 and Health Complications of COVID-19 in Down Syndrome Patients.** Front Genet 2022; 13:830426Bensussen A, Valcarcel A, Álvarez-Buylla ER, Díaz J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222544

45. **Potential Immune Indicators for Predicting the Prognosis of COVID-19 and Trauma: Similarities and Disparities.** Front. Immunol. 2021; 12:785946Fouladseresht H, Ghamar Talepoor A, Eskandari N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126355
46. **Clinical Utility of Elecsys Anti-SARS-CoV-2 S Assay in COVID-19 Vaccination: An Exploratory Analysis of the mRNA-1273 Phase 1 Trial.** Front. Immunol. 2021; 12:798117Jochum S, Kirste I, Hortsch S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126362
47. **Measurement of SARS-CoV-2 Antibody Titers Improves the Prediction Accuracy of COVID-19 Maximum Severity by Machine Learning in Non-Vaccinated Patients.** Front. Immunol. 2022; 13:811952Kurano M, Ohmiya H, Kishi Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126396
48. **Pre-COVID-19 Immunity to Common Cold Human Coronaviruses Induces a Recall-Type IgG Response to SARS-CoV-2 Antigens Without Cross-Neutralisation.** Front. Immunol. 2022; 13:790334Miyara M, Saichi M, Sterlin D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222375
49. **Virological and Serological Characterisation of SARS-CoV-2 Infections Diagnosed After mRNA BNT162b2 Vaccination Between December 2020 and March 2021.** Front Med (Lausanne) 2021; 8:815870Colavita F, Meschi S, Gruber CEM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127770
50. **Long-Term Persisting SARS-CoV-2 RNA and Pathological Findings: Lessons Learnt From a Series of 35 COVID-19 Autopsies.** Front Med (Lausanne) 2022; 9:778489Maccio U, Zinkernagel AS, Schuepbach R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223894
51. **SP-D and CC-16 Pneumoproteins' Kinetics and Their Predictive Role During SARS-CoV-2 Infection.** Front Med (Lausanne) 2021; 8:761299Tiezzi M, Morra S, Seminerio J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211479
52. **The Relationship Between Convergent IGH Signatures and Severity of COVID-19 Patients by Next-Generation Sequencing of B-Cell Repertoire.** Front. Microbiol. 2021; 12:833054Cai H, Hu J, Huang L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222317
53. **Cellular Responses to Membrane and Nucleocapsid Viral Proteins Are Also Boosted After SARS-CoV-2 Spike mRNA Vaccination in Individuals With Either Past Infection or Cross-Reactivity.** Front. Microbiol. 2021; 12:812729Vallejo A, Martín-Hondarza A, Gómez S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222312
54. **Platelet Mechanobiology Inspired Microdevices: From Hematological Function Tests to Disease and Drug Screening.** Front. Pharmacol. 2021; 12:779753Zhang Y, Jiang F, Chen Y, Ju LA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126120
55. **Red Blood Cell Abnormalities as the Mirror of SARS-CoV-2 Disease Severity: A Pilot Study.** Front. Physiol. 2021; 12:825055Bouchla A, Kriebardis AG, Georgatzakou HT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126186
56. **Antineutrophil cytoplasmic antibody positivity and clinical implications in COVID-19.** Future Virol. 2022; Güven SC, Apaydın H, Özdemir B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35173795
57. **Prevalence of SARS-CoV-2 in Pregnant Women Assessed by RT-PCR in Franconia, Germany: First Results of the SCENARIO Study (SARS-CoV-2 prEvalence in pregNAncy and at biRth In FrancOnia).** Geburtshilfe Frauenheilkd.

2022; 82:226-234Hein A, Kehl S, Häberle L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169390

58. **Insights into the mutation T1117I in the spike and the lineage B.1.1.389 of SARS-CoV-2 circulating in Costa Rica.** Gene Rep 2022; 27:101554Molina-Mora JA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35155843
59. **Gut microbiota changes are detected in asymptomatic very young children with SARS-CoV-2 infection.** Gut 2022; Nashed L, Mani J, Hazrati S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135843
60. **Gut microbiota composition is associated with SARS-CoV-2 vaccine immunogenicity and adverse events.** Gut 2022; Ng SC, Peng Y, Zhang L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140064
61. **Neutrophil-to-lymphocyte ratio and D-dimer are biomarkers of death risk in severe COVID-19: A retrospective observational study.** Health Sci Rep 2022; 5:e514Terra POC, Donadel CD, Oliveira LC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155834
62. **Has the COVID-19 Pandemic Affected the Prevalence of Diabetic Ketoacidosis in Polish Children with Newly Diagnosed Type 1 Diabetes? An Example of the Largest Polish Pediatric Diabetes Center (Upper Silesia-Katowice, Poland).** Healthcare (Basel) 2022; 10Rusak E, Seget S, Macherski M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206962
63. **3D-printed simulator for nasopharyngeal swab collection for COVID-19.** Infect Dis Now 2022; Koch A, Vermel M, Hansmann Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149235
64. **Incidence and severity of COVID-19 infection post-vaccination: a survey among Indian doctors.** Infection 2022:1-7Parameswaran A, Apsingi S, Eachempati KK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129788
65. **The Impact of Vitamin D Status on COVID-19 Severity among Hospitalized Patients in the Western Region of Saudi Arabia: A Retrospective Cross-Sectional Study.** Int J Environ Res Public Health 2022; 19Bushnaq T, Algethami F, Qadhi A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35162923
66. **The impact of COVID-19 vaccine on sperm quality.** Int J Gynaecol Obstet 2022; Barda S, Laskov I, Grisaru D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128663
67. **Multiscaled causality of infections on viral testing volumes: The case of COVID-19 in Tunisia.** Int. J. Health Plann. Manage. 2022; Saâdaoui F, Rabbouch H, Saadaoui H, Dutheil F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150453
68. **Reduced ADAMTS13 Activity in Correlation with Pathophysiology, Severity, and Outcome of COVID-19: A Retrospective Observational Study.** Int J Infect Dis 2022; 117:334-344Hafez W, Ziade MA, Arya A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167969
69. **Incidence of SARS-CoV-2 infection among previously infected or vaccinated employees.** Int J Infect Dis 2022; 118:21-23Kojima N, Roshani A, Brobeck M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151852
70. **Performance of anterior nares and tongue swabs for nucleic acid, Nucleocapsid, and Spike antigen testing for detecting SARS-CoV-2 against nasopharyngeal PCR and viral culture.** Int J Infect Dis 2022; 117:287-294Montaño MA, Bemer MJ, Heller KB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149246

71. **Clinical and Laboratory Approach to Diagnose COVID-19 Using Machine Learning.** Interdiscip Sci 2022:1-19Chadaga K, Chakraborty C, Prabhu S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133633
72. **SARS-CoV-2-related Myelin Oligodendrocyte Glycoprotein Antibody-associated Disease: A Case Report and Literature Review.** Intern Med 2022; Ide T, Kawanami T, Eriguchi M, Hara H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135920
73. **Integrin mediates cell entry of the SARS-CoV-2 virus independent of cellular receptor ACE2.** J Biol Chem 2022; 298:101710Liu J, Lu F, Chen Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150743
74. **SARS-CoV-2 accessory protein ORF8 is secreted extracellularly as a glycoprotein homodimer.** J Biol Chem 2022; 298:101724Matsuoka K, Imahashi N, Ohno M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35157849
75. **Major trace elements and their binding proteins in the early phase of Covid-19 infection.** J. Biol. Inorg. Chem. 2022; 27:261-269Nedić O, Šunderić M, Robajac D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150336
76. **Heterozygote Advantage of the Type II deiodinase Thr92Ala Polymorphism on Intrahospital Mortality of COVID-19.** J. Clin. Endocrinol. Metab. 2022; de Lima Beltrão FE, de Almeida Beltrão DC, Carvalhal G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137147
77. **"Does Transaminitis Predict Severity and Mortality in COVID 19 Patients?".** J. Clin. Exp. Hepatol. 2022; Padmaprakash KV, Thareja S, Raman N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125781
78. **Low Serum Levels of Interferon Alpha in COVID-19 Patients Are Associated with Older Age.** J Clin Med 2022; 11Alidjinou EK, Hirabidian M, Rabat A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207234
79. **How did Vitamin D Levels of Children Change During COVID-19 Pandemic: A Comparison of Pre-pandemic/Pandemic Periods due to Seasonal Differences.** J. Clin. Res. Pediatr. Endocrinol. 2022; Beyazgül G, Bağ Ö, Yurtseven İ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135185
80. **Evaluation of the QIAstat-Dx Respiratory SARS-CoV-2 panel, a rapid multiplex PCR method for the diagnosis of COVID-19.** J Infect Chemother 2022; Ishikane M, Unoki-Kubota H, Moriya A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35184977
81. **Detection and kinetics of subgenomic SARS-CoV-2 RNA viral load in longitudinal diagnostic RNA positive samples.** J Infect Dis 2022; Deming ME, Dong TQ, Agrawal V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150571
82. **Distinct Homologous and Variant-Specific Memory B-Cell and Antibody Response Over Time after SARS-CoV-2 mRNA Vaccination.** J Infect Dis 2022; Haralambieva IH, Monroe JM, Ovsyannikova IG *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137144
83. **Detection of a COVID-19 cluster by universal SARS-CoV-2 testing in a geriatric hospital and implications for infection control management.** J Infect Prev 2022; 23:25-28Leo F, Tsilimi A, Hillmann C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126678
84. **Long persistence of severe acute respiratory syndrome coronavirus 2 swab positivity in a drowned corpse: a case report.** J Med Case Rep 2022; 16:72Bonelli M, Rosato E, Locatelli M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139890

85. **Oxidative stress and decreased Nrf2 level in pediatric patients with COVID-19.** J Med Virol 2022; Gümüş H, Erat T, Öztürk İ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128704
86. **Amyloid processing in COVID-19-associated neurological syndromes.** J. Neurochem. 2022; Ziff OJ, Ashton NJ, Mehta PR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137414
87. **Statins and Covid-19: The Neglected Front of bidirectional effects.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S133-s136Hussien NR, Al-Niemi MS, Al-Kuraishy HM, Al-Gareeb AI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130236
88. **Clinical Characteristics and Outcomes of COVID-19 Hospitalized Patients: A Comparison between Complete mRNA Vaccination Profile and Natural Immunity.** J Pers Med 2022; 12Marincu I, Citu C, Bratosin F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207747
89. **Metabolic Snapshot of Plasma Samples Reveals New Pathways Implicated in SARS-CoV-2 Pathogenesis.** J. Proteome Res. 2022; 21:623-634Albóniga OE, Jiménez D, Sánchez-Conde M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133846
90. **Longitudinal Plasma Proteomics Analysis Reveals Novel Candidate Biomarkers in Acute COVID-19.** J. Proteome Res. 2022; Mohammed Y, Goodlett DR, Cheng MP *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35143212
91. **A laboratory-based study of COVID-19 in Casablanca, Morocco.** J Public Health Afr 2021; 12:1458Diawara I, Benrahma H, Nida M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126890
92. **The value of thoracic computed tomography scan comparing to reverse transcription-polymerase chain reaction for the diagnosis of COVID-19.** J. Res. Med. Sci. 2021; 26:117Adibi A, Kazemi K, Hajiahmadi S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126580
93. **Evaluation of a COVID-19 Rapid Antigen Testing Program in a Supervised Community Distance Learning Setting for K-8 Students.** J. Sch. Health 2022; Lee RC, Soto DW, Deva S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156210
94. **Thrombosis pathways in COVID-19 vs. influenza-associated ARDS: A targeted proteomics approach.** J Thromb Haemost 2022; Rademaker E, Doorduijn DJ, Kusadasi N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150462
95. **Analysis of Glycosylation and Disulfide Bonding of Wild-Type SARS-CoV-2 Spike Glycoprotein.** J. Virol. 2022; 96:e0162621Zhang S, Go EP, Ding H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34817202
96. **Multiplexed flow cytometric approach for detection of anti-SARS-CoV-2 IgG, IgM and IgA using beads covalently coupled to the nucleocapsid protein.** Lett. Appl. Microbiol. 2022; Zattoni IF, Huergo LF, Gerhardt ECM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148433
97. **SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021.** mBio 2022:e0378821Marques AD, Sherrill-Mix S, Everett JK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130727
98. **Antiviral metabolite 3'-deoxy-3',4'-didehydro-cytidine is detectable in serum and identifies acute viral infections including COVID-19.** Med (N Y) 2022; 3:204-215.e206Mehta R, Chekmeneva E, Jackson H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128501

99. **Micro/nano biomedical devices for point-of-care diagnosis of infectious respiratory diseases.** Med Nov Technol Devices 2022; 14:100116Wang Y, Xu H, Dong Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187465
100. **Assessment of Diagnostic Specificity of Anti-SARS-CoV-2 Antibody Tests and Their Application for Monitoring of Seroconversion and Stability of Antiviral Antibody Response in Healthcare Workers in Moscow.** Microorganisms 2022; 10Kichatova VS, Asadi Mobarkhan FA, Potemkin IA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35208883
101. **The crucial role of prolactin-lactogenic hormone in Covid-19.** Mol. Cell. Biochem. 2022:1-12Al-Kuraishy HM, Al-Gareeb AI, Butnariu M, Batiha GE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147901
102. **NK cell frequencies, function and correlates to vaccine outcome in BNT162b2 mRNA anti-SARS-CoV-2 vaccinated healthy and immunocompromised individuals.** Mol. Med. 2022; 28:20Cuapio A, Boulouis C, Filipovic I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135470
103. **Intravenous vitamin C use and risk of severity and mortality in COVID-19: A systematic review and meta-analysis.** Nutr. Clin. Pract. 2022; Ao G, Li J, Yuan Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148440
104. **Type 1 diabetes is associated with significant changes of ACE and ACE2 expression in peripheral blood mononuclear cells.** Nutr. Metab. Cardiovasc. Dis. 2022; Tonon F, Candido R, Toffoli B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35260304
105. **The role of vitamin B12 in viral infections: a comprehensive review of its relationship with the muscle-gut-brain axis and implications for SARS-CoV-2 infection.** Nutr. Rev. 2022; 80:561-578Batista KS, Cintra VM, Lucena PAF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34791425
106. **Systemic Markers in Ophthalmic Manifestations of Post Corona Virus Disease-19 (COVID-19).** Ocul Immunol Inflamm 2022:1-6Sanjay S Mrcs MSDNBMM, Bhakti Mistra SD, Patro SM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138993
107. **Identification of immunodominant epitopes on nucleocapsid and spike proteins of the SARS-CoV-2 in Iranian COVID-19 patients.** Pathog Dis 2022; 80Maghsood F, Shokri MR, Jeddi-Tehrani M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34994386
108. **Diagnostic efficiency of RT-LAMP integrated CRISPR-Cas technique for COVID-19: A systematic review and meta-analysis.** Pathog Glob Health 2022:1-11Bhatt A, Bumbrah GS, Ruwali M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142264
109. **Genomic and serological assessment of asymptomatic severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infections in child labor.** Pathog Glob Health 2022:1-7Najafi N, Soleimanjahi H, Shahali S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152854
110. **Clinical associations of SARS-CoV-2 viral load using the first WHO International Standard for SARS-CoV-2 RNA.** Pathology 2022; Boan P, Jardine A, Pryce TM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153071
111. **Metaviromic identification of discriminative genomic features in SARS-CoV-2 using machine learning.** Patterns (N Y) 2022; 3:100407Park JJ, Chen S. http://www.ncbi.nlm.nih.gov/pubmed/?term=34812427
112. **SARS-CoV-2 reinfection in a healthcare worker: First case in Portugal confirmed by viral genome sequencing.** Porto Biomed J 2022; 7:e171Nunes-

Silva C, Pereira S, Canelas G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146178

113. **Is the composition of exhaled breath condensate a key to explain the course of COVID-19 in children?** Postepy Dermatol Alergol 2021; 38:1001-1005Krejner-Bienias A, Grzela K, Krenke R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126007
114. **Severe COVID pneumonia and undetectable B cells after vaccination in patients previously treated with rituximab: a case series.** Postgrad. Med. 2022:1-5Sakano T, Bittner EA, Chang MG. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129061
115. **Acceptance of Saliva-Based Specimen Collection for SARS-CoV-2 Testing Among K-12 Students, Teachers, and Staff.** Public Health Rep. 2022:333549221074395McLaughlin HP, Worrell MC, Malone S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137643
116. **Pulmonary vascular inflammation with fatal coronavirus disease 2019 (COVID-19): possible role for the NLRP3 inflammasome.** Respir Res 2022; 23:25Paul O, Tao JQ, West E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144622
117. **[SARS-CoV-2 seroprevalence study in patients undergoing addiction treatment in Madrid.].** Rev. Esp. Salud Publica 2022; 96Díaz Olalla JM, Olmos Espinosa MR, Del Moral Luque JA, Chicharro Romero J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35136012
118. **Humoral and Cellular Response to COVID-19 Vaccination in Patients with Autoimmune Inflammatory Rheumatic Diseases under Real-life Conditions.** Rheumatology (Oxford) 2022; Krasselt M, Wagner U, Nguyen P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35143648
119. **Detection of SARS-CoV-2 in urban stormwater: An environmental reservoir and potential interface between human and animal sources.** Sci Total Environ 2022; 807:151046Bernard K, Davis A, Simpson IM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34673059
120. **Suspect screening of wastewaters to trace anti-COVID-19 drugs: Potential adverse effects on aquatic environment.** Sci Total Environ 2022; 824:153756Cappelli F, Longoni O, Rigato J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151733
121. **Estimating changes in air pollutant levels due to COVID-19 lockdown measures based on a business-as-usual prediction scenario using data mining models: A case-study for urban traffic sites in Spain.** Sci Total Environ 2022; 823:153786González-Pardo J, Ceballos-Santos S, Manzanas R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151743
122. **A sensitive, simple, and low-cost method for COVID-19 wastewater surveillance at an institutional level.** Sci Total Environ 2022; 807:151047Liu P, Ibaraki M, VanTassell J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34673061
123. **Defining biological and biophysical properties of SARS-CoV-2 genetic material in wastewater.** Sci Total Environ 2022; 807:150786Robinson CA, Hsieh HY, Hsu SY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34619200
124. **Introduction of the SARS-CoV-2 Beta variant from Comoros into the Marseille geographical area.** Travel Med Infect Dis 2022; 46:102277Hoang VT, Assoumani L, Delerce J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158042
125. **NAD(+) in COVID-19 and viral infections.** Trends Immunol. 2022; Zheng M, Schultz MB, Sinclair DA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35221228

126. **A Lateral Flow Immunoassay Coupled with a Spectrum-Based Reader for SARS-CoV-2 Neutralizing Antibody Detection.** Vaccines (Basel) 2022; 10Huang RL, Fu YC, Wang YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214731
127. **Autochthonous Outbreak of SARS-CoV-2 Omicron Variant in Booster-Vaccinated (3 Doses) Healthcare Workers in Southern Italy: Just the Tip of the Iceberg?** Vaccines (Basel) 2022; 10Loconsole D, Bisceglia L, Centrone F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214741
128. **Effectiveness of COVID-19 Vaccines against Delta Variant (B.1.617.2): A Meta-Analysis.** Vaccines (Basel) 2022; 10Mahumud RA, Ali MA, Kundu S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214737
129. **Post-Vaccination SARS-CoV-2 Infections among Health Workers at the University Hospital of Verona, Italy: A Retrospective Cohort Survey.** Vaccines (Basel) 2022; 10Porru S, Spiteri G, Monaco MGL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214733
130. **Seroprevalence of SARS-CoV-2 Antibodies and Associated Factors in Healthcare Workers before the Era of Vaccination at a Tertiary Care Hospital in Turkey.** Vaccines (Basel) 2022; 10Sonmezer MC, Erul E, Sahin TK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214715
131. **Significance of HLA Haplotypes in Two Patients with Subacute Thyroiditis Triggered by mRNA-Based COVID-19 Vaccine.** Vaccines (Basel) 2022; 10Stasiak M, Zawadzka-Starczewska K, Lewiński A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35214738
132. **T Cell Response following Anti-COVID-19 BNT162b2 Vaccination Is Maintained against the SARS-CoV-2 Omicron B.1.1.529 Variant of Concern.** Viruses 2022; 14Cohen H, Rotem S, Elia U *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215940
133. **Characterization of the First SARS-CoV-2 Isolates from Aotearoa New Zealand as Part of a Rapid Response to the COVID-19 Pandemic.** Viruses 2022; 14Harfoot R, Lawley B, Hernández LC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215963
134. **SARS-CoV-2 variants and vaccination.** Zoonoses (Burlingt) 2022; 2Liu Y, Liu J, Shi PY. http://www.ncbi.nlm.nih.gov/pubmed/?term=35284912

Children (53 articles)

1. **Ordinary Magic in Extraordinary Circumstances: Factors Associated with Positive Mental Health Outcomes for Early Adolescents During the COVID-19 Pandemic.** Advers Resil Sci 2022:1-15Ashworth E, Putwain DW, McLoughlin S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128460
2. **Epidemiology, clinical characteristics and risk factors of COVID-19 among children in Saudi Arabia: a multicenter chart review study.** BMC Pediatr. 2022; 22:86AlGhamdi A, Al Talhi Y, Al Najjar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151286
3. **Learning in a Pandemic: Primary School children's Emotional Engagement with Remote Schooling during the spring 2020 Covid-19 Lockdown in Ireland.** Child Indic Res 2022:1-22Chzhen Y, Symonds J, Devine D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35194481
4. **Understanding and Measuring Child Well-Being in the Region of Attica, Greece: Round Three.** Child Indic Res 2022:1-17Leriou E, Kollias A,

Anastasopoulou A, Katranis A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126782

5. **Experiences of Pediatric Pain Professionals Providing Care during the COVID-19 Pandemic: A Qualitative Study.** Children (Basel) 2022; 9Killackey T, Baerg K, Dick B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204950
6. **Evolution of SARS-CoV-2 IgG Seroprevalence in Children and Factors Associated with Seroconversion: Results from a Multiple Time-Points Study in Friuli-Venezia Giulia Region, Italy.** Children (Basel) 2022; 9Lazzerini M, Benvenuto S, Mariani I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204966
7. **COVID-19 Infection in Children and Infants: Current Status on Therapies and Vaccines.** Children (Basel) 2022; 9Malcangi G, Inchingolo AD, Inchingolo AM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204969
8. **Caregiver Experiences Managing Persistent Childhood Asthma During the COVID-19 Pandemic.** Clin. Pediatr. (Phila.) 2022:99228211070659Caveney B, Halterman JS, Fagnano M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139689
9. **Focal Seizures in a Child Following COVID-19 Infection: A Case Report.** Cureus 2022; 14:e22083Mydam J, Midivelly S, Vallivedu Chennakesavulu P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165644
10. **Long-Term Complications of COVID-19 Infection in Adolescents and Children.** Curr Pediatr Rep 2022:1-7Thallapureddy K, Thallapureddy K, Zerda E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127274
11. **Who Would Have Predicted Multisystem Inflammatory Syndrome in Children?** Curr. Rheumatol. Rep. 2022; 24:1-11Reiff DD, Cron RQ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150412
12. **Expulsion from Community Childcare Centers During the COVID-19 Pandemic: A Review of One State's Practices.** Early Child Educ J 2022:1-10Giordano K, McKeating E, Chung D, Garcia V. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125857
13. **Family socio-economic status and Chinese Preschoolers' anxious symptoms during the COVID-19 pandemic: the roles of parental investment, parenting style, home quarantine length, and regional pandemic risk.** Early Child Res Q 2022; 60:137-149Zhang L, Cao H, Lin C, Ye P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125643
14. **Which children and young people are at higher risk of severe disease and death after hospitalisation with SARS-CoV-2 infection in children and young people: A systematic review and individual patient meta-analysis.** EClinicalMedicine 2022; 44:101287Harwood R, Yan H, Talawila Da Camara N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169689
15. **COVID-19 associated multisystemic inflammatory syndrome in 614 children with and without overlap with Kawasaki disease-Turk MIS-C study group.** Eur. J. Pediatr. 2022:1-13Yilmaz Ciftdogan D, Ekemen Keles Y, Cetin BS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129668
16. **ORF8 and Health Complications of COVID-19 in Down Syndrome Patients.** Front Genet 2022; 13:830426Bensussen A, Valcarcel A, Álvarez-Buylla ER, Díaz J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222544
17. **Protective SARS-CoV-2 Antibody Response in Children With Inflammatory Bowel Disease.** Front Pediatr 2022; 10:815857Bosa L, Di Chiara C, Gaio P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223697

18. **Caring for Children With Medical Complexity in the Early COVID-19 Pandemic in an Ambulatory Primary Care Setting.** Front Pediatr 2022; 10:813393Driansky A, Pilapil M, Bianco K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223695
19. **Impact of the COVID-19 Pandemic on Mental Health Outcomes of Healthy Children, Children With Special Health Care Needs and Their Caregivers-Results of a Cross-Sectional Study.** Front Pediatr 2022; 10:759066Geweniger A, Barth M, Haddad AD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223688
20. **A Wake-Up Call: Recognizing and Reimaging Responses to Children's Mental Health and Protection Needs as an Integral Part of the COVID-19 Pandemic.** Front Psychiatry 2022; 13:841515Solerdelcoll M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222129
21. **Gut microbiota changes are detected in asymptomatic very young children with SARS-CoV-2 infection.** Gut 2022; Nashed L, Mani J, Hazrati S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135843
22. **Children's Physical Activity and Screen Time during COVID-19 Pandemic: A Qualitative Exploration of Parent Perceptions.** Health Behav Policy Rev 2021; 8:236-246Eyler AA, Schmidt L, Beck A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127961
23. **The involvement matrix as a framework for involving youth with severe communication disabilities in developing health education materials.** Health Expect. 2022; Dada S, May A, Bastable K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146854
24. **Has the COVID-19 Pandemic Affected the Prevalence of Diabetic Ketoacidosis in Polish Children with Newly Diagnosed Type 1 Diabetes? An Example of the Largest Polish Pediatric Diabetes Center (Upper Silesia-Katowice, Poland).** Healthcare (Basel) 2022; 10Rusak E, Seget S, Macherski M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206962
25. **Changes in Physical Fitness during COVID-19 Pandemic Lockdown among Adolescents: A Longitudinal Study.** Healthcare (Basel) 2022; 10Zhou T, Zhai X, Wu N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206965
26. **Factors affecting the transmission of SARS-CoV-2 in school settings.** Influenza Other Respir Viruses 2022; Yuan H, Reynolds C, Ng S, Yang W. http://www.ncbi.nlm.nih.gov/pubmed/?term=35146922
27. **Association between the Physical Activity Behavioral Profile and Sedentary Time with Subjective Well-Being and Mental Health in Chilean University Students during the COVID-19 Pandemic.** Int J Environ Res Public Health 2022; 19Reyes-Molina D, Alonso-Cabrera J, Nazar G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206294
28. **SARS-CoV-2 attacks the weakest point - COVID-19 course in a pediatric patient with Friedreich's ataxia.** Int J Infect Dis 2022; 117:284-286Faltin K, Lewandowska Z, Małeckia P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172183
29. **Cardiac dysfunction in Multisystem Inflammatory Syndrome in Children: An Italian single-center study.** Ital. J. Pediatr. 2022; 48:25Mannarino S, Raso I, Garbin M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135600
30. **Is It Useful to Determine the Temperature of Children for COVID-19 Screening in the Dental Setting?** J Clin Med 2022; 11García-Mato E, Varela-Aneiros I, Abeleira-Pazos M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207248
31. **A Comprehensive Review of Neuromuscular Manifestations of COVID-19 and Management of Pre-Existing Neuromuscular Disorders in Children.** J Clin Med

2022; 11Goetschius DJ, Kim Y, Kumar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207206

32. **How did Vitamin D Levels of Children Change During COVID-19 Pandemic: A Comparison of Pre-pandemic/Pandemic Periods due to Seasonal Differences.** J. Clin. Res. Pediatr. Endocrinol. 2022; Beyazgül G, Bağ Ö, Yurtseven İ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135185
33. **Neurological complications of COVID-19 in children and the associated immunological responses.** J King Saud Univ Sci 2022; 34:101884Siddique R, Khan S, Shabana *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35221605
34. **COVID-19 vaccines: a look at the ethics of the clinical research involving children.** J. Med. Ethics 2022; Cabiedes-Miragaya L, Galende-Domínguez I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144979
35. **Oxidative stress and decreased Nrf2 level in pediatric patients with COVID-19.** J Med Virol 2022; Gümüş H, Erat T, Öztürk İ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128704
36. **Multi-systemic inflammatory syndrome in childhood (MIS-C): A review article.** J. Pak. Med. Assoc. 2021; 71(Suppl 9):S70-s73Akram NN, Nori W, Al Qaissi KW, Abdulrahman Hadi BA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130265
37. **The utilization of telehealth during the COVID-19 pandemic: An American pediatric surgical association survey.** J. Pediatr. Surg. 2022; Shah A, Skertich NJ, Sullivan GA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35249736
38. **Premature twin neonates with a Coronavirus-19 positive mother present with an unusual pattern of intestinal ischemia.** J Pediatr Surg Case Rep 2022; 78:102173Retajczyk CT, Jaffee IM, McKim KJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127444
39. **Evaluation of a COVID-19 Rapid Antigen Testing Program in a Supervised Community Distance Learning Setting for K-8 Students.** J. Sch. Health 2022; Lee RC, Soto DW, Deva S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156210
40. **COVID-19 Pneumonia and Status Asthmaticus With Respiratory Failure in a Pediatric Patient: A Simulation for Emergency Medicine Providers.** MedEdPORTAL 2022; 18:11214Tsao HS, Kelley MN, Allister L, Wing R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128048
41. **Mycoplasma pneumoniae among Chinese Outpatient Children with Mild Respiratory Tract Infections during the Coronavirus Disease 2019 Pandemic.** Microbiol Spectr 2022; 10:e0155021Chen J, Zhang J, Lu Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138173
42. **Mitigating the effects of COVID-19 on the work of a children's clinical research facility.** Nurs. Child. Young People 2022; Gray A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128879
43. **Assessment level of physical activity of young school children in Montenegro, using the PAQ-C questionnaire, during the COVID-19 pandemic.** Nutr. Hosp. 2022; 39:239-240Bacovic D. http://www.ncbi.nlm.nih.gov/pubmed/?term=34907782
44. **Age-related differences in SARS-CoV-2 binding factors: An explanation for reduced susceptibility to severe COVID-19 among children?** Paediatr. Respir. Rev. 2022; Abrehart T, Suryadinata R, McCafferty C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35227628
45. **Evolution of incidence of chilblain-like lesions in children during the first year of COVID-19 pandemic.** Pediatr. Dermatol. 2022; Bascuas-Arribas M, Andina-

Martinez D, Añon-Hidalgo J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129855
46. **Is the composition of exhaled breath condensate a key to explain the course of COVID-19 in children?** Postepy Dermatol Alergol 2021; 38:1001-1005Krejner-Bienias A, Grzela K, Krenke R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126007
47. **Sleep in the time of COVID-19: findings from 17000 school-aged children and adolescents in the UK during the first national lockdown.** Sleep Adv 2022; 3:zpab021Illingworth G, Mansfield KL, Espie CA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128401
48. **The impact of gender differences, school adjustment, social interactions, and social activities on emotional and behavioral reactions to the COVID-19 pandemic among Japanese school children.** SSM Ment Health 2022; 2:100077Ishimoto Y, Yamane T, Matsumoto Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35190801
49. **Status of Planned and Ongoing Paediatric Trials Investigating COVID-19 Vaccines: A Cross-Sectional Study of Paediatric Clinical Trials Planned in Agreed PIPs and/or Registered in Clinical Trial Databases.** Ther Innov Regul Sci 2022:1-9Christiansen H, Thirstrup S, Hallgreen CE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129826
50. **Impact of the COVID-19 pandemic on routine immunization coverage in children under 2 years old in Ontario, Canada: A retrospective cohort study.** Vaccine 2022; 40:1790-1798Ji C, Piché-Renaud PP, Apajee J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35164987
51. **A phase 1/2 randomised placebo-controlled study of the COVID-19 vaccine mRNA-1273 in healthy Japanese adults: An interim report.** Vaccine 2022; 40:2044-2052Masuda T, Murakami K, Sugiura K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177302
52. **Medical factors associated with caregiver intention to vaccinate their children against COVID-19.** Vaccine X 2022; 10:100144Phan TT, Enlow PT, Wong MK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128377
53. **Systemic and Lower Respiratory Tract Immunity to SARS-CoV-2 Omicron and Variants in Pediatric Severe COVID-19 and Mis-C.** Vaccines (Basel) 2022; 10Tang J, Randolph AG, Novak T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214728

Clinical Features (41 articles)

1. **[The dry eye syndrome, a pathology in strong progression].** Actual. Pharm. 2022; 61:35-38Sergheraert L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125634
2. **Olfactory dysfunction as a post-infectious symptom of SARS-CoV-2 infection.** Ann Med Surg (Lond) 2022; 75:103352Othman BA, Maulud SQ, Jalal PJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169465
3. **Residual symptoms and the quality of life in individuals recovered from COVID-19 infection: A survey from Pakistan.** Ann Med Surg (Lond) 2022; 75:103361Qamar MA, Martins RS, Dhillon RA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186286
4. **Clinical and Epidemiological Correlates of Low IFN-Gamma Responses in Mitogen Tube of QuantiFERON Assay in Tuberculosis Infection Screening**

During the COVID-19 Pandemic: A Population-Based Marker of COVID-19 Mortality? Arch. Bronconeumol. 2022; Palacios-Gutiérrez JJ, Rodríguez-Guardado A, Arias-Guillén M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185258

5. **Morphological and tissue-based molecular characterization of oral lesions in patients with COVID-19: A living systematic review.** Arch. Oral Biol. 2022; 136:105374Silveira FM, Mello ALR, da Silva Fonseca L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180550
6. **Clinical and laboratory characteristics of patients hospitalised with COVID-19: clinical outcomes in Abu Dhabi, United Arab Emirates.** BMC Infect. Dis. 2022; 22:136Al Harbi M, Al Kaabi N, Al Nuaimi A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135491
7. **'I can't cope with multiple inputs': a qualitative study of the lived experience of 'brain fog' after COVID-19.** BMJ Open 2022; 12:e056366Callan C, Ladds E, Husain L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149572
8. **Incidence and severity of SARS-CoV-2 virus post COVID-19 vaccination: A cross-sectional study in India.** Clin Epidemiol Glob Health 2022; 14:100983Selvaraj P, Muthu S, Jeyaraman N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155844
9. **Self-Assessed Severity as a Determinant of COVID-19 Symptom Specificity: A Longitudinal Cohort Study.** Clin Infect Dis 2022; Bershteyn A, Dahl AM, Dong TQ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152299
10. **Rheumatologic Manifestations of Post SARS-CoV-2 Infection: A Case Series.** Curr. Rheumatol. Rev. 2022; Metyas S, Chen C, Aung T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152867
11. **Long-Term Symptoms among COVID-19 Survivors in Prospective Cohort Study, Brazil.** Emerg Infect Dis 2022; 28:730-733Bonifácio LP, Csizmar VNF, Barbosa-Júnior F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133956
12. **Clinical patterns of somatic symptoms in patients suffering from post-acute long COVID: a systematic review.** Eur J Clin Microbiol Infect Dis 2022:1-31Nguyen NN, Hoang VT, Dao TL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142947
13. **Non-fatal strangulation and COVID-19 common symptoms and signs: considerations for medical and forensic assessment.** Forensic Sci. Med. Pathol. 2022; Bugeja L, Rowse J, Cunningham N, Parkin JA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137342
14. **Unraveling Muscle Impairment Associated With COVID-19 and the Role of 3D Culture in Its Investigation.** Front Nutr 2022; 9:825629Seixas M, Mitre LP, Shams S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223956
15. **Cervical and preauricular lymphadenopathies as atypical manifestations in the setting of COVID-19: a case report.** Future Virol. 2022; Ala A, Habtemariam S, Vahdati SS, Rezabakhsh A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35186108
16. **Comparative Analysis of Human Body Temperatures Measured with Noncontact and Contact Thermometers.** Healthcare (Basel) 2022; 10Dolibog P, Pietrzyk B, Kierszniok K, Pawlicki K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206944
17. **Long COVID-19 symptoms: Clinical characteristics and recovery rate among non-severe outpatients over a six-month follow-up.** Infect Dis Now 2022; Seang S, Itani O, Monsel G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158095
18. **Exploring the trajectory recovery curve of the number of post-COVID Symptoms: The LONG-COVID-EXP-CM Multicenter Study.** Int J Infect Dis 2022;

117:201-203Fernández-de-Las-Peñas C, Martín-Guerrero JD, Cancela-Cilleruelo I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150911

19. **Hospitalized patients with breakthrough COVID-19: Clinical features and poor outcome predictors.** Int J Infect Dis 2022; 118:89-94Moreno-Perez O, Ribes I, Boix V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172182
20. **Clinical and Laboratory Approach to Diagnose COVID-19 Using Machine Learning.** Interdiscip Sci 2022:1-19Chadaga K, Chakraborty C, Prabhu S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133633
21. **CR19: a framework for preliminary detection of COVID-19 in cough audio signals using machine learning algorithms for automated medical diagnosis applications.** J Ambient Intell Humaniz Comput 2022:1-13Hemdan EE, El-Shafai W, Sayed A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126765
22. **Anosmia (smell failure) and dysgeusia (taste distortion) in COVID-19: it is genetic.** J Biomol Struct Dyn 2022:1-4Hendaus MA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147485
23. **Is It Useful to Determine the Temperature of Children for COVID-19 Screening in the Dental Setting?** J Clin Med 2022; 11García-Mato E, Varela-Aneiros I, Abeleira-Pazos M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207248
24. **Patterns of Long COVID Symptoms: A Multi-Center Cross Sectional Study.** J Clin Med 2022; 11Yelin D, Margalit I, Nehme M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207171
25. **Multidisciplinary Approach to Brain Fog and Related Persisting Symptoms Post COVID-19.** J Health Serv Psychol 2022:1-8Krishnan K, Lin Y, Prewitt KM, Potter DA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128461
26. **Early identification of novel coronavirus (COVID-19) pneumonia using clinical and radiographic findings.** J Infect Chemother 2022; 28:718-721Miyashita N, Nakamori Y, Ogata M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35190258
27. **Recovery of olfactory and gustatory dysfunctions in coronavirus disease 2019 patients: a prospective cohort study.** J. Laryngol. Otol. 2022:1-8Taziki Balajelini MH, Vakili MA, Rajabi A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35220983
28. **Vitiligo Following Coronavirus Disease (COVID-19): A Case Report and Review of Pathophysiology.** JAAD Case Rep 2022; Schmidt AF, Rubin A, Milgraum D, Wassef C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35169601
29. **Risk factors for hand eczema in the general population of Saudi Arabia during the COVID-19 pandemic: An internet-based cross-sectional study.** JAAD Int 2022; 6:119-124Alkhalifah A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35199046
30. **Association between alopecia areata and COVID-19: A systematic review.** JAAD Int 2022; 7:57-61Christensen RE, Jafferany M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165668
31. **Cutaneous manifestations of COVID-19 in a tertiary COVID-19 referral hospital in the Philippines.** JAAD Int 2022; 7:44-51Tan CC, Dofitas BL, Frez MLF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128486
32. **Systemic Markers in Ophthalmic Manifestations of Post Corona Virus Disease-19 (COVID-19).** Ocul Immunol Inflamm 2022:1-6Sanjay S Mrcs MSDNBMM, Bhakti Mistra SD, Patro SM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138993
33. **Evaluation of post-COVID health status using the EuroQol-5D-5L scale.** Pathog Glob Health 2022:1-11Hegde S, Sreeram S, Bhat KR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129097

34. **Genomic and serological assessment of asymptomatic severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infections in child labor.** Pathog Glob Health 2022:1-7Najafi N, Soleimanjahi H, Shahali S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152854
35. **Evolution of incidence of chilblain-like lesions in children during the first year of COVID-19 pandemic.** Pediatr. Dermatol. 2022; Bascuas-Arribas M, Andina-Martinez D, Añon-Hidalgo J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129855
36. **Cutaneous manifestations of coronavirus disease 2019 - review of literature and case reports.** Postepy Dermatol Alergol 2021; 38:943-947Ciechanowicz P, Szymańska E, Wiszniewski K, Walecka I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125998
37. **Oxygen therapy limiting peripheral oxygen saturation to 89-93% is associated with a better survival prognosis for critically ill COVID-19 patients at high altitudes.** Respir. Physiol. Neurobiol. 2022; 299:103868Viruez-Soto A, Arias S, Casas-Mamani R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150939
38. **Two months follow-up of patients with non-critical COVID-19 in Cape Town, South Africa.** S Afr Fam Pract (2004) 2022; 64:e1-e6Mendelsohn AS, Nath N, De Sá A, Von Pressentin KB. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144461
39. **Deferring Nail Mycological Sampling during the COVID-19 Pandemic: Recommendations from a Multidisciplinary Panel of Nail Specialists.** Skin Appendage Disord 2021; 130:1-4Lipner SR, Ghannoum M, Hinshaw MA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127838
40. **Symptoms and risk factors for hospitalization of COVID-19 presented in primary care : An exploratory retrospective study.** Wien. Klin. Wochenschr. 2022:1-9Rabady S, Hoffmann K, Brose M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149931
41. **Clinical features and risk factors of severely and critically ill patients with COVID-19.** World J Clin Cases 2022; 10:840-855Chu X, Zhang GF, Zheng YK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127900

CNS (26 articles)

1. **A case of limbic encephalitis associated with severely COVID-19 infection.** Ann Med Surg (Lond) 2022; 74:103274Elmouhib A, Benramdane H, Ahsayen FZ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127066
2. **A qualitative 5-country comparison of the perceived impacts of COVID-19 on people living with dementia and unpaid carers.** BMC Geriatr. 2022; 22:116Giebel C, Lion K, Mackowiak M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148712
3. **A possible Guillain-Barré syndrome/transverse myelitis overlap syndrome after recent COVID-19.** BMJ Case Rep. 2022; 15Alrubaye R, Bondugula V, Baleguli V, Chofor R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35140089
4. **What factors have influenced quality of life in people with dementia and their family carers during the COVID-19 pandemic: a qualitative study.** BMJ Open 2022; 12:e053563Daley S, Akarsu N, Armsby E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144951
5. **Neuropsychological deficits in patients with cognitive complaints after COVID-19.** Brain Behav 2022:e2508García-Sánchez C, Calabria M, Grunden N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137561

6. **Rapid vigilance and episodic memory decrements in COVID-19 survivors.** Brain Commun 2022; 4:fcab295Zhao S, Shibata K, Hellyer PJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128398
7. **Outcomes in post-acute sequelae of COVID-19 (PASC) at 6 months post-infection Part 1: Cognitive functioning.** Clin. Neuropsychol. 2022:1-23Whiteside DM, Basso MR, Naini SM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130818
8. **Focal Seizures in a Child Following COVID-19 Infection: A Case Report.** Cureus 2022; 14:e22083Mydam J, Midivelly S, Vallivedu Chennakesavulu P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165644
9. **Impact of SARS-CoV-2 Infection in Patients with Neurological Pathology.** Diagnostics (Basel) 2022; 12Axelerad AD, Muja LF, Stroe AZ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204564
10. **Altered motor cortex physiology and dysexecutive syndrome in patients with fatigue and cognitive difficulties after mild COVID-19.** Eur. J. Neurol. 2022; Ortelli P, Ferrazzoli D, Sebastianelli L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138693
11. **The Neuropsychiatric Changes After COVID-19 Quarantine in Patients With Cognitive Impairment and Their Caregivers in Chongqing, China: A Cohort Study.** Front. Aging Neurosci. 2021; 13:762907Yuan S, Zhang W, Yao Q *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35221981
12. **Editorial: Role of Neuroinflammation in the Neuropsychiatric and Neurological Aspects of COVID-19.** Front. Cell. Neurosci. 2022; 16:840121Tremblay ME, Madore C, Tian L, Verkhratsky A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35221927
13. **Alternation of the Autonomic Nervous System Is Associated With Pulmonary Sequelae in Patients With COVID-19 After Six Months of Discharge.** Front. Physiol. 2021; 12:805925Bai T, Zhou D, Yushanjiang F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126184
14. **Zoster meningitis in an immunocompetent young patient post first dose of BNT162b2 mRNA COVID-19 vaccine, a case report.** IDCases 2022; 27:e01452Kerr C, O'Neill S, Szucs A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186672
15. **SARS-CoV-2 attacks the weakest point - COVID-19 course in a pediatric patient with Friedreich's ataxia.** Int J Infect Dis 2022; 117:284-286Faltin K, Lewandowska Z, Małeckia P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172183
16. **A Comprehensive Review of Neuromuscular Manifestations of COVID-19 and Management of Pre-Existing Neuromuscular Disorders in Children.** J Clin Med 2022; 11Goetschius DJ, Kim Y, Kumar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207206
17. **COVID-19-Associated Encephalopathy-Case Series and Clinical Considerations.** J Clin Med 2022; 11Udzik J, Jakubowski P, Niekrasz M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207253
18. **Neurological Immune-Related Adverse Events After COVID-19 Vaccination: A Systematic Review.** J. Clin. Pharmacol. 2022; 62:291-303Shafiq A, Salameh MA, Laswi I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34921562
19. **COVID-19 and Physical Activity Behaviour in People with Neurological Diseases: A Systematic Review.** J Dev Phys Disabil 2022:1-26Abasıyanık Z, Kurt M, Kahraman T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125854

20. **Neurological complications of COVID-19 in children and the associated immunological responses.** J King Saud Univ Sci 2022; 34:101884Siddique R, Khan S, Shabana *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35221605
21. **Guillain-Barré/Miller Fisher overlap syndrome in a patient after coronavirus disease-2019 infection: a case report.** J Med Case Rep 2022; 16:63Mohammadi SM, Abdi R, Karimi Z, Mortazavi F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135595
22. **Amyloid processing in COVID-19-associated neurological syndromes.** J. Neurochem. 2022; Ziff OJ, Ashton NJ, Mehta PR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137414
23. **Misfortune and spy story in the neurological manifestations of Covid-19.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S157-s160Al-Buhadily AK, Hussien NR, Al-Niemi MS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130240
24. **Post-adenoviral-based vaccines Guillain-Barre Syndrome: A proposed mechanism.** Med. Hypotheses 2022; 160:110792Kadkhoda K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35185263
25. **Neurological complications associated with Covid-19; molecular mechanisms and therapeutic approaches.** Rev Med Virol 2022:e2334Mahboubi Mehrabani M, Karvandi MS, Maafi P, Doroudian M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35138001
26. **Multiple Sclerosis Patients and Disease Modifying Therapies: Impact on Immune Responses against COVID-19 and SARS-CoV-2 Vaccination.** Vaccines (Basel) 2022; 10Golshani M, Hrdý J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35214735

Coagulation (15 articles)

1. **Cerebral venous sinus thrombosis as a complication of COVID-19 infection - A case report.** Ann Med Surg (Lond) 2022; 74:103326Rajbhandari S, Rajbhandari S, Chandra A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127077
2. **Incidence of venous thrombotic events and events of special interest in a retrospective cohort of commercially insured US patients.** BMJ Open 2022; 12:e054669Weller SC, Porterfield L, Davis J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140157
3. **Transcriptional landscape of circulating platelets from patients with COVID-19 reveals key subnetworks and regulators underlying SARS-CoV-2 infection: implications for immunothrombosis.** Cell Biosci 2022; 12:15Ji W, Chen L, Yang W *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139909
4. **Thromboprophylaxis in Patients with COVID-19. A Brief Update to the CHEST Guideline and Expert Panel Report.** Chest 2022; Moores LK, Tritschler T, Brosnahan S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167861
5. **The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief report on a comparison of the laboratory diagnosis and literature review.** Clin Chim Acta 2022; 529:42-45Hsiao PJ, Wu KL, Chen YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167842
6. **A Case of Intestinal Perforation Associated with Mesenteric Thrombosis due to Post-COVID-19 Syndrome.** Curr Med Imaging 2022; Gündoğdu E, Cihan Ç, Aydın N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139794

7. **COVID-19 associated with immune thrombocytopenia: a systematic review and meta-analysis.** Expert Rev. Hematol. 2022:1-10Alharbi MG, Alanazi N, Yousef A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35025706
8. **Platelet Mechanobiology Inspired Microdevices: From Hematological Function Tests to Disease and Drug Screening.** Front. Pharmacol. 2021; 12:779753Zhang Y, Jiang F, Chen Y, Ju LA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126120
9. **High incidence of pulmonary thromboembolism in hospitalized SARS-CoV-2 infected patients despite thrombo-prophylaxis.** Heart Lung 2022; 53:77-82El-Qutob D, Alvarez-Arroyo L, Barreda I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180507
10. **SARS-CoV-2 attacks the weakest point - COVID-19 course in a pediatric patient with Friedreich's ataxia.** Int J Infect Dis 2022; 117:284-286Faltin K, Lewandowska Z, Małeckia P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172183
11. **Exclude differentials before diagnosing SARS-CoV-2-associated acute haemorrhagic necrotising encephalitis.** Int J Infect Dis 2022; 117:220-221Finsterer J, Matovu D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35151854
12. **COVID-19, Vaccines, and Thrombotic Events: A Narrative Review.** J Clin Med 2022; 11Abrignani MG, Murrone A, De Luca L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207220
13. **Thrombosis pathways in COVID-19 vs. influenza-associated ARDS: A targeted proteomics approach.** J Thromb Haemost 2022; Rademaker E, Doorduijn DJ, Kusadasi N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150462
14. **Central Retinal Vein Occlusion in a Young Healthy COVID-19 Patient: A Case Report and Literature Review.** Middle East Afr J Ophthalmol 2021; 28:199-202Al-Abri M, Al-Musalami A, Al-Rawahi B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125806
15. **Association of Nonalcoholic Fatty Liver Disease With COVID-19 Severity and Pulmonary Thrombosis: CovidFAT, a Prospective, Observational Cohort Study.** Open Forum Infect Dis 2022; 9:ofac073Vrsaljko N, Samadan L, Viskovic K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35287335

Complications 45 articles)

1. **Characteristics of Takotsubo cardiomyopathy in patients with COVID-19: Systematic scoping review.** Am Heart J Plus 2022; 13:100092Techasatian W, Nishimura Y, Nagamine T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128499
2. **Acute-onset Vogt-Koyanagi-Harada like uveitis following Covid-19 inactivated virus vaccination.** Am J Ophthalmol Case Rep 2022; 26:101404Chen X, Wang B, Li X. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165663
3. **Late retinal and optic nerve vascular complications due to COVID-19 in young individuals.** Am J Ophthalmol Case Rep 2022; 25:101327Larrea J, Villota-Deleu E, Fernández-Vega B, Fernández-Vega Sanz Á. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128164
4. **A multidisciplinary approach to prolonged extracorporeal membrane oxygenation for acute respiratory distress syndrome due to coronavirus 2019-case report.** AME Case Rep 2022; 6:8Biblowitz K, Mullin M, McDermott L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128316

5. **Seroprevalence of hepatitis B and C viruses in moderate and severe COVID-19 inpatients: A cross-sectional study at a referral center in Mexico.** Ann. Hepatol. 2022; 27:100684Jiménez-Mendoza JC, Rivera-López FE, González-Lara MF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167956
6. **Association of ventilator type with hospital mortality in critically ill patients with SARS-CoV2 infection: a prospective study.** Ann Intensive Care 2022; 12:10Ferré A, Marquion F, Delord M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133543
7. **Sequential lateral positioning as a new lung recruitment maneuver: an exploratory study in early mechanically ventilated Covid-19 ARDS patients.** Ann Intensive Care 2022; 12:13Roldán R, Rodriguez S, Barriga F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150355
8. **Multisystem inflammatory syndrome in an adult (MIS-A) due to SARS-CoV-2 infection presenting to a South African hospital.** BMJ Case Rep. 2022; 15Balkaran S, Surdut SP, Rose DM, Freercks R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135793
9. **Pseudomonas aeruginosa modulates alginate biosynthesis and type VI secretion system in two critically ill COVID-19 patients.** Cell Biosci 2022; 12:14Qu J, Cai Z, Duan X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139898
10. **Atypical localization of demodicosis after COVID-19 infection.** Clin Case Rep 2022; 10:e05446Lahouel I, Said El Mabrouk R, Hadhri R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35198203
11. **Tracheostomy timing and clinical outcomes in ventilated COVID-19 patients: a systematic review and meta-analysis.** Crit Care 2022; 26:40Ji Y, Fang Y, Cheng B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135597
12. **Non-invasive oxygenation support in acutely hypoxemic COVID-19 patients admitted to the ICU: a multicenter observational retrospective study.** Crit Care 2022; 26:37Wendel-Garcia PD, Mas A, González-Isern C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135588
13. **Long-Term Complications of COVID-19 Infection in Adolescents and Children.** Curr Pediatr Rep 2022:1-7Thallapureddy K, Thallapureddy K, Zerda E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127274
14. **Who Would Have Predicted Multisystem Inflammatory Syndrome in Children?** Curr. Rheumatol. Rep. 2022; 24:1-11Reiff DD, Cron RQ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150412
15. **Multisystem Inflammatory Syndrome in Adult after First Dose of mRNA Vaccine.** Emerg Infect Dis 2022; 28Miyazato Y, Yamamoto K, Yamada G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148495
16. **COVID-19 associated multisystemic inflammatory syndrome in 614 children with and without overlap with Kawasaki disease-Turk MIS-C study group.** Eur. J. Pediatr. 2022:1-13Yilmaz Ciftdogan D, Ekemen Keles Y, Cetin BS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129668
17. **COVID-19 associated with immune thrombocytopenia: a systematic review and meta-analysis.** Expert Rev. Hematol. 2022:1-10Alharbi MG, Alanazi N, Yousef A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35025706
18. **Exophiala dermatitidis, 'the real black fungus' fungemia in a patient with COVID-19.** IDCases 2022; 27:e01428Tzar MN, Meor Jamaludin WHB, Abdul Wahab A, Ding CH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127454

19. **Critically ill patients with COVID-19 show lung fungal dysbiosis with reduced microbial diversity in patients colonized with Candida spp.** Int J Infect Dis 2022; 117:233-240Viciani E, Gaibani P, Castagnetti A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150910
20. **AKR1B10, One of the Triggers of Cytokine Storm in SARS-CoV2 Severe Acute Respiratory Syndrome.** Int J Mol Sci 2022; 23Chabert C, Vitte AL, Iuso D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35163833
21. **Cardiac dysfunction in Multisystem Inflammatory Syndrome in Children: An Italian single-center study.** Ital. J. Pediatr. 2022; 48:25Mannarino S, Raso I, Garbin M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135600
22. **Tracheal Stenosis After Prolonged Intubation Due to COVID-19.** J Cardiothorac Vasc Anesth 2022; Ayten O, Iscanli IGE, Canoglu K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35283040
23. **Clinical Differences between Community-Acquired Mycoplasma pneumoniae Pneumonia and COVID-19 Pneumonia.** J Clin Med 2022; 11Miyashita N, Nakamori Y, Ogata M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207236
24. **Movement Disorders Induced by SARS-CoV-2 Infection: Protocol for a Scoping Review.** J Clin Med 2022; 11Rosca EC, Vastag Z, Phokaewvarangkul O, Sringean J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35207194
25. **Multiple Aspects of Inappropriate Action of Renin-Angiotensin, Vasopressin, and Oxytocin Systems in Neuropsychiatric and Neurodegenerative Diseases.** J Clin Med 2022; 11Szczepanska-Sadowska E, Wsol A, Cudnoch-Jedrzejewska A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207180
26. **Invasive fungal infections in critically ill COVID-19 patients in a large tertiary university hospital in Israel.** J Crit Care 2022; 69:154004Ayalon O, Cohen MJ, Orenbuch-Harroch E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152143
27. **Clinical Characteristics and Outcomes of COVID-19 Acute Respiratory Distress Syndrome Patients Requiring Invasive Mechanical Ventilation in a Lower Middle-Income Country.** J Crit Care Med (Targu Mures) 2022; 8:23-32Ejaz T, Rehman F, Ahmed A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35274052
28. **The Continuing Emergence of Candida blankii as a Pathogenic Fungus: A New Case of Fungemia in a Patient Infected with SARS-CoV-2.** J Fungi (Basel) 2022; 8Mirchin R, Czeresnia JM, Orner EP *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35205920
29. **[Evaluation of contingency plans in the care of patients in intensive care units in the COVID-19 pandemic].** J Healthc Qual Res 2022; Martínez-Pillado M, Said-Criado I, Martínez-Regueiro A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35249860
30. **Intensive care burden of COVID-19 in tertiary care hospitals during the first year of outbreak in Kawasaki City, Japan: A retrospective cohort study.** J Infect Chemother 2022; 28:678-683Hosoda T, Hamada S, Numata K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177351
31. **Multi-systemic inflammatory syndrome in childhood (MIS-C): A review article.** J. Pak. Med. Assoc. 2021; 71(Suppl 9):S70-s73Akram NN, Nori W, Al Qaissi KW, Abdulrahman Hadi BA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130265
32. **What can we Learn from Patients who Died from Covid-19 Following Escalation to a Respiratory High Dependency Unit for Trial of Non-Invasive Respiratory Support?** J. Palliat. Care 2022:8258597221078381Evans S, Elder P, Shoulder R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138202

33. **Premature twin neonates with a Coronavirus-19 positive mother present with an unusual pattern of intestinal ischemia.** J Pediatr Surg Case Rep 2022; 78:102173Retajczyk CT, Jaffee IM, McKim KJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127444
34. **Prognostic value of inflammatory biomarkers for predicting the extent of lung involvement and final clinical outcome in patients with COVID-19.** J. Res. Med. Sci. 2021; 26:115Abrishami A, Eslami V, Arab-Ahmadi M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126578
35. **COVID-19 in patients with chronic lymphocytic leukemia: a Moscow observational study.** Leuk. Lymphoma 2022:1-10Kochneva O L, Kislova M, Zhelnova EI *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156528
36. **Predicting the necessity of oxygen therapy in the early stage of COVID-19 using machine learning.** Med. Biol. Eng. Comput. 2022:1-12Saadatmand S, Salimifard K, Mohammadi R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35147843
37. **Mycoplasma pneumoniae among Chinese Outpatient Children with Mild Respiratory Tract Infections during the Coronavirus Disease 2019 Pandemic.** Microbiol Spectr 2022; 10:e0155021Chen J, Zhang J, Lu Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138173
38. **COVID-19-associated pulmonary aspergillosis in ICU patients in a German reference centre: Phenotypic and molecular characterisation of Aspergillus fumigatus isolates.** Mycoses 2022; Kirchhoff L, Braun LM, Schmidt D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138651
39. **Aspergillus-PCR in bronchoalveolar lavage - diagnostic accuracy for invasive pulmonary aspergillosis in critically ill patients.** Mycoses 2022; Mikulska M, Furfaro E, Dettori S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138675
40. **[Usage of high-flow oxygen therapy outside the intensive care unit: a possibility to delay or prevent the need for mechanical ventilation among COVID-19 patients].** Orv. Hetil. 2022; 163:254-266Béres A, Orbán K, Szinku Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152206
41. **Worldwide prevalence of fungal coinfections among COVID-19 patients: a comprehensive systematic review and meta-analysis.** Osong Public Health Res Perspect 2022; 13:15-23Soltani S, Zandi M, Faramarzi S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35255675
42. **Autopsy findings of a patient with severe COVID-19 treated with long-term extracorporeal membrane oxygenation.** Respir Med Case Rep 2022; 36:101595Sekihara K, Uemura T, Okamoto T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127436
43. **Fatal disseminated mucormycosis associated with COVID-19.** Respirol Case Rep 2022; 10:e0912Horiguchi T, Tsukamoto T, Toyama Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35198214
44. **Hijacking of host mitochondria by Toxoplasma gondii and SARS-CoV-2.** Trends Parasitol 2022; 38:269-271Zhang R, Chen J, Wang D, Fu ZQ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165074
45. **Outcomes of SARS-CoV-2 infection in cancer versus non-cancer-patients: A population-based study in northeastern Italy.** Tumori 2022:3008916211073771Rugge M, Zorzi M, Guzzinati S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130777

Cured – Recovered (20 articles)

1. **Residual symptoms and the quality of life in individuals recovered from COVID-19 infection: A survey from Pakistan.** Ann Med Surg (Lond) 2022; 75:103361Qamar MA, Martins RS, Dhillon RA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186286
2. **'I can't cope with multiple inputs': a qualitative study of the lived experience of 'brain fog' after COVID-19.** BMJ Open 2022; 12:e056366Callan C, Ladds E, Husain L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149572
3. **Outcomes in post-acute sequelae of COVID-19 (PASC) at 6 months post-infection Part 1: Cognitive functioning.** Clin. Neuropsychol. 2022:1-23Whiteside DM, Basso MR, Naini SM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130818
4. **Rheumatologic Manifestations of Post SARS-CoV-2 Infection: A Case Series.** Curr. Rheumatol. Rev. 2022; Metyas S, Chen C, Aung T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152867
5. **Investigating phenotypes of pulmonary COVID-19 recovery: A longitudinal observational prospective multicenter trial.** Elife 2022; 11Sonnweber T, Tymoszuk P, Sahanic S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35131031
6. **Long-Term Symptoms among COVID-19 Survivors in Prospective Cohort Study, Brazil.** Emerg Infect Dis 2022; 28:730-733Bonifácio LP, Csizmar VNF, Barbosa-Júnior F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133956
7. **Endocrine Follow-up During Post-Acute COVID-19: Practical Recommendations Based on Available Clinical Evidence.** Endocr. Pract. 2022; Pal R, Joshi A, Bhadada SK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158058
8. **Clinical patterns of somatic symptoms in patients suffering from post-acute long COVID: a systematic review.** Eur J Clin Microbiol Infect Dis 2022:1-31Nguyen NN, Hoang VT, Dao TL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142947
9. **Long-Term Persisting SARS-CoV-2 RNA and Pathological Findings: Lessons Learnt From a Series of 35 COVID-19 Autopsies.** Front Med (Lausanne) 2022; 9:778489Maccio U, Zinkernagel AS, Schuepbach R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223894
10. **Handling Post-COVID-19 Sequelae: A Need for Multispecialty Approach.** Front Public Health 2022; 10:843329Makrydakis G, Markaki L, Manikas ED *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223749
11. **Long COVID-19 symptoms: Clinical characteristics and recovery rate among non-severe outpatients over a six-month follow-up.** Infect Dis Now 2022; Seang S, Itani O, Monsel G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158095
12. **Exploring the trajectory recovery curve of the number of post-COVID Symptoms: The LONG-COVID-EXP-CM Multicenter Study.** Int J Infect Dis 2022; 117:201-203Fernández-de-Las-Peñas C, Martín-Guerrero JD, Cancela-Cilleruelo I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150911
13. **Hospitalized patients with breakthrough COVID-19: Clinical features and poor outcome predictors.** Int J Infect Dis 2022; 118:89-94Moreno-Perez O, Ribes I, Boix V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172182
14. **Remote Assessment of Quality of Life and Functional Exercise Capacity in a Cohort of COVID-19 Patients One Year after Hospitalization (TELECOVID).** J

Clin Med 2022; 11Combret Y, Kerné G, Pholoppe F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207176

15. **Patterns of Long COVID Symptoms: A Multi-Center Cross Sectional Study.** J Clin Med 2022; 11Yelin D, Margalit I, Nehme M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207171
16. **Multidisciplinary Approach to Brain Fog and Related Persisting Symptoms Post COVID-19.** J Health Serv Psychol 2022:1-8Krishnan K, Lin Y, Prewitt KM, Potter DA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128461
17. **[Health-related quality of life in patients recovered from COVID-19].** J Healthc Qual Res 2022; Ayuso García B, Pérez López A, Besteiro Balado Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125340
18. **The Pathogenesis and Long-Term Consequences of COVID-19 Cardiac Injury: State-of-the-Art Review.** JACC Basic Transl Sci 2022; Siripanthong B, Asatryan B, Hanff TC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165665
19. **Evaluation of post-COVID health status using the EuroQol-5D-5L scale.** Pathog Glob Health 2022:1-11Hegde S, Sreeram S, Bhat KR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129097
20. **SARS-CoV-2 reinfection in a healthcare worker: First case in Portugal confirmed by viral genome sequencing.** Porto Biomed J 2022; 7:e171Nunes-Silva C, Pereira S, Canelas G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146178

Cardiovascular disease (39 articles)

1. **COVID-19 and the Cardiovascular System: An Update.** Am. J. Med. Sci. 2022; Salabei JK, Asnake ZT, Ismail ZH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151635
2. **Waning humoral immune response to the BNT162b2 vaccine in heart transplant recipients over 6 months.** Am J Transplant 2022; Peled Y, Ram E, Mandelboim M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150072
3. **Cerebral venous sinus thrombosis as a complication of COVID-19 infection - A case report.** Ann Med Surg (Lond) 2022; 74:103326Rajbhandari S, Rajbhandari S, Chandra A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127077
4. **The Spectrum of Acute Cerebrovascular Disease in Patients with COVID-19.** Biomedicines 2022; 10Triay R, Buchhanolla P, Gaudet A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35203644
5. **Changes in QTc interval after hydroxychloroquine therapy in patients with COVID-19 infection: a large, retrospective, multicentre cohort study.** BMJ Open 2022; 12:e051579El Kadri M, Al Falasi O, Ahmed R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140148
6. **Activation of Immune System May Cause Pathophysiological Changes in the Myocardium of SARS-CoV-2 Infected Monkey Model.** Cells 2022; 11Rabbani MY, Rappaport J, Gupta MK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35203260
7. **Sparing the Prod: Providing an alternative to endomyocardial biopsies with non-invasive surveillance after heart transplantation during COVID-19.** CJC Open 2022; Amadio JM, Rodenas-Alesina E, Superina S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187463
8. **COVID-19 vaccination induced myopericarditis: an imager's perspective.** CJC Open 2022; Bews H, Bryson A, Bortoluzzi T *et al.*

http://www.ncbi.nlm.nih.gov/pubmed/?term=35128370
9. **Biopsy-proven Fulminant Myocarditis Requiring Mechanical Circulatory Support Following COVID-19 mRNA Vaccination.** CJC Open 2022; Kazama S, Okumura T, Kimura Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187464
10. **A case series of myocardial infarction in SARS-CoV-2-infected patients: Same complication, different outcomes.** Clin Case Rep 2022; 10:e05304Alizadehasl A, Eslami S, Vakili K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127090
11. **Association Between Statin Use and Poor Outcomes in COVID-19 Patients with Diabetes Mellitus: A Systematic Review.** Curr. Diabetes Rev. 2022; Audrey J, Wisnu W, Tahapary DL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139792
12. **A Case of Intestinal Perforation Associated with Mesenteric Thrombosis due to Post-COVID-19 Syndrome.** Curr Med Imaging 2022; Gündoğdu E, Cihan Ç, Aydın N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139794
13. **Remote-delivered cardiac rehabilitation during COVID-19: a prospective cohort comparison of health-related quality of life outcomes and patient experiences.** Eur. J. Cardiovasc. Nurs. 2022; Candelaria D, Kirkness A, Farrell M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137049
14. **Effects of multimorbidity on incident COVID-19 events and its interplay with COVID-19 event status on subsequent incident myocardial infarction (MI).** Eur. J. Clin. Invest. 2022:e13760Lip GYH, Genaidy A, Tran G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152401
15. **Molecular Mechanisms of Cardiac Injury Associated With Myocardial SARS-CoV-2 Infection.** Front Cardiovasc Med 2021; 8:643958Liu X, Lou L, Zhou L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127841
16. **Impact of COVID-19 Infection Among Heart Transplant Recipients: A Southern Brazilian Experience.** Front Med (Lausanne) 2022; 9:814952Scolari FL, Hastenteufel LCT, Einsfeld L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223912
17. **Delayed cardiac repolarisation as a predictor of in-hospital mortality in patients with COVID-19.** Heart 2022; Fishbein J, Coleman KM, Bhullar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144985
18. **High incidence of pulmonary thromboembolism in hospitalized SARS-CoV-2 infected patients despite thrombo-prophylaxis.** Heart Lung 2022; 53:77-82El-Qutob D, Alvarez-Arroyo L, Barreda I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180507
19. **COVID-19 Pandemic Impact on Percutaneous Coronary Intervention for Acute Coronary Syndromes: An Australian Tertiary Centre Experience.** Heart Lung Circ. 2022; Ramzy J, Martin CA, Burgess S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165052
20. **Remarkable resolution of COVID-19-associated cerebral vasculitis with methylprednisolone.** Infect Dis Now 2022; Benguerfi S, Reizine F, Eugène F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172219
21. **Exclude differentials before diagnosing SARS-CoV-2-associated acute haemorrhagic necrotising encephalitis.** Int J Infect Dis 2022; 117:220-221Finsterer J, Matovu D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35151854
22. **Cardiac dysfunction in Multisystem Inflammatory Syndrome in Children: An Italian single-center study.** Ital. J. Pediatr. 2022; 48:25Mannarino S, Raso I, Garbin M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135600

23. **Impact of Right Ventricular-Pulmonary Circulation Coupling on Mortality in SARS-CoV-2 Infection.** J Am Heart Assoc 2022; 11:e023220Bursi F, Santangelo G, Barbieri A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156389
24. **A case of fulminant myocarditis due to COVID-19 in an adolescent patient successfully treated with venous arterial ECMO as a bridge to recovery.** J. Card. Surg. 2022; Buitrago DH, Munoz J, Finkelstein ER, Mulinari L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152456
25. **Association of atrial fibrillation with infectivity and severe complications of COVID-19: A nationwide cohort study.** J Med Virol 2022; Park J, Shin JI, Kim DH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130367
26. **Premature twin neonates with a Coronavirus-19 positive mother present with an unusual pattern of intestinal ischemia.** J Pediatr Surg Case Rep 2022; 78:102173Retajczyk CT, Jaffee IM, McKim KJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127444
27. **The results of cardiac surgery during the COVID-19 pandemic compared with previous years: a propensity weighted study of outcomes at six months.** J R Soc Med 2022:1410768221077357Day E, Fiorentino F, Abdelkhalek M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129400
28. **The Pathogenesis and Long-Term Consequences of COVID-19 Cardiac Injury: State-of-the-Art Review.** JACC Basic Transl Sci 2022; Siripanthong B, Asatryan B, Hanff TC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165665
29. **Loss of Weight Gained During the COVID-19 Pandemic: Content Analysis of YouTube Videos.** JMIR Form Res 2022; 6:e35164Tang H, Kim S, Laforet PE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34978534
30. **The therapeutic potential of regulatory T cells in reducing cardiovascular complications in patients with severe COVID-19.** Life Sci 2022; 294:120392Saghafi N, Rezaee SA, Momtazi-Borojeni AA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149115
31. **Segmental cardiac strain assessment by two-dimensional speckle-tracking echocardiography in surviving MIS-c patients: Correlations with myocardial flow reserve (MFR) by 13 N-ammonia PET-CT.** Microcirculation 2022:e12750Leal GN, Astley C, Lima MS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146846
32. **Central Retinal Vein Occlusion in a Young Healthy COVID-19 Patient: A Case Report and Literature Review.** Middle East Afr J Ophthalmol 2021; 28:199-202Al-Abri M, Al-Musalami A, Al-Rawahi B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125806
33. **Acute ischemic stroke and COVID-19 pandemic in Brazil: a comparative study of frequency and risk factors before and during SARS-CoV-2 era.** Neurol Sci 2022; Benevides ML, Elias S, Costa PB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141804
34. **[Sinus bradycardia as a potential side effect of favipiravir treatment].** Orv. Hetil. 2022; 163:267-270Szigeti J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152208
35. **Clinical use of real-time remote programming in pacemakers during the COVID-19 pandemic: A case report.** Pacing Clin. Electrophysiol. 2022; Chen X, Liu HX, Tong L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35134252
36. **Impact of the COVID-19 pandemic on in-hospital cardiac arrests in the UK.** Resuscitation 2022; 173:4-11Edwards JM, Nolan JP, Soar J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151777

37. **COVID-19 and the long-term cardio-respiratory and metabolic health complications.** Rev Cardiovasc Med 2022; 23:53Ashton R, Ansdell P, Hume E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35229544
38. **Acute cerebrovascular events in severe and nonsevere COVID-19 patients: a systematic review and meta-analysis.** Rev. Neurosci. 2022; Quintanilla-Sánchez C, Salcido-Montenegro A, González-González JG, Rodríguez-Gutiérrez R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35142148
39. **An interesting finding: What is the relation between aortic enlargement and COVID-19?** Vascular 2022:17085381211068228Bitargil M, Demir T, Çetin HK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129406

Diagnosis (11 articles)

1. **A deep adversarial model for segmentation-assisted COVID-19 diagnosis using CT images.** EURASIP J Adv Signal Process 2022; 2022:10Yao HY, Wan WG, Li X. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194421
2. **True or false: what are the factors that influence COVID-19 diagnosis by RT-qPCR?** Expert Rev Mol Diagn 2022:1-11Benevides Lima L, Mesquita FP, Brasil de Oliveira LL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130461
3. **Exclude differentials before diagnosing SARS-CoV-2-associated acute haemorrhagic necrotising encephalitis.** Int J Infect Dis 2022; 117:220-221Finsterer J, Matovu D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35151854
4. **Clinical and Laboratory Approach to Diagnose COVID-19 Using Machine Learning.** Interdiscip Sci 2022:1-19Chadaga K, Chakraborty C, Prabhu S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133633
5. **CR19: a framework for preliminary detection of COVID-19 in cough audio signals using machine learning algorithms for automated medical diagnosis applications.** J Ambient Intell Humaniz Comput 2022:1-13Hemdan EE, El-Shafai W, Sayed A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126765
6. **Early identification of novel coronavirus (COVID-19) pneumonia using clinical and radiographic findings.** J Infect Chemother 2022; 28:718-721Miyashita N, Nakamori Y, Ogata M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35190258
7. **The value of thoracic computed tomography scan comparing to reverse transcription-polymerase chain reaction for the diagnosis of COVID-19.** J. Res. Med. Sci. 2021; 26:117Adibi A, Kazemi K, Hajiahmadi S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126580
8. **Complexity of the Diagnosis of COVID-19 in the Context of Pandemicity: Need for Excellence in Diagnostic Acumen.** Korean J Fam Med 2022; 43:16-26Joishy SK, Sadohara M, Kurihara M, Tokuda Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130636
9. **Micro/nano biomedical devices for point-of-care diagnosis of infectious respiratory diseases.** Med Nov Technol Devices 2022; 14:100116Wang Y, Xu H, Dong Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187465
10. **A novel study for automatic two-class COVID-19 diagnosis (between COVID-19 and Healthy, Pneumonia) on X-ray images using texture analysis and 2-D/3-D convolutional neural networks.** Multimed Syst 2022:1-19Yaşar H, Ceylan M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125671
11. **COVID-19 Pneumonia and Lung Cancer: A Challenge for the RadiologistReview of the Main Radiological Features, Differential Diagnosis**

and Overlapping Pathologies. Tomography 2022; 8:513-528Guarnera A, Santini E, Podda P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35202206

DM-MS-Obesity (20 articles)

1. **Nurse Case Manager Lifestyle Medicine (NCMLM) in the Type Two Diabetes patient concerning post COVID-19 Pandemic management: Integrated-Scoping literature review.** Ann. Ig. 2022; Cangelosi G, Grappasonni I, Pantanetti P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142333
2. **Obesity augments the disease burden in COVID-19: Updated data from an umbrella review.** Clin Obes 2022:e12508Kristensen NM, Gribsholt SB, Andersen AL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137524
3. **Association Between Statin Use and Poor Outcomes in COVID-19 Patients with Diabetes Mellitus: A Systematic Review.** Curr. Diabetes Rev. 2022; Audrey J, Wisnu W, Tahapary DL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139792
4. **The COVID-19, Obesity, and Food Insecurity Syndemic.** Curr Obes Rep 2022; Pryor S, Dietz W. http://www.ncbi.nlm.nih.gov/pubmed/?term=35138590
5. **[Glycaemic control during the COVID-19 pandemic: a catastrophe or a sign of hope for the person with type 1 Diabetes Mellitus?].** Endocrinol Diabetes Nutr 2022; Ramalho D, Rouxinol-Dias A, Tavares P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128336
6. **Effects of multimorbidity on incident COVID-19 events and its interplay with COVID-19 event status on subsequent incident myocardial infarction (MI).** Eur. J. Clin. Invest. 2022:e13760Lip GYH, Genaidy A, Tran G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152401
7. **COVID-19 associated multisystemic inflammatory syndrome in 614 children with and without overlap with Kawasaki disease-Turk MIS-C study group.** Eur. J. Pediatr. 2022:1-13Yilmaz Ciftdogan D, Ekemen Keles Y, Cetin BS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129668
8. **Has the COVID-19 Pandemic Affected the Prevalence of Diabetic Ketoacidosis in Polish Children with Newly Diagnosed Type 1 Diabetes? An Example of the Largest Polish Pediatric Diabetes Center (Upper Silesia-Katowice, Poland).** Healthcare (Basel) 2022; 10Rusak E, Seget S, Macherski M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206962
9. **Role of diabetes mellitus in the clinical course and outcome of SARS-CoV-2 infected patients.** Hormones (Athens) 2022; Maltezou HC, Pavli A, Tsonou P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138606
10. **Clinical Outcomes Following a Change in Gestational Diabetes Mellitus Diagnostic Criteria Due to the COVID-19 Pandemic: A Case-Control Study.** Int J Environ Res Public Health 2022; 19Keating N, Carpenter K, McCarthy K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35162907
11. **Independent risk factors of COVID-19 pneumonia in vaccinated Mexican adults.** Int J Infect Dis 2022; Murillo-Zamora E, Sánchez-Piña RA, Trujillo X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167967
12. **Obesity and immune system impairment: A global problem during the COVID-19 pandemic.** Int. J. Risk Saf. Med. 2022; Manca R, Bombillar F, Glomski C, Pica A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147561
13. **A Case of New-onset Type 1 Diabetes after Covid-19 mRNA Vaccination.** Intern Med 2022; Yano M, Morioka T, Natsuki Y *et al.*

http://www.ncbi.nlm.nih.gov/pubmed/?term=35135929

14. **Peculiar characteristics of new-onset Type 1 Diabetes during COVID-19 pandemic.** Ital. J. Pediatr. 2022; 48:26Mastromauro C, Blasetti A, Primavera M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139895
15. **Loss of Weight Gained During the COVID-19 Pandemic: Content Analysis of YouTube Videos.** JMIR Form Res 2022; 6:e35164Tang H, Kim S, Laforet PE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34978534
16. **Type 1 diabetes is associated with significant changes of ACE and ACE2 expression in peripheral blood mononuclear cells.** Nutr. Metab. Cardiovasc. Dis. 2022; Tonon F, Candido R, Toffoli B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35260304
17. **Association of Nonalcoholic Fatty Liver Disease With COVID-19 Severity and Pulmonary Thrombosis: CovidFAT, a Prospective, Observational Cohort Study.** Open Forum Infect Dis 2022; 9:ofac073Vrsaljko N, Samadan L, Viskovic K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35287335
18. **COVID-19 vaccination in adolescents and young adults with type 1 diabetes: Glycemic control and side effects.** Pediatr. Diabetes 2022; Piccini B, Pessina B, Pezzoli F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150596
19. **Correlates of psychological distress among adults with obesity during the COVID-19 pandemic.** Psychol. Health 2022:1-18Borgatti AC, Crockett KB, Jacob AE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156476
20. **COVID-19 and the long-term cardio-respiratory and metabolic health complications.** Rev Cardiovasc Med 2022; 23:53Ashton R, Ansdell P, Hume E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35229544

Education and training and science (45 articles)

1. **Impact of COVID-19 on Radiology Residency Selection Process: A Survey of Radiology Residency Programs in the US.** Acad Radiol 2022; Jones HM, Ankem A, Seroogy EA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125277
2. **Remote learning during Covid-19 lockdown: A study on anatomy and histology education for pharmacy students in Jordan.** Anat Sci Educ 2022; 15:249-260Al-Alami ZM, Adwan SW, Alsous M. http://www.ncbi.nlm.nih.gov/pubmed/?term=34951117
3. **Effectiveness of technology-enhanced teaching methods of undergraduate dental skills for local anaesthesia administration during COVID-19 era: students' perception.** BMC Oral Health 2022; 22:40Mladenovic R, AlQahtani S, Mladenovic K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152899
4. **Sustained improvement in fellows' echocardiographic completeness through the coronavirus pandemic with a standardised imaging protocol.** Cardiol. Young 2022:1-7White BR, Chaszczewski KJ, Lemley B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130990
5. **How the COVID-19 pandemic affects job sentiments of rural teachers.** China Econ Rev 2022; 72:101759Li H, Ma M, Liu Q. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125848
6. **Face masks disrupt holistic processing and face perception in school-age children.** Cogn Res Princ Implic 2022; 7:9Stajduhar A, Ganel T, Avidan G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128574

7. **Reinforcement learning based framework for COVID-19 resource allocation.** Comput Ind Eng 2022; 167:107960Zong K, Luo C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125625
8. **Factors Affecting Dental Students' Comfort with Online Synchronous Learning.** Dent J (Basel) 2022; 10McMillan DG, Kalloo OR, Lara RA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35200251
9. **Patient Information Items Needed to Guide the Allocation of Scarce Life-Sustaining Resources: A Delphi Study of Multidisciplinary Experts.** Disaster Med Public Health Prep 2022:1-7Gray MM, Butler CR, Webster LB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139979
10. **Both Sides of the Screen: Predictors of Parents' and Teachers' Depression and Food Insecurity During COVID-19-Related Distance Learning.** Early Child Res Q 2022; Martin A, Partika A, Johnson AD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35153375
11. **Political Prioritization of Early Childhood Education During the COVID-19 Pandemic: A Comparative Policy Analysis of Low- and Middle-Income Countries.** Early Child Res Q 2022; Neuman MJ, Powers S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125642
12. **Hitting where it hurts most: COVID-19 and low-income urban college students.** Econ Educ Rev 2022; 87:102233Rodríguez-Planas N. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125609
13. **Trust in the scientific research community predicts intent to comply with COVID-19 prevention measures: An analysis of a large-scale international survey dataset.** Epidemiol Infect 2022; 150:e36Han H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35131001
14. **University Students' Online Learning During COVID-19: The Role of Grit in Academic Performance.** Front. Psychol. 2022; 13:825047Sulla F, Aquino A, Rollo D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222206
15. **Factors Associated With Underprivileged E-Learning, Session Jam Phobia, and the Subsequent Mental Distress Among Students Following the Extended University Closure in Bangladesh.** Front Public Health 2021; 9:807474Hossain MJ, Ahmmed F, Sarker MMR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223762
16. **Online Education Plight and Countermeasures for MBBS in Chinese Regional Medical Schools Based on the OBE Concept During COVID-19 Pandemic.** Front Public Health 2021; 9:806809Liang Y, Zhang J, Maxwell A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127626
17. **Association of Fear of COVID-19 and Health Literacy Among the General Public in Saudi Arabia: A Cross-Sectional Assessment.** Front Public Health 2021; 9:740625Moussa ML, Moussa FL, Alharbi HA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127609
18. **Bibliometric Analysis of International Scientific Production on Pharmacologic Treatments for SARS-CoV-2/COVID-19 During 2020.** Front Public Health 2021; 9:778203Ruiz-Fresneda MA, Jiménez-Contreras E, Ruiz-Fresneda C, Ruiz-Pérez R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127621
19. **Taking Pause: A COVID-19 Student Reflection on Global Health Research Opportunities, Training, and Institutional Reform.** Front Sociol 2022; 7:768821Chu C, Griffin G, Williams JL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127891

20. **The involvement matrix as a framework for involving youth with severe communication disabilities in developing health education materials.** Health Expect. 2022; Dada S, May A, Bastable K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146854
21. **Informed Consent and Protection of Personal Data in Genetic Research on COVID-19.** Healthcare (Basel) 2022; 10Fedeli P, Scendoni R, Cingolani M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206963
22. **The COVID-19 paradox of online collaborative education: when you cannot physically meet, you need more social interactions.** Heliyon 2022; 8:e08823Kalmar E, Aarts T, Bosman E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128108
23. **Understanding Education Difficulty During COVID-19 Lockdown: Reports on Malaysian University Students' Experience.** IEEE Access 2020; 8:186939-186950Nassr RM, Aborujilah A, Aldossary DA, Aldossary AAA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127298
24. **Identifying factors related to school closures due to COVID-19 in the Middle East and North Africa region.** Int. J. Educ. Dev. 2022; 90:102560Carr OG, Jilani-Hyler N, Murray GR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125638
25. **The impact of digital leadership on teachers' technology integration during the COVID-19 pandemic in Kuwait.** Int J Educ Res 2022; 112:101928AlAjmi MK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153373
26. **Knowledge of COVID-19 Infection Guidelines among the Dental Health Care Professionals of Jazan Region, Saudi Arabia.** Int J Environ Res Public Health 2022; 19Basheer SN, Vinothkumar TS, Albar NHM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206219
27. **Videoconference Fatigue: A Conceptual Analysis.** Int J Environ Res Public Health 2022; 19Döring N, Moor K, Fiedler M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206250
28. **Effects of Health Belief, Knowledge, and Attitude toward COVID-19 on Prevention Behavior in Health College Students.** Int J Environ Res Public Health 2022; 19Kim HY, Shin SH, Lee EH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35162919
29. **Nursing Education during the SARS-CoV-2 Pandemic: Assessment of Students' Satisfaction with e-Learning Environment.** Int J Environ Res Public Health 2022; 19Moreno-Sánchez E, Merino-Godoy MD, Piñero-Claros S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206212
30. **Research on the Mixed Education Mode for the Safety Engineering Major during the Coronavirus (COVID-19) Epidemic.** Int J Environ Res Public Health 2022; 19Yu K, Wu L, Zhou L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206154
31. **Interventional research to tackle antimicrobial resistance in Low Middle Income Countries in the era of the COVID-19 pandemic: lessons in resilience from an international consortium.** Int J Infect Dis 2022; 117:174-178Birgand G, Charani E, Ahmad R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150912
32. **Teleproctoring for Training in Structural Heart Interventions: Initial Real-World Experience During the COVID-19 Pandemic.** J Am Heart Assoc 2022; 11:e023757Beyhoff N, Zhu M, Zanders L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35132869
33. **Search like an expert: Reducing expertise disparity using a hybrid neural index for COVID-19 queries.** J. Biomed. Inform. 2022; 127:104005Nguyen V,

Rybinski M, Karimi S, Xing Z. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144000

34. **The Use of Social Media to Deliver Surgical Education in Response to the COVID-19 Pandemic.** J. Invest. Surg. 2022:1-7Yang S, Jin C, Wang J, Xu X. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130457
35. **COVID-19 vaccines: a look at the ethics of the clinical research involving children.** J. Med. Ethics 2022; Cabiedes-Miragaya L, Galende-Domínguez I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144979
36. **Hospital Schools During COVID-19: Teachers' Perspective.** J Mother Child 2022; Gajda M, Berkowska A, Małkowska-Szkutnik A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139604
37. **Beliefs about the nature of knowledge shape responses to the pandemic: Epistemic beliefs, the Dark Factor of Personality, and COVID-19-related conspiracy ideation and behavior.** J. Pers. 2022; Rudloff JP, Hutmacher F, Appel M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152440
38. **Reopening schools in a context of low COVID-19 contagion: consequences for teachers, students and their parents.** J Popul Econ 2022:1-27Godøy A, Grøtting MW, Hart RK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125667
39. **Evaluation of a COVID-19 Rapid Antigen Testing Program in a Supervised Community Distance Learning Setting for K-8 Students.** J. Sch. Health 2022; Lee RC, Soto DW, Deva S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156210
40. **Impacts of COVID-19 on orthopaedic surgery residency / spine trainee application trends.** N Am Spine Soc J 2021; 8:100088Gardezi M, Moore HG, Socci AR, Grauer JN. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128498
41. **Mitigating the effects of COVID-19 on the work of a children's clinical research facility.** Nurs. Child. Young People 2022; Gray A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128879
42. **SASC: A Simple Approach to Synthetic Cohorts for generating longitudinal observational patient cohorts from COVID-19 clinical data.** Patterns (N Y) 2022:100453Khorchani T, Gadiya Y, Witt G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156066
43. **Psychological underpinnings of pandemic denial - patterns of disagreement with scientific experts in the German public during the COVID-19 pandemic.** Public Underst Sci 2022:9636625211068131Rothmund T, Farkhari F, Ziemer CT, Azevedo F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135408
44. **School and community reopening during the COVID-19 pandemic: a mathematical modelling study.** R Soc Open Sci 2022; 9:211883Yuan P, Aruffo E, Gatov E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127115
45. **The unexpected transition to distance learning at Moroccan universities amid COVID-19: A qualitative study on faculty experience.** Soc Sci Humanit Open 2022; 5:100253Jebbour M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128390

Elderly (12 articles)

1. **Older Europeans' experience of unmet health care during the COVID-19 pandemic (first wave).** BMC Health Serv. Res. 2022; 22:182Tavares AI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35148771
2. **The Experience of Older Adults Socially Distancing during the Early Stages of the COVID-19 Pandemic.** Can. J. Aging 2022:1-8Nelson H, Ziefflie B, Norton D *et*

al. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130996

3. **Evaluating the Presence of Replication-Competent Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) From Nursing Home Residents With Persistently Positive Reverse Transcription Polymerase Chain Reaction (RT-PCR) Results.** Clin Infect Dis 2022; 74:525-528Lutgring JD, Tobolowsky FA, Hatfield KM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33988220
4. **HDL-cholesterol concentration and risk of SARS-CoV-2 infection in people over 75 years of age: a cohort with half a million participants from the Community of Madrid.** Clin Investig Arterioscler 2021; Lahoz C, Salinero-Fort MA, Cárdenas J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125250
5. **Effects of multimorbidity on incident COVID-19 events and its interplay with COVID-19 event status on subsequent incident myocardial infarction (MI).** Eur. J. Clin. Invest. 2022:e13760Lip GYH, Genaidy A, Tran G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152401
6. **Network Topology of Biological Aging and Geroscience-Guided Approaches to COVID-19.** Front Aging 2021; 2Landay A, Bartley J, Banerjee D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128530
7. **BNT162b2 mRNA COVID-19 (Comirnaty) Vaccine Effectiveness in Elderly Patients Who Live in Long-Term Care Facilities: A Nationwide Cohort.** Gerontology 2022:1-8Goldin S, Adler L, Azuri J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35134810
8. **COVID-19 and the Mental Capacity Act in care homes: Perspectives from capacity professionals.** Health Soc Care Community 2022; Kuylen M, Wyllie A, Bhatt V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138011
9. **Good Care during COVID-19: A Narrative Approach to Care Home Staff's Experiences of the Pandemic.** Int J Environ Res Public Health 2022; 19Dohmen MDW, van den Eijnde C, Thielman CLE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206293
10. **Latinos and the Pandemic: Results from the National Social Life, Health, and Aging Project-COVID-19 Study.** J. Appl. Gerontol. 2022:7334648211066920Piedra LM, Howe MJK, Francis J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152789
11. **Low Serum Levels of Interferon Alpha in COVID-19 Patients Are Associated with Older Age.** J Clin Med 2022; 11Alidjinou EK, Hirabidian M, Rabat A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207234
12. **Age-Related Susceptibility of Ferrets to SARS-CoV-2 Infection.** J. Virol. 2022; 96:e0145521Martins M, Fernandes MHV, Joshi LR, Diel DG. http://www.ncbi.nlm.nih.gov/pubmed/?term=34817200

Epidemiology (58 articles)

1. **Activities of medical centers for athletes and spectators at cycling track events in the Tokyo 2020 Olympic and Paralympic Games.** Acute Med Surg 2022; 9:e728Yanagawa Y, Muto T, Shakagori M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169484
2. **Seroprevalence of SARS-CoV-2 antibodies in social housing areas in Denmark.** BMC Infect. Dis. 2022; 22:143Fogh K, Eriksen ARR, Hasselbalch RB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144550

3. **Hospital acquired COVID-19 infections amongst patients before the rollout of COVID-19 vaccinations, a scoping review.** BMC Infect. Dis. 2022; 22:140Ngandu NK, Mmotsa TM, Dassaye R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144556
4. **Estimating the effect of non-pharmaceutical interventions to mitigate COVID-19 spread in Saudi Arabia.** BMC Med 2022; 20:51Bisanzio D, Reithinger R, Alqunaibet A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125108
5. **Epidemiology, clinical characteristics and risk factors of COVID-19 among children in Saudi Arabia: a multicenter chart review study.** BMC Pediatr. 2022; 22:86AlGhamdi A, Al Talhi Y, Al Najjar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151286
6. **COVID-19 measures in Belgium: how perception and adherence of the general population differ between time periods.** BMC Public Health 2022; 22:245van Loenhout JAF, Vanderplanken K, Van den Broucke S, Aujoulat I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125099
7. **Reopening strategies, mobility and COVID-19 infections in Europe: panel data analysis.** BMJ Open 2022; 12:e055938Franks J, Gruss B, Mulas-Granados C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140160
8. **Monitoring of SARS-CoV-2 seroprevalence among primary healthcare patients in the Barcelona Metropolitan Area: the SeroCAP sentinel network protocol.** BMJ Open 2022; 12:e053237Sentís A, Torán P, Esperalba J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140153
9. **Reconciling differences pertaining to the origin of SARS-CoV-2.** Bull Natl Res Cent 2022; 46:28Muhammad YA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153468
10. **COVID-19 epidemic under the K-quarantine model: Network approach.** Chaos Solitons Fractals 2022; 157:111904Choi K, Choi H, Kahng B. http://www.ncbi.nlm.nih.gov/pubmed/?term=35169382
11. **Comparing Covid-19 pandemic waves in hospitalized patients - a retrospective, multicenter, cohort study.** Clin Infect Dis 2022; Niv Y, Eliakim-Raz N, Bar-Lavi Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142823
12. **Feedback in an Epidemic?** Cureus 2022; 14:e22008Taha A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35282511
13. **Tracking the Initial Diffusion of SARS-CoV-2 Omicron Variant in Italy by RT-PCR and Comparison with Alpha and Delta Variants Spreading.** Diagnostics (Basel) 2022; 12Caputo V, Calvino G, Strafella C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204558
14. **Spatiotemporal Analyses of 2 Co-Circulating SARS-CoV-2 Variants, New York State, USA.** Emerg Infect Dis 2022; 28:650-659Russell A, O'Connor C, Lasek-Nesselquist E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133957
15. **Environmental factors and spatiotemporal distribution characteristics of the global outbreaks of the highly pathogenic avian influenza H5N1.** Environ. Sci. Pollut. Res. Int. 2022:1-11Chen W, Zhang X, Zhao W *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128608
16. **Passive Samplers, an Important Tool for Continuous Monitoring of the COVID-19 Pandemic.** Environ. Sci. Pollut. Res. Int. 2022; Jiang AZ, Nian F, Chen H, McBean EA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137317
17. **Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models.** Front Cell Infect Microbiol 2021;

11:806265Rustagi V, Bajaj M, Tanvi *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223534

18. **Prevalence of SARS-CoV-2 in Pregnant Women Assessed by RT-PCR in Franconia, Germany: First Results of the SCENARIO Study (SARS-CoV-2 prEvalence in pregNAncy and at biRth In FrancOnia).** Geburtshilfe Frauenheilkd. 2022; 82:226-234Hein A, Kehl S, Häberle L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169390
19. **Are leading urban centers predisposed to global risks- A analysis of the global south from COVID-19 perspective.** Habitat Int 2022; 121:102517Shekhar H, Rautela M, Maqsood M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125583
20. **Implementing COVID-19 surveillance through inter-organizational coordination: a qualitative study of three cities in Colombia.** Health Policy Plan. 2022; 37:232-242Turner S, Segura C, Niño N. http://www.ncbi.nlm.nih.gov/pubmed/?term=34875065
21. **SARS-CoV-2 in Egypt: epidemiology, clinical characterization and bioinformatics analysis.** Heliyon 2022; 8:e08864Alotaibi B, El-Masry TA, Seadawy MG *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128118
22. **SARS-CoV-2 Seroprevalence Among Whole Blood Donors During First Wave of Covid-19 Pandemic in India.** Indian J. Hematol. Blood Transfus. 2022:1-10Chunchu SR, Ravula U, Gente VK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125705
23. **Incidence of SARS-CoV-2 infection in a cohort of workers from the University of Porto, Portugal.** Infect Dis (Lond) 2022:1-7Costa JPD, Meireles P, Rodrigues PNS, Barros H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129057
24. **Third waves of the COVID-19 pandemic: Prominence of initial public health Interference.** Infect Disord Drug Targets 2022; Mukherjee S, Ray SK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135456
25. **Factors affecting the transmission of SARS-CoV-2 in school settings.** Influenza Other Respir Viruses 2022; Yuan H, Reynolds C, Ng S, Yang W. http://www.ncbi.nlm.nih.gov/pubmed/?term=35146922
26. **SARS-CoV-2 IgG Amongst Dental Workers During the COVID-19 Pandemic.** Int. Dent. J. 2022; Duś-Ilnicka I, Szczygielska A, Kuźniarski A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35249702
27. **Spatial Dynamics and Multiscale Regression Modelling of Population Level Indicators for COVID-19 Spread in Malaysia.** Int J Environ Res Public Health 2022; 19Ganasegeran K, Jamil MFA, Appannan MR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206271
28. **Spatiotemporal Characteristics and Patterns of the COVID-19 Pandemic in China: An Empirical Study Based on 413 Cities or Regions.** Int J Environ Res Public Health 2022; 19Shi J, Wang X, Ci F, Liu K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206260
29. **Healthcare Workers' SARS-CoV-2 Omicron Variant Uncertainty-Related Stress, Resilience, and Coping Strategies during the First Week of the World Health Organization's Alert.** Int J Environ Res Public Health 2022; 19Temsah MH, Alenezi S, Alarabi M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206135
30. **Suburban Road Networks to Explore COVID-19 Vulnerability and Severity.** Int J Environ Res Public Health 2022; 19Uddin S, Khan A, Lu H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206227

31. **Multiscaled causality of infections on viral testing volumes: The case of COVID-19 in Tunisia.** Int. J. Health Plann. Manage. 2022; Saâdaoui F, Rabbouch H, Saadaoui H, Dutheil F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150453
32. **Burden of severe COVID-19 in center of Iran: results of disability-adjusted life years (DALYs).** Int. J. Mol. Epidemiol. Genet. 2021; 12:120-125Taheri Soodejani M, Abedi Gheshlaghi L, Bahrevar V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126835
33. **Outbreak of SARS-CoV-2 at a hospice: terminated after the implementation of enhanced aerosol infection control measures.** Interface Focus 2022; 12:20210066Feathers L, Hinde T, Bale T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35261730
34. **High attack rate in a Tong Lau house outbreak of COVID-19 with subdivided units in Hong Kong.** Interface Focus 2022; 12:20210063Wang Q, Lung DC, Chan PT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35261729
35. **Spread of SARS-CoV-2 aerosols via two connected drainage stacks in a high-rise housing outbreak of COVID-19.** J. Hazard. Mater. 2022; 430:128475Wang Q, Lin Z, Niu J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35183827
36. **COVID-19 infection spread and human mobility.** J Jpn Int Econ 2022; 64:101195Shibamoto M, Hayaki S, Ogisu Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35185279
37. **The COVID-19 pandemic and the "Plague of Athens": comparable features 25 centuries apart.** J Matern Fetal Neonatal Med 2022:1-6Malamitsi-Puchner A, Briana DD. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129047
38. **Novel statistics predict the COVID-19 pandemic could terminate in 2022.** J Med Virol 2022; Chen JM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150458
39. **The contribution of reduced COVID-19 test time in controlling the spread of the disease: A simulation-based approach.** J Public Health Afr 2021; 12:1455Frichi Y, Ben Kacem A, Jawab F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126889
40. **Global spread of a Japan-originated Delta lineage of SARS-CoV-2 after the Tokyo Olympics is most likely unrelated to the Olympics.** J Travel Med 2022; Shimura T, Kosaki K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137177
41. **Determining the Case Fatality Rate of COVID-19 in Italy: Novel Epidemiological Study.** JMIR Public Health Surveill 2022; 8:e32638Yan M, Kang W, Guo Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34963659
42. **Occupational Risk Factors for SARS-CoV-2 Infection in Hospital Health Care Workers: A Prospective Nested Case-Control Study.** Life (Basel) 2022; 12Dusefante A, Negro C, D'Agaro P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207550
43. **Towards an Accurate Estimation of COVID-19 Cases in Kazakhstan: Back-Casting and Capture-Recapture Approaches.** Medicina (Kaunas) 2022; 58Sarría-Santamera A, Abdukadyrov N, Glushkova N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35208577
44. **The "Invisible Enemy" SARS-CoV-2: Viral Spread and Drug Treatment.** Medicina (Kaunas) 2022; 58Tanase A, Manea A, Scurtu AD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35208584
45. **Population density impact on COVID-19 mortality rate: A multifractal analysis using French data.** Physica A 2022; 593:126979Pascoal R, Rocha H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125631

46. **Overlapping timescales obscure early warning signals of the second COVID-19 wave.** Proc. Biol. Sci. 2022; 289:20211809Dablander F, Heesterbeek H, Borsboom D, Drake JM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135355
47. **The 1(st) year of the COVID-19 epidemic in Estonia: a population-based nationwide sequential/consecutive cross-sectional study.** Public Health 2022; 205:150-156Uusküla A, Kalda R, Solvak M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35287021
48. **School and community reopening during the COVID-19 pandemic: a mathematical modelling study.** R Soc Open Sci 2022; 9:211883Yuan P, Aruffo E, Gatov E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127115
49. **Mathematical modeling and stability analysis of the COVID-19 with quarantine and isolation.** Results Phys 2022; 34:105284Gu Y, Ullah S, Khan MA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155087
50. **[SARS-CoV-2 seroprevalence study in patients undergoing addiction treatment in Madrid.].** Rev. Esp. Salud Publica 2022; 96Díaz Olalla JM, Olmos Espinosa MR, Del Moral Luque JA, Chicharro Romero J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35136012
51. **Suspect screening of wastewaters to trace anti-COVID-19 drugs: Potential adverse effects on aquatic environment.** Sci Total Environ 2022; 824:153756Cappelli F, Longoni O, Rigato J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151733
52. **A sensitive, simple, and low-cost method for COVID-19 wastewater surveillance at an institutional level.** Sci Total Environ 2022; 807:151047Liu P, Ibaraki M, VanTassell J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34673061
53. **COVID-19 in New York state: Effects of demographics and air quality on infection and fatality.** Sci Total Environ 2022; 807:150536Mondal S, Chaipitakporn C, Kumar V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34628294
54. **Defining biological and biophysical properties of SARS-CoV-2 genetic material in wastewater.** Sci Total Environ 2022; 807:150786Robinson CA, Hsieh HY, Hsu SY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34619200
55. **Comparative study of a mathematical epidemic model, statistical modeling, and deep learning for COVID-19 forecasting and management.** Socioecon. Plann. Sci. 2022; 80:101249Masum M, Masud MA, Adnan MI *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125526
56. **Data-driven multiscale modelling and analysis of COVID-19 spatiotemporal evolution using explainable AI.** Sustain Cities Soc 2022; 80:103772Chew AWZ, Zhang L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35186668
57. **Introduction of the SARS-CoV-2 Beta variant from Comoros into the Marseille geographical area.** Travel Med Infect Dis 2022; 46:102277Hoang VT, Assoumani L, Delerce J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158042
58. **Characterization of the First SARS-CoV-2 Isolates from Aotearoa New Zealand as Part of a Rapid Response to the COVID-19 Pandemic.** Viruses 2022; 14Harfoot R, Lawley B, Hernández LC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215963

Gastro-enterology (14 articles)

1. **Outcomes of COVID-19 in Patients with Inflammatory Bowel Disease: Comparison with Household Members and the Role of IBD Medications.** Arch

Iran Med 2022; 25:17-25Sima AR, Saberzadeh-Ardestani B, Vahedi H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128908

2. **Correlation of Gastrointestinal Symptoms at Initial Presentation with Clinical Outcomes in Hospitalized COVID-19 Patients: Results from a Large Health System in the Southern USA.** Dig. Dis. Sci. 2022:1-10Patel HK, Kovacic R, Chandrasekar VT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128607
3. **Impact of the COVID-19 pandemic on disease stage and treatment for patients with pancreatic adenocarcinoma: A French comprehensive multicentre ambispective observational cohort study (CAPANCOVID).** Eur. J. Cancer 2022; 166:8-20Brugel M, Letrillart L, Evrard C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35259629
4. **Case Report: A Peculiar Case of Inflammatory Colitis After SARS-CoV-2 Infection.** Front. Immunol. 2022; 13:849140Rutigliani M, Bozzo M, Barberis A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222440
5. **Protective SARS-CoV-2 Antibody Response in Children With Inflammatory Bowel Disease.** Front Pediatr 2022; 10:815857Bosa L, Di Chiara C, Gaio P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223697
6. **An unusual case of COVID-19: What is this "3-D printed model" of the biliary tree?** Gastroenterology 2022; Cenatti A, de Moura DTH, McCarty TR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35149026
7. **Lack of inflammatory bowel disease flare-up following two-dose BNT162b2 vaccine: a population-based cohort study.** Gut 2022; Li X, Tong X, Wong ICK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135842
8. **NAFLD determined by Dallas Steatosis Index is associated with poor outcomes in COVID-19 pneumonia: a cohort study.** Intern Emerg Med 2022; Moctezuma-Velázquez P, Miranda-Zazueta G, Ortiz-Brizuela E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138548
9. **"Does Transaminitis Predict Severity and Mortality in COVID 19 Patients?".** J. Clin. Exp. Hepatol. 2022; Padmaprakash KV, Thareja S, Raman N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125781
10. **Premature twin neonates with a Coronavirus-19 positive mother present with an unusual pattern of intestinal ischemia.** J Pediatr Surg Case Rep 2022; 78:102173Retajczyk CT, Jaffee IM, McKim KJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127444
11. **Association of Nonalcoholic Fatty Liver Disease With COVID-19 Severity and Pulmonary Thrombosis: CovidFAT, a Prospective, Observational Cohort Study.** Open Forum Infect Dis 2022; 9:ofac073Vrsaljko N, Samadan L, Viskovic K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35287335
12. **Viral hepatitis in 2021: The challenges remaining and how we should tackle them.** World J. Gastroenterol. 2022; 28:76-95Dunn R, Wetten A, McPherson S, Donnelly MC. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125820
13. **Metabolic and nutritional triggers associated with increased risk of liver complications in SARS-CoV-2.** World J. Hepatol. 2022; 14:80-97de Jesus RP, de Carvalho JF, de Oliveira LPM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126841
14. **COVID-19 emergency: Changes in quality of life perception in patients with chronic liver disease-An Italian single-centre study.** World J. Hepatol. 2022; 14:274-286Zannella A, Fanella S, Marignani M, Begini P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126854

Guidelines (4 articles)

1. **Thromboprophylaxis in Patients with COVID-19. A Brief Update to the CHEST Guideline and Expert Panel Report.** Chest 2022; Moores LK, Tritschler T, Brosnahan S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167861
2. **How to Reduce Mental Health Burden in Health Care Workers During COVID-19?-A Scoping Review of Guideline Recommendations.** Front Psychiatry 2021; 12:770193Halms T, Strasser M, Kunz M, Hasan A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126194
3. **Home Use Guidance for Aerosol-Generating Procedures During the Coronavirus Disease 2019 Pandemic.** J. Nurse Pract. 2022; George M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165527
4. **Clinical associations of SARS-CoV-2 viral load using the first WHO International Standard for SARS-CoV-2 RNA.** Pathology 2022; Boan P, Jardine A, Pryce TM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153071

Imaging (17 articles)

1. **Quantum Edge Extraction of Chest CT Image for the Detection and Differentiation of Infected Region of COVID-19 Patient.** Arab J Sci Eng 2022:1-12Chetia R, Sahu PP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127328
2. **Quantitative CT comparison between COVID-19 and mycoplasma pneumonia suspected as COVID-19: a longitudinal study.** BMC Med. Imaging 2022; 22:21Liu J, Wang Y, He G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125096
3. **A deep adversarial model for segmentation-assisted COVID-19 diagnosis using CT images.** EURASIP J Adv Signal Process 2022; 2022:10Yao HY, Wan WG, Li X. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194421
4. **Lung Ultrasound Signs and Their Correlation With Clinical Symptoms in COVID-19 Pregnant Women: The "PINK-CO" Observational Study.** Front Med (Lausanne) 2021; 8:768261Vetrugno L, Sala A, Orso D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127744
5. **Detection of COVID-19 Based on Chest X-rays Using Deep Learning.** Healthcare (Basel) 2022; 10Gouda W, Almurafeh M, Humayun M, Jhanjhi NZ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206957
6. **Incidentally Detected COVID-19 Lung Changes during Oncologic Fluorodeoxyglucose Positron Emission Tomography-Computerized Tomography Studies: Experience from Tertiary Care Cancer Hospital.** Indian J. Nucl. Med. 2021; 36:357-361Purandare NC, Prakash A, Shah S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125752
7. **An Efficient Deep Learning Model to Detect COVID-19 Using Chest X-ray Images.** Int J Environ Res Public Health 2022; 19Chakraborty S, Murali B, Mitra AK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206201
8. **Enabling CT-Scans for covid detection using transfer learning-based neural networks.** J Biomol Struct Dyn 2022:1-12Dubey AK, Mohbey KK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129088
9. **Early identification of novel coronavirus (COVID-19) pneumonia using clinical and radiographic findings.** J Infect Chemother 2022; 28:718-721Miyashita N, Nakamori Y, Ogata M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35190258

10. **Efficient multimodal deep-learning-based COVID-19 diagnostic system for noisy and corrupted images.** J King Saud Univ Sci 2022; 34:101898Hammad M, Tawalbeh L, Iliyasu AM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185304
11. **Experiences of radiology personnel about the COVID-19 crisis: A qualitative content analysis.** J. Radiol. Nurs. 2022; Shamshiri M, Dashti-Kalantar R, Karimipoor S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35153632
12. **The value of thoracic computed tomography scan comparing to reverse transcription-polymerase chain reaction for the diagnosis of COVID-19.** J. Res. Med. Sci. 2021; 26:117Adibi A, Kazemi K, Hajiahmadi S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126580
13. **A novel study for automatic two-class COVID-19 diagnosis (between COVID-19 and Healthy, Pneumonia) on X-ray images using texture analysis and 2-D/3-D convolutional neural networks.** Multimed Syst 2022:1-19Yaşar H, Ceylan M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125671
14. **Chest CT-Derived Muscle Analysis in COVID-19 Patients.** Tomography 2022; 8:414-422Antonarelli M, Fogante M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35202199
15. **COVID-19 Pneumonia and Lung Cancer: A Challenge for the RadiologistReview of the Main Radiological Features, Differential Diagnosis and Overlapping Pathologies.** Tomography 2022; 8:513-528Guarnera A, Santini E, Podda P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35202206
16. **Chest radiological finding of COVID-19 in patients with and without diabetes mellitus: Differences in imaging finding.** World J Radiol 2022; 14:13-18Gangadharan S, Parker S, Ahmed FW. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126874
17. **Incidental radiological findings suggestive of COVID-19 in asymptomatic patients.** World J Radiol 2022; 14:1-12Romeih M, Mahrous MR, El Kassas M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126873

Immune response (59 articles)

1. **Waning humoral immune response to the BNT162b2 vaccine in heart transplant recipients over 6 months.** Am J Transplant 2022; Peled Y, Ram E, Mandelboim M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150072
2. **Postvaccination antibody titres predict protection against COVID-19 in patients with autoimmune diseases: survival analysis in a prospective cohort.** Ann. Rheum. Dis. 2022; Ahmed S, Mehta P, Paul A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135831
3. **Distinct impact of DMARD combination and monotherapy in immunogenicity of an inactivated SARS-CoV-2 vaccine in rheumatoid arthritis.** Ann. Rheum. Dis. 2022; Medeiros-Ribeiro AC, Bonfiglioli KR, Domiciano DS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135832
4. **Neutralisation of circulating SARS-CoV-2 delta and omicron variants by convalescent plasma and SARS-CoV-2 hyperimmune intravenous human immunoglobulins for treatment of COVID-19.** Ann. Rheum. Dis. 2022; Zahra FT, Bellusci L, Grubbs G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144925
5. **Anti-SARS-CoV-2 Omicron Antibodies Isolated from a SARS-CoV-2 Delta Semi-Immune Phage Display Library.** Antibodies (Basel) 2022; 11Mendoza-Salazar I,

Gómez-Castellano KM, González-González E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35225871

6. **A High-throughput Automated ELISA Assay for Detection of IgG Antibodies to the SARS-CoV-2 Spike Protein.** Bio Protoc 2022; 12:e4301Conkright-Fincham J, Tomomori-Sato C, McGhee R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127991
7. **Seroprevalence of SARS-CoV-2 antibodies in social housing areas in Denmark.** BMC Infect. Dis. 2022; 22:143Fogh K, Eriksen ARR, Hasselbalch RB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144550
8. **Respiratory mucosal delivery of next-generation COVID-19 vaccine provides robust protection against both ancestral and variant strains of SARS-CoV-2.** Cell 2022; 185:896-915.e819Afkhami S, D'Agostino MR, Zhang A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180381
9. **Development of a T cell-based immunodiagnostic system to effectively distinguish SARS-CoV-2 infection and COVID-19 vaccination status.** Cell Host Microbe 2022; 30:388-399.e383Yu ED, Wang E, Garrigan E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172129
10. **SARS-CoV-2 Omicron Spike recognition by plasma from individuals receiving BNT162b2 mRNA vaccination with a 16-week interval between doses.** Cell Rep. 2022; 38:110429Chatterjee D, Tauzin A, Marchitto L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35216664
11. **Evolution of SARS-CoV-2 IgG Seroprevalence in Children and Factors Associated with Seroconversion: Results from a Multiple Time-Points Study in Friuli-Venezia Giulia Region, Italy.** Children (Basel) 2022; 9Lazzerini M, Benvenuto S, Mariani I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204966
12. **The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief report on a comparison of the laboratory diagnosis and literature review.** Clin Chim Acta 2022; 529:42-45Hsiao PJ, Wu KL, Chen YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167842
13. **Factors associated with SARS-CoV-2 antibody titers and prognosis of breakthrough infection in hemodialysis patients.** Clin. Exp. Nephrol. 2022:1-10Toda M, Yoshifuji A, Kikuchi K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133533
14. **The Effectiveness of the Two-Dose BNT162b2 Vaccine: Analysis of Real-World Data.** Clin Infect Dis 2022; 74:472-478Chodick G, Tene L, Rotem RS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33999127
15. **Evaluating Vaccine Efficacy Against Severe Acute Respiratory Syndrome Coronavirus 2 Infection.** Clin Infect Dis 2022; 74:544-552Lin DY, Gu Y, Zeng D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34260716
16. **Seroresponse to SARS-CoV-2 Vaccines among Maintenance Dialysis Patients over 6 Months.** Clin J Am Soc Nephrol 2022; 17:403-413Hsu CM, Weiner DE, Manley HJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144972
17. **Vaccine effectiveness of ChAdOx1 nCoV-19 against COVID-19 in a socially vulnerable community in Rio de Janeiro, Brazil: a test-negative design study.** Clin Microbiol Infect 2022; Ranzani OT, Silva AAB, Peres IT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150884
18. **Quantitative measurement of IgG to SARS-CoV-2 antigens using monoclonal antibody-based enzyme-linked immunosorbent assays.** Clin Transl Immunology

2022; 11:e1369Sander I, Kespohl S, Zahradnik E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127087

19. **COVID-19 vaccines: Considering sex differences in efficacy and safety.** Contemp Clin Trials 2022; 115:106700Jensen A, Stromme M, Moyassari S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149232
20. **Lower persistence of anti-nucleocapsid compared to anti-spike antibodies up to one year after SARS-CoV-2 infection.** Diagn. Microbiol. Infect. Dis. 2022; 103:115659Van Elslande J, Oyaert M, Lorent N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35278794
21. **Immunogenicity of COVID-19 mRNA vaccines in immunocompromised patients: a systematic review and meta-analysis.** Eur. J. Med. Res. 2022; 27:23Mehrabi Nejad MM, Moosaie F, Dehghanbanadaki H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151362
22. **CD4+ T Cell Immune Specificity Changes After Vaccination in Healthy And COVID-19 Convalescent Subjects.** Front. Immunol. 2021; 12:755891Esparcia-Pinedo L, Martínez-Fleta P, Ropero N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126347
23. **Potential Immune Indicators for Predicting the Prognosis of COVID-19 and Trauma: Similarities and Disparities.** Front. Immunol. 2021; 12:785946Fouladseresht H, Ghamar Talepoor A, Eskandari N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126355
24. **Measurement of SARS-CoV-2 Antibody Titers Improves the Prediction Accuracy of COVID-19 Maximum Severity by Machine Learning in Non-Vaccinated Patients.** Front. Immunol. 2022; 13:811952Kurano M, Ohmiya H, Kishi Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126396
25. **Pre-COVID-19 Immunity to Common Cold Human Coronaviruses Induces a Recall-Type IgG Response to SARS-CoV-2 Antigens Without Cross-Neutralisation.** Front. Immunol. 2022; 13:790334Miyara M, Saichi M, Sterlin D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222375
26. **Response to Vaccination Against SARS-CoV-2 in Patients With Antineutrophil Cytoplasmic Antibody-Associated Vasculitis With Renal Involvement.** Front Med (Lausanne) 2021; 8:817845Carruthers JE, Wells J, Gupta A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127773
27. **Changes in Serum Neutralizing Antibodies Levels During Convalescence of COVID-19 Patients.** Front Med (Lausanne) 2022; 9:829273Chen QQ, Gong L, Wu XM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223924
28. **Cellular Responses to Membrane and Nucleocapsid Viral Proteins Are Also Boosted After SARS-CoV-2 Spike mRNA Vaccination in Individuals With Either Past Infection or Cross-Reactivity.** Front. Microbiol. 2021; 12:812729Vallejo A, Martín-Hondarza A, Gómez S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222312
29. **Protective SARS-CoV-2 Antibody Response in Children With Inflammatory Bowel Disease.** Front Pediatr 2022; 10:815857Bosa L, Di Chiara C, Gaio P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223697
30. **Antineutrophil cytoplasmic antibody positivity and clinical implications in COVID-19.** Future Virol. 2022; Güven SC, Apaydın H, Özdemir B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35173795
31. **BNT162b2 mRNA COVID-19 (Comirnaty) Vaccine Effectiveness in Elderly Patients Who Live in Long-Term Care Facilities: A Nationwide Cohort.**

Gerontology 2022:1-8Goldin S, Adler L, Azuri J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35134810

32. **The relationship between peripheral immune response and disease severity in SARS-CoV-2-infected subjects: A cross-sectional study.** Immunology 2022; Walter LO, Cardoso CC, Santos-Pirath Í M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146763
33. **Obesity and immune system impairment: A global problem during the COVID-19 pandemic.** Int. J. Risk Saf. Med. 2022; Manca R, Bombillar F, Glomski C, Pica A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147561
34. **Immune response to vaccination in adults with mental disorders: A systematic review.** J. Affect. Disord. 2022; 304:66-77Xiao K, Gillissie ES, Lui LMW *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167926
35. **Effect of an exercise bout before the booster dose of an inactivated SARS-CoV-2 vaccine on immunogenicity in immunocompromised patients.** J Appl Physiol (1985) 2022; 132:682-688Gualano B, Saad CGS, Sieczkowska SM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142560
36. **Immune Response of Adult Sickle Cell Disease Patients after COVID-19 Vaccination: The Experience of a Greek Center.** J Clin Med 2022; 11Varelas C, Gavriilaki E, Sakellari I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207208
37. **Neurological Immune-Related Adverse Events After COVID-19 Vaccination: A Systematic Review.** J. Clin. Pharmacol. 2022; 62:291-303Shafiq A, Salameh MA, Laswi I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34921562
38. **Distinct Homologous and Variant-Specific Memory B-Cell and Antibody Response Over Time after SARS-CoV-2 mRNA Vaccination.** J Infect Dis 2022; Haralambieva IH, Monroe JM, Ovsyannikova IG *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137144
39. **Seroprevalence of Anti-SARS-CoV-2 IgG Antibodies among HIV Infected Individuals Attending ART Centre at Pune: A Cross-Sectional Study.** J Int Assoc Provid AIDS Care 2022; 21:23259582221077943Ghate M, Shidhaye P, Gurav S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128977
40. **Efficacy of antibody response following the vaccination of SARS-CoV-2 infected and noninfected healthcare workers by two-dose inactive vaccine against COVID-19.** J Med Virol 2022; Dundar B, Karahangil K, Elgormus CS, Topsakal HNH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128700
41. **Long-term immunity in convalescent Syrian hamsters provides protection against new-variant SARS-CoV-2 infection of the lower but not upper respiratory tract.** J Med Virol 2022; Stauft CB, Selvaraj P, Lien CZ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128693
42. **Clinical Characteristics and Outcomes of COVID-19 Hospitalized Patients: A Comparison between Complete mRNA Vaccination Profile and Natural Immunity.** J Pers Med 2022; 12Marincu I, Citu C, Bratosin F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207747
43. **Multiplexed flow cytometric approach for detection of anti-SARS-CoV-2 IgG, IgM and IgA using beads covalently coupled to the nucleocapsid protein.** Lett. Appl. Microbiol. 2022; Zattoni IF, Huergo LF, Gerhardt ECM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148433
44. **The therapeutic potential of regulatory T cells in reducing cardiovascular complications in patients with severe COVID-19.** Life Sci 2022;

294:120392Saghafi N, Rezaee SA, Momtazi-Borojeni AA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149115

45. **Assessment of Diagnostic Specificity of Anti-SARS-CoV-2 Antibody Tests and Their Application for Monitoring of Seroconversion and Stability of Antiviral Antibody Response in Healthcare Workers in Moscow.** Microorganisms 2022; 10Kichatova VS, Asadi Mobarkhan FA, Potemkin IA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35208883
46. **Elicitation of potent SARS-CoV-2 neutralizing antibody responses through immunization with a versatile adenovirus-inspired multimerization platform.** Mol. Ther. 2022; Chevillard C, Amen A, Besson S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151843
47. **RIG-I-induced innate antiviral immunity protects mice from lethal SARS-CoV-2 infection.** Mol Ther Nucleic Acids 2022; 27:1225-1234Marx S, Kümmerer BM, Grützner C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186439
48. **Safety and humoral response rate of inactivated and mRNA vaccines against SARS-CoV-2 in patients with Multiple Sclerosis.** Mult Scler Relat Disord 2022; 59:103690Ciampi E, Uribe-San-Martin R, Soler B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35182880
49. **Humoral and cellular immunity in convalescent and vaccinated COVID-19 people with multiple sclerosis: Effects of disease modifying therapies.** Mult Scler Relat Disord 2022; 59:103682Habek M, Željko C, Savić Mlakar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158189
50. **Severe COVID pneumonia and undetectable B cells after vaccination in patients previously treated with rituximab: a case series.** Postgrad. Med. 2022:1-5Sakano T, Bittner EA, Chang MG. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129061
51. **Impact of prior vaccination with Covishield(TM) and Covaxin® on mortality among symptomatic COVID-19 patients during the second wave of the pandemic in South India during April and May 2021: a cohort study.** Vaccine 2022; 40:2107-2113Abhilash KPP, Mathiyalagan P, Krishnaraj VRK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35168837
52. **Modelling SARS-CoV-2 Binding Antibody Waning 8 Months after BNT162b2 Vaccination.** Vaccines (Basel) 2022; 10Hatzakis A, Karabinis A, Roussos S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214743
53. **Effectiveness of COVID-19 Vaccines against Delta Variant (B.1.617.2): A Meta-Analysis.** Vaccines (Basel) 2022; 10Mahumud RA, Ali MA, Kundu S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214737
54. **Post-Vaccination SARS-CoV-2 Infections among Health Workers at the University Hospital of Verona, Italy: A Retrospective Cohort Survey.** Vaccines (Basel) 2022; 10Porru S, Spiteri G, Monaco MGL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214733
55. **Seroprevalence of SARS-CoV-2 Antibodies and Associated Factors in Healthcare Workers before the Era of Vaccination at a Tertiary Care Hospital in Turkey.** Vaccines (Basel) 2022; 10Sonmezer MC, Erul E, Sahin TK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214715
56. **Systemic and Lower Respiratory Tract Immunity to SARS-CoV-2 Omicron and Variants in Pediatric Severe COVID-19 and Mis-C.** Vaccines (Basel) 2022; 10Tang J, Randolph AG, Novak T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214728

57. **Fighting Fire with Fire: Immunogenicity of Viral Vectored Vaccines against COVID-19.** Viruses 2022; 14Chang A, Yu J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35215973
58. **T Cell Response following Anti-COVID-19 BNT162b2 Vaccination Is Maintained against the SARS-CoV-2 Omicron B.1.1.529 Variant of Concern.** Viruses 2022; 14Cohen H, Rotem S, Elia U *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215940
59. **Antibody Response to SARS-CoV-2 Infection and Vaccination in COVID-19-naïve and Experienced Individuals.** Viruses 2022; 14Uprichard SL, O'Brien A, Evdokimova M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215962

Management miscellaneous diseases (61 articles)

1. **Lifestyle impact on migraine during home confinement.** Acta Neurol. Belg. 2022:1-7Granato A, Furlanis G, D'Acunto L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146703
2. **[Impact of COVID-19 Pandemic on Patients with Atopic Dermatitis].** Actas Dermosifiliogr. 2022; Pourani MR, Ganji R, Dashti T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35153299
3. **Drug Overdoses During the COVID-19 Pandemic Among Recently Homeless Individuals.** Addiction 2022; Liu M, Richard L, Campitelli MA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129239
4. **The Epidemiology of Necrotizing Fasciitis at a Rural Level 1 Trauma Center During the COVID-19 Pandemic.** Am. Surg. 2022:31348221074251McGee SA, Barnum M, Nesbit RD. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128968
5. **Seroprevalence of hepatitis B and C viruses in moderate and severe COVID-19 inpatients: A cross-sectional study at a referral center in Mexico.** Ann. Hepatol. 2022; 27:100684Jiménez-Mendoza JC, Rivera-López FE, González-Lara MF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167956
6. **Clinical characteristics and outcomes of cancer patients and their hospital course during the COVID-19 pandemic in a developing country.** Ann Med Surg (Lond) 2022; 74:103284Asghar MS, Yasmin F, Babar MS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127069
7. **Evaluating potential delays and outcomes of patients undergoing surgical resection for locally advanced and recurrent colorectal cancer during a pandemic.** Ann. R. Coll. Surg. Engl. 2022; Javed MA, Kohler A, Tiernan J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35132892
8. **Inappropriate Antibiotic Use in Zimbabwe in the COVID-19 Era: A Perfect Recipe for Antimicrobial Resistance.** Antibiotics (Basel) 2022; 11Chitungo I, Dzinamarira T, Nyazika TK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35203846
9. **Reduced dispensing of prescribed antibiotics during the Covid-19 pandemic has not increased severe complications from common infections.** BMC Public Health 2022; 22:252Norman C, Svensson M, Schmidt I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135517
10. **Late presentation during the COVID-19 pandemic of severe procidentia: a high-grade poorly differentiated sarcoma of unknown origin.** BMJ Case Rep. 2022; 15Pappa C, Smyth SL, Soleymani Majd H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35140084

11. **Impact of COVID-19 pandemic on TB prevention and care in Addis Ababa, Ethiopia: a retrospective database study.** BMJ Open 2022; 12:e053290Arega B, Negesso A, Taye B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135769
12. **Perceptions, challenges and experiences of frontline healthcare providers in Emergency Departments regarding Workplace Violence during the COVID-19 pandemic: A protocol for an exploratory qualitative study from an LMIC.** BMJ Open 2022; 12:e055788Naseem M, Shahil Feroz A, Arshad H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135775
13. **The what, why and when of wide awake local anaesthesia no tourniquet surgery.** Br. J. Hosp. Med. (Lond.) 2022; 83:1-10Khudr J, Hughes L, Younis F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129384
14. **Keeping warfarin patients safe during the COVID-19 pandemic: review of an INR self-testing programme.** Br J Nurs 2022; 31:142-146Gee E, Pol A, Kittoe K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152746
15. **Impact of the COVID-19 pandemic on orthognathic patients: What have we learned?** Br. J. Oral Maxillofac. Surg. 2021; Wemyss C, Benington P, Chung L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125246
16. **On top of that all, now Covid-19, too. A scoping review of specificities and correlates of fear of cancer recurrence in breast cancer patients during COVID-19.** Breast 2022; 62:123-134Kállay É, Medrea F, Dégi CL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35176683
17. **Emerging quinoline- and quinolone-based antibiotics in the light of epidemics.** Chem. Biol. Drug Des. 2022; Kaur P, Anuradha, Chandra A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128812
18. **Experiences of Pediatric Pain Professionals Providing Care during the COVID-19 Pandemic: A Qualitative Study.** Children (Basel) 2022; 9Killackey T, Baerg K, Dick B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204950
19. **[Has the COVID-19 pandemic changed the clinical picture and tumour stage at the time of presentation of patients with colorectal cancer? A retrospective cohort study.].** Cir Esp 2022; Cano-Valderrama O, Sánchez-Santos R, Vigorita V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169328
20. **Tuberculosis Elimination in the Era of Coronavirus Disease 2019 (COVID-19): A Moving Target.** Clin Infect Dis 2022; 74:509-510Dookie N, Padayatchi N, Naidoo K. http://www.ncbi.nlm.nih.gov/pubmed/?term=32927477
21. **Significant Impact of Coronavirus Disease 2019 (COVID-19) on Human Immunodeficiency Virus (HIV) Care in Hospitals Affecting the First Pillar of the HIV Care Continuum.** Clin Infect Dis 2022; 74:521-524Hensley KS, Jordans CCE, van Kampen JJA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33993276
22. **Psychosocial Implications of COVID-19 on Head and Neck Cancer.** Curr. Oncol. 2022; 29:1062-1068Dermody SM, Shuman AG. http://www.ncbi.nlm.nih.gov/pubmed/?term=35200589
23. **Impact in Contact Dermatitis during and after SARS-CoV2 Pandemic.** Curr Treat Options Allergy 2022:1-8Babino G, Argenziano G, Balato A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194543
24. **Knowledge, attitude and practice among dental practitioners with regard to overcoming the barriers created by personal protective equipment in the COVID-19 era and delivering effective dental treatment: A questionnaire-based cross-sectional study.** Dent Med Probl 2022; Malandkar V, Choudhari S, Kalra D, Banga P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35179833

25. **Prognostic accuracy of triage tools for adults with suspected COVID-19 in a prehospital setting: an observational cohort study.** Emerg Med J 2022; Marincowitz C, Sutton L, Stone T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140074
26. **Outcomes of patients with cancer infected with SARS-CoV-2: results from the Ion Chiricuţă Oncology Institute series.** ESMO Open 2022; 7:100423Preda A, Ciuleanu T, Kubelac P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35279526
27. **Insights into headache 2022.** Expert Rev. Neurother. 2022; 22:85-87Martelletti P, Bentivegna E. http://www.ncbi.nlm.nih.gov/pubmed/?term=35142247
28. **Prioritizing and queueing the emergency departments' patients using a novel data-driven decision-making methodology, a real case study.** Expert Syst Appl 2022; 195:116568Alipour-Vaezi M, Aghsami A, Jolai F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125674
29. **Impact of COVID-19 on Periodontitis and Peri-Implantitis: A Narrative Review.** Front Oral Health 2022; 3:822824Mancini L, Americo LM, Pizzolante T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35224542
30. **Caring for Children With Medical Complexity in the Early COVID-19 Pandemic in an Ambulatory Primary Care Setting.** Front Pediatr 2022; 10:813393Driansky A, Pilapil M, Bianco K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223695
31. **The COVID-19 Pandemic and Cancer Patients in Germany: Impact on Treatment, Follow-Up Care and Psychological Burden.** Front Public Health 2021; 9:788598Eckford RD, Gaisser A, Arndt V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223757
32. **The Impact of the COVID-19 Pandemic on the Practice of Forensic Medicine: An Overview.** Healthcare (Basel) 2022; 10Esposito M, Salerno M, Scoto E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206933
33. **Adding to the story, did penetrating trauma really increase? changes in trauma patterns during the COVID-19 pandemic: A multi-institutional, multi-region investigation.** Injury 2022; Mokhtari AK, Maurer LR, Dezube M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35232568
34. **The impact of COVID-19 on cancer care of outpatients with low socioeconomic status.** Int. J. Cancer 2022; Zeilinger EL, Lubowitzki S, Unseld M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128650
35. **Eosinophilic granulomatosis with polyangiitis (EGPA) with low activity EBV replication during the COVID 19 pandemic.** Int J Cardiol Heart Vasc 2022; 39:100968Mueller M, Poller W, Klingel K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165658
36. **Presentation and outcomes of acute appendicitis during COVID-19 pandemic: lessons learned from the Middle East-a multicentre prospective cohort study.** Int. J. Colorectal Dis. 2022:1-13El Nakeeb A, Emile SH, AbdelMawla A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152340
37. **The COVID-19 Pandemic and Smoking Cessation-A Real-Time Data Analysis from the Polish National Quitline.** Int J Environ Res Public Health 2022; 19Koczkodaj P, Cedzyńska M, Przepiórka I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206205
38. **The Impact of the COVID-19 Pandemic on Israeli Orthodontic Practice: A Clinic's Activity and Patients' Attitudes.** Int J Environ Res Public Health 2022; 19Sella Tunis T, Ratson T, Matalon S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206151

39. **Colorectal Surgery in the COVID-19 Pandemic Era.** J Anus Rectum Colon 2022; 6:1-8Miyo M, Hata T, Sekido Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128131
40. **Improving Colorectal Cancer Screening at an Employer-Sponsored Health Plan During the COVID-19 Pandemic.** J Gen Intern Med 2022:1-3Kim JS, Bakr O, Xu M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129771
41. **The impact of the COVID-19 pandemic on the global burden of influenza.** J Med Virol 2022; Lampejo T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35146774
42. **Modified trauma assessment clinic: A rapid, scalable model.** J Orthop 2022; 30:59-61Miller P, Hurley R, McCabe F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35241889
43. **The Impact of the COVID-19 Pandemic on Frozen Shoulder Incidence Rates & Severity.** J. Shoulder Elbow Surg. 2022; Demyttenaere J, Martyn O, Delaney R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35167912
44. **The COVID CLAVICLE Study: A predictor of future trauma trends.** JSES Int 2022; Hodhody G, Lum JWY, Afzal S, Mulgrew EV. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128502
45. **Worsening pain and quality of life for spine surgery patients during the COVID-19 pandemic: Roles of psychological distress and patient activation.** N Am Spine Soc J 2022; 9:100103Bronheim RS, Kebaish KM, Jain A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187509
46. **Pain and Therapy in the Realm of a Storm.** Pain Ther 2022:1-3Varrassi G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35149983
47. **The Attitude, Perception, and Mental Health of Patients Receiving Orthodontic Treatment During the COVID-19 Pandemic in Saudi Arabia.** Patient Prefer Adherence 2022; 16:363-372Alassiry AM, Hakami Z. http://www.ncbi.nlm.nih.gov/pubmed/?term=35189625
48. **Cancer Patient-Reported Experience Measures (PREMs) Regarding the Policies Implemented to Contain the Spread of Sars-CoV-2 and Vaccination Campaign at Veneto Institute of Oncology.** Patient Prefer Adherence 2022; 16:353-362Caccese M, Imbevaro S, Feltrin A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35173420
49. **The impact of COVID-19 lockdown on the general health status of people with chronic health conditions in Belgium: a cross-sectional survey study.** Physiother. Theory Pract. 2022:1-16De Groef A, Hallemans A, Gebruers N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156531
50. **Forgoing healthcare during the COVID-19 pandemic in Geneva, Switzerland - A cross-sectional population-based study.** Prev. Med. 2022; 156:106987Menon LK, Richard V, de Mestral C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150752
51. **Decreased patient visits for ankle sprain during the COVID-19 pandemic in South Korea: A nationwide retrospective study.** Prev Med Rep 2022; 26:101728Hwang Y, Kim D, Ryu S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35169534
52. **[Influence of confinement due to COVID-19 in the postsurgery period.].** Rev. Esp. Salud Publica 2022; 96:e1-e2Sánchez Ramos A, Ventura Saavedra R, Chunga Tume PJ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35136011
53. **[COVID-19 emergency operations center: experience of the Rio de Janeiro municipality, BrazilCentro de operaciones de emergencia en respuesta a la COVID-19: la experiencia del municipio de Rio de Janeiro].** Rev. Panam. Salud

Publica 2022; 46:e9de Oliveira ECDM, de Carvalho LF, da Costa CM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126482
54. **Impact of the early 2020 COVID-19 crisis and lockdown on PrEP use among men who have sex with men (MSM) in France.** Sex. Transm. Infect. 2022; Di Ciaccio M, Villes V, Michels D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149580
55. **Living through and with the global HIV/AIDS pandemic: Distinct 'pandemic practices' and temporalities.** Soc. Sci. Med. 2022; 296:114809Staupe-Delgado R, Rubin O. http://www.ncbi.nlm.nih.gov/pubmed/?term=35180591
56. **Oncology patients' communication experiences during COVID-19: comparing telehealth consultations to in-person visits.** Support. Care Cancer 2022; Street RL, Jr., Treiman K, Kranzler EC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141772
57. **Impact of COVID-19-associated anxiety on the adherence to intravitreal injection in patients with macular diseases a year after the initial outbreak.** Ther Adv Ophthalmol 2022; 14:25158414211070881Liu S, Ng JKY, Moon EH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128306
58. **COVID-19 Pneumonia and Lung Cancer: A Challenge for the RadiologistReview of the Main Radiological Features, Differential Diagnosis and Overlapping Pathologies.** Tomography 2022; 8:513-528Guarnera A, Santini E, Podda P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35202206
59. **Surgical planning during a pandemic: Identifying patients at high risk of severe disease or death due to COVID-19 in a cohort of patients on a cataract surgery waiting list.** Ulster Med. J. 2022; 91:19-25Stuart M, Mooney C, Hrabovsky M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169334
60. **COVID-19 pandemic changed the management and outcomes of acute appendicitis in northern Beijing: A single-center study.** World J Clin Cases 2022; 10:820-829Zhang P, Zhang Q, Zhao HW. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127898
61. **Challenges in Neurosurgery During the COVID-19 Pandemic: The Experience of Kazakhstan.** World Neurosurg 2022; Menlibayeva K, Babi A, Makhambetov Y, Akshulakov S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144030

Management (46 articles)

1. **The feasibility of procalcitonin and CPIS score to reduce inappropriate antibiotics use among severe-critically ill COVID-19 pneumonia patients: A pilot study.** Am. J. Infect. Control 2022; Sathitakorn O, Jantarathaneewat K, Weber DJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158008
2. **A multidisciplinary approach to prolonged extracorporeal membrane oxygenation for acute respiratory distress syndrome due to coronavirus 2019-case report.** AME Case Rep 2022; 6:8Biblowitz K, Mullin M, McDermott L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128316
3. **Association of ventilator type with hospital mortality in critically ill patients with SARS-CoV2 infection: a prospective study.** Ann Intensive Care 2022; 12:10Ferré A, Marquion F, Delord M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133543
4. **Sequential lateral positioning as a new lung recruitment maneuver: an exploratory study in early mechanically ventilated Covid-19 ARDS patients.**

Ann Intensive Care 2022; 12:13Roldán R, Rodriguez S, Barriga F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150355

5. **Perspectives on nano-nutraceuticals to manage pre and post COVID-19 infections.** Biotechnol Rep (Amst) 2022; 33:e00712Dubey AK, Chaudhry SK, Singh HB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186674
6. **An ethical analysis of clinical triage protocols and decision-making frameworks: what do the principles of justice, freedom, and a disability rights approach demand of us?** BMC Med. Ethics 2022; 23:11Zhu J, Brenna CTA, McCoy LG *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148763
7. **Qualitative analysis of a virtual research meeting summarises expert-based strategies to promote hydration in residential care during COVID-19 and beyond.** BMJ Open 2022; 12:e055457Keller H, Wei C, Slaughter S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135772
8. **Small steps, strong shield: directly measured, moderate physical activity in 65 361 adults is associated with significant protective effects from severe COVID-19 outcomes.** Br. J. Sports Med. 2022; Steenkamp L, Saggers RT, Bandini R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140062
9. **COVID-19 and the Experiences and Needs of Staff and Management Working at the Front Lines of Long-Term Care in Central Canada.** Can. J. Aging 2022:1-6Reynolds K, Ceccarelli L, Pankratz L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135643
10. **Perceptions of Critical Care Shortages, Resource Use, and Provider Well-being During the COVID-19 Pandemic: A Survey of 1,985 Health Care Providers in Brazil.** Chest 2022; Lobo SM, Creutzfeldt CJ, Maia IS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150658
11. **Thromboprophylaxis in Patients with COVID-19. A Brief Update to the CHEST Guideline and Expert Panel Report.** Chest 2022; Moores LK, Tritschler T, Brosnahan S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167861
12. **The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief report on a comparison of the laboratory diagnosis and literature review.** Clin Chim Acta 2022; 529:42-45Hsiao PJ, Wu KL, Chen YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167842
13. **Tracheostomy timing and clinical outcomes in ventilated COVID-19 patients: a systematic review and meta-analysis.** Crit Care 2022; 26:40Ji Y, Fang Y, Cheng B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135597
14. **Non-invasive oxygenation support in acutely hypoxemic COVID-19 patients admitted to the ICU: a multicenter observational retrospective study.** Crit Care 2022; 26:37Wendel-Garcia PD, Mas A, González-Isern C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135588
15. **Association Between Statin Use and Poor Outcomes in COVID-19 Patients with Diabetes Mellitus: A Systematic Review.** Curr. Diabetes Rev. 2022; Audrey J, Wisnu W, Tahapary DL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139792
16. **Wave riding - 12 months of COVID-19 in a German tertiary care center.** Deutsche Medizinische Wochenschrift 2022; 147:E13-E22Fistera D, Pabst D, Falk M *et al.*
17. **Inpatient rehabilitation can improve functional outcomes of post-intensive care unit COVID-19 patients-a prospective study.** Disabil. Rehabil. 2022:1-

11Rodrigues M, Costa AJ, Santos R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133225

18. **Prognostic accuracy of triage tools for adults with suspected COVID-19 in a prehospital setting: an observational cohort study.** Emerg Med J 2022; Marincowitz C, Sutton L, Stone T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140074
19. **Endocrine Follow-up During Post-Acute COVID-19: Practical Recommendations Based on Available Clinical Evidence.** Endocr. Pract. 2022; Pal R, Joshi A, Bhadada SK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158058
20. **["Management of nurses specialized in the aero-evacuation of highly infectious critical patients, during the COVID-19 pandemic. Systematic review."].** Enferm. Intensiva 2022; Leiva-Miranda V, Arriagada-Tirado B, Martín-Díaz JCS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169384
21. **Tea Polyphenols Prevent and Intervene in COVID-19 through Intestinal Microbiota.** Foods 2022; 11Xiang Q, Cheng L, Zhang R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35205982
22. **Handling Post-COVID-19 Sequelae: A Need for Multispecialty Approach.** Front Public Health 2022; 10:843329Makrydakis G, Markaki L, Manikas ED *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223749
23. **Perception and Challenges of Preventive Measures of COVID-19 Among Nepalese Frontline Health Professionals: An Unexplored Realism.** Front Public Health 2021; 9:747070Pathak KP, Sanyam SD, Gaire T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127610
24. **Integrating healthcare for follow-up of adult COVID-19 patients in an outpatient clinic: A matter of cooperation.** Health Sci Rep 2022; 5:e504Klinkert AF, Baptista Lopes V, van Baar JM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155829
25. **Molecular Hydrogen Positively Affects Physical and Respiratory Function in Acute Post-COVID-19 Patients: A New Perspective in Rehabilitation.** Int J Environ Res Public Health 2022; 19Botek M, Krejčí J, Valenta M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206179
26. **Good Care during COVID-19: A Narrative Approach to Care Home Staff's Experiences of the Pandemic.** Int J Environ Res Public Health 2022; 19Dohmen MDW, van den Eijnde C, Thielman CLE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206293
27. **"COVID-19 in Trials and Tribulations" Project: A Self-Regulation-Based Support Response for Confined Families through Social Networks.** Int J Environ Res Public Health 2022; 19Pereira A, Magalhães P, Teixeira S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35162931
28. **rpavirtual: Key lessons in healthcare organisational resilience in the time of COVID-19.** Int. J. Health Plann. Manage. 2022; Shaw M, Anderson T, Sinclair T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146799
29. **Plant-Based Support of Respiratory Health during Viral Outbreaks.** J. Agric. Food Chem. 2022; 70:2064-2076Rathinasabapathy T, Sakthivel LP, Komarnytsky S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147032
30. **Tracheal Stenosis After Prolonged Intubation Due to COVID-19.** J Cardiothorac Vasc Anesth 2022; Ayten O, Iscanli IGE, Canoglu K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35283040

31. **Effect of Designating Emergency Medical Centers for Critical Care on Emergency Medical Service Systems during the COVID-19 Pandemic: A Retrospective Observational Study.** J Clin Med 2022; 11Park HA, Kim S, Ha SO *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207182
32. **Development and Validation of the Acute PNeumonia Early Assessment Score for Safely Discharging Low-Risk SARS-CoV-2-Infected Patients from the Emergency Department.** J Clin Med 2022; 11Venturini S, Pontoni E, Carnelos R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35160331
33. **[Evaluation of contingency plans in the care of patients in intensive care units in the COVID-19 pandemic].** J Healthc Qual Res 2022; Martínez-Pillado M, Said-Criado I, Martínez-Regueiro A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35249860
34. **Intensive care burden of COVID-19 in tertiary care hospitals during the first year of outbreak in Kawasaki City, Japan: A retrospective cohort study.** J Infect Chemother 2022; 28:678-683Hosoda T, Hamada S, Numata K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177351
35. **Perception of interdisciplinary collaboration between ICU nurses and resident physicians during the COVID-19 pandemic.** J Interprof Educ Pract 2022; 27:100501Matusov Y, Matthews A, Rue M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128078
36. **Recovery of olfactory and gustatory dysfunctions in coronavirus disease 2019 patients: a prospective cohort study.** J. Laryngol. Otol. 2022:1-8Taziki Balajelini MH, Vakili MA, Rajabi A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35220983
37. **What can we Learn from Patients who Died from Covid-19 Following Escalation to a Respiratory High Dependency Unit for Trial of Non-Invasive Respiratory Support?** J. Palliat. Care 2022:8258597221078381Evans S, Elder P, Shoulder R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138202
38. **Long COVID-19 and the Role of the Patient-Clinician Interaction in Symptom Management.** J Patient Exp 2022; 9:23743735221077514Calabrese L, Colloca L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35155749
39. **Treating the Unvaccinated COVID-19 Patient with Compassion.** J Patient Exp 2022; 9:23743735221077542Jacob E, Meah S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35155754
40. **Simulation of the COVID-19 patient flow and investigation of the future patient arrival using a time-series prediction model: a real-case study.** Med. Biol. Eng. Comput. 2022:1-22Tavakoli M, Tavakkoli-Moghaddam R, Mesbahi R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152366
41. **Intravenous vitamin C use and risk of severity and mortality in COVID-19: A systematic review and meta-analysis.** Nutr. Clin. Pract. 2022; Ao G, Li J, Yuan Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148440
42. **An Outpatient Management Strategy Using a Coronataxi Digital Early Warning System Reduces Coronavirus Disease 2019 Mortality.** Open Forum Infect Dis 2022; 9:ofac063Lim A, Hippchen T, Unger I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35287336
43. **[Usage of high-flow oxygen therapy outside the intensive care unit: a possibility to delay or prevent the need for mechanical ventilation among COVID-19 patients].** Orv. Hetil. 2022; 163:254-266Béres A, Orbán K, Szinku Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152206

44. **Oxygen therapy limiting peripheral oxygen saturation to 89-93% is associated with a better survival prognosis for critically ill COVID-19 patients at high altitudes.** Respir. Physiol. Neurobiol. 2022; 299:103868Viruez-Soto A, Arias S, Casas-Mamani R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150939
45. **[COVID-19 emergency operations center: experience of the Rio de Janeiro municipality, BrazilCentro de operaciones de emergencia en respuesta a la COVID-19: la experiencia del municipio de Rio de Janeiro].** Rev. Panam. Salud Publica 2022; 46:e9de Oliveira ECDM, de Carvalho LF, da Costa CM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126482
46. **A patient satisfaction survey and educational package to improve the care of people hospitalised with COVID-19: a quality improvement project, Liverpool, UK.** Wellcome Open Res 2021; 6:222Ahmad MS, Hicks SR, Watson R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35118199

Mental – public health (126 articles)

1. **Personality in a naturally occurring strong situation: Unique effects of HEXACO traits on COVID-19 mitigation.** Acta Psychol. (Amst.) 2022; 224:103529Costantini G, Di Sarno M, Preti E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151956
2. **Ordinary Magic in Extraordinary Circumstances: Factors Associated with Positive Mental Health Outcomes for Early Adolescents During the COVID-19 Pandemic.** Advers Resil Sci 2022:1-15Ashworth E, Putwain DW, McLoughlin S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128460
3. **How Timing of Stay-at-Home Orders and Mobility Reductions Impacted First-Wave COVID-19 Deaths in US Counties.** Am. J. Epidemiol. 2022; Audirac M, Tec M, Meyers LA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35136914
4. **Thoughts of suicide or self-harm among Australian healthcare workers during the COVID-19 pandemic.** Aust. N. Z. J. Psychiatry 2022:48674221075540Bismark M, Scurrah K, Pascoe A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128948
5. **COVID-19 and mental health: Impact on symptom burden in older people living with mental illness in residential aged care.** Australas. J. Ageing 2022; Curran E, Nalder L, Koye D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129267
6. **Recommendations for psychiatrists regarding better access during the COVID-19 pandemic.** Australas Psychiatry 2022:10398562211065281Reay RE, Looi JC. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152777
7. **The impact of COVID-19 on benzodiazepine usage in psychiatric inpatient units.** Australas Psychiatry 2022:10398562211059090Zaki N, Brakoulias V. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144489
8. **A qualitative 5-country comparison of the perceived impacts of COVID-19 on people living with dementia and unpaid carers.** BMC Geriatr. 2022; 22:116Giebel C, Lion K, Mackowiak M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148712
9. **Hospital factor and prognosis of COVID-19 in New York City, the United States of America: insights from a retrospective cohort study.** BMC Health Serv. Res. 2022; 22:164Takahashi M, Egorova NN, Iwagami M, Kuno T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135532
10. **Persistent, new-onset symptoms and mental health complaints in Long COVID in a Brazilian cohort of non-hospitalized patients.** BMC Infect. Dis. 2022;

22:133Titze-de-Almeida R, da Cunha TR, Dos Santos Silva LD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135496

11. **Psychosocial burden and associated factors among nurses in care homes during the COVID-19 pandemic: findings from a retrospective survey in Germany.** BMC Nurs. 2022; 21:41Hering C, Gangnus A, Budnick A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139842
12. **The prevalence and correlates of peripartum depression in different stages of pregnancy during COVID-19 pandemic in China.** BMC Pregnancy Childbirth 2022; 22:114Hu M, Zhou Y, Xue M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148708
13. **Primary emotions as predictors for fear of COVID-19 in former inpatients with Major Depressive Disorder and healthy control participants.** BMC Psychiatry 2022; 22:94Sanwald S, Widenhorn-Müller K, Montag C, Kiefer M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135505
14. **Locked out during COVID-19 lockdown-an online survey of relatives of people with psychotic and bipolar disorders in Norway.** BMC Public Health 2022; 22:294Aminoff SR, Mork E, Barrett EA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151293
15. **Work fatigue among Lebanese physicians and students during the COVID-19 pandemic: validation of the 3D-Work Fatigue Inventory (3D-WFI) and correlates.** BMC Public Health 2022; 22:292Sfeir E, Rabil JM, Obeid S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151284
16. **'You're just there, alone in your room with your thoughts': a qualitative study about the psychosocial impact of the COVID-19 pandemic among young people living in the UK.** BMJ Open 2022; 12:e053676McKinlay AR, May T, Dawes J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140155
17. **Changes in mental health problems and suicidal behaviour in students and their associations with COVID-19-related restrictions in Norway: a national repeated cross-sectional analysis.** BMJ Open 2022; 12:e057492Sivertsen B, Knapstad M, Petrie K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140162
18. **Knowledge and behaviour of community residents' face mask-wearing during the COVID-19 pandemic: a cross-sectional study in Shanghai, China.** BMJ Open 2022; 12:e052497Tang H, Wang J, Zhang Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149563
19. **Investigating the prevalence of anxiety and depression during the first COVID-19 lockdown in the United Kingdom: Systematic review and meta-analyses.** Br. J. Clin. Psychol. 2022; Dettmann LM, Adams S, Taylor G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137427
20. **Evaluating a psychological support service focused on the needs of critical care and theatres staff in the first wave of COVID-19.** Br J Nurs 2022; 31:148-154Herron K, Lonergan G, Travis S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152743
21. **How does the COVID-19 fuel insomnia?** Brain Behav Immun Health 2022; 21:100426Cheshmehzangi A, Chen H, Su Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156064
22. **Learning in a Pandemic: Primary School children's Emotional Engagement with Remote Schooling during the spring 2020 Covid-19 Lockdown in Ireland.** Child Indic Res 2022:1-22Chzhen Y, Symonds J, Devine D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35194481

23. **COVID-19 Pandemic Experiences and Maternal Stress in Neonatal Intensive Care Units.** Children (Basel) 2022; 9Erdei C, Feldman N, Koire A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204971
24. **Burnout syndrome among residents of different surgical specialties in a tertiary referral teaching hospital in Indonesia during COVID-19 pandemic.** Clin Epidemiol Glob Health 2022; 14:100994Daryanto B, Rahmadiani N, Amorga R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155847
25. **Delivering Cognitive Stimulation Therapy (CST) Virtually: Developing and Field-Testing a New Framework.** Clin. Interv. Aging 2022; 17:97-116Perkins L, Fisher E, Felstead C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35173425
26. **COVID-19 Vaccine Administration and Hesitation Among Psychiatric Emergency Services Patients.** Community Ment. Health J. 2022:1-4Mitchell L, Fuehrlein B, Wilkosz M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150353
27. **History of Suicide Attempts and COVID-19 Infection in Veterans with Schizophrenia or Schizoaffective Disorder: Moderating Effects of Age and Body Mass Index.** Complex Psychiatry 2021; 392:1789-1795Okusaga OO, Kember RL, Peloso GM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128521
28. **Effects of an online self-help intervention on university students' mental health during COVID-19: A non-randomized controlled pilot study.** Comput Hum Behav Rep 2022; 5:100175Charbonnier E, Trémolière B, Baussard L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169655
29. **Need satisfaction, passion and wellbeing effects of videogame play prior to and during the COVID-19 pandemic.** Comput. Human Behav. 2022; 131:107232Formosa J, Johnson D, Türkay S, Mandryk RL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165496
30. **European university students' mental health during Covid-19: Exploring attitudes towards Covid-19 and governmental response.** Curr. Psychol. 2022:1-14Allen R, Kannangara C, Vyas M, Carson J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194357
31. **Prevalence of depression and anxiety among general population in Pakistan during COVID-19 lockdown: An online-survey.** Curr. Psychol. 2022:1-8Ullah I, Ali S, Ashraf F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35194356
32. **Generalized anxiety disorder among Bangladeshi university students during COVID-19 pandemic: gender specific findings from a cross-sectional study.** Discov Ment Health 2022; 2:3Muzaffar R, Koly KN, Choudhury S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35194592
33. **Both Sides of the Screen: Predictors of Parents' and Teachers' Depression and Food Insecurity During COVID-19-Related Distance Learning.** Early Child Res Q 2022; Martin A, Partika A, Johnson AD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35153375
34. **Family socio-economic status and Chinese Preschoolers' anxious symptoms during the COVID-19 pandemic: the roles of parental investment, parenting style, home quarantine length, and regional pandemic risk.** Early Child Res Q 2022; 60:137-149Zhang L, Cao H, Lin C, Ye P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125643
35. **'I was prepared to become infected as a frontline medical staff': A survey of Australian emergency department staff experiences during COVID-19.** Emerg. Med. Australas. 2022; Scott AM, Murray A, Jones M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142057

36. **Factors associated with prenatal stress and anxiety in pregnant women during COVID-19 in Spain.** Enferm Clin (Engl Ed) 2022; Awad-Sirhan N, Simó-Teufel S, Molina-Muñoz Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35183488
37. **Impact of COVID-19 pandemic on the psychological well-being of migrants and refugees settled in Spain.** Ethn. Health 2022:1-24Garrido R, Paloma V, Benítez I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138212
38. **Altered motor cortex physiology and dysexecutive syndrome in patients with fatigue and cognitive difficulties after mild COVID-19.** Eur. J. Neurol. 2022; Ortelli P, Ferrazzoli D, Sebastianelli L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138693
39. **Comparison of Inflammation Markers and Severity of Illness Among Patients With COVID-19, Acute Psychiatric Disorders and Comorbidity.** Eur J Psychiatry 2022; Tuna Ö, Ermis C, Darcin AE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125586
40. **Can "Free-From" Food Consumption Be a Signal of Psychological Distress during COVID-19?** Foods 2022; 11Savarese M, Castellini G, Morelli L, Graffigna G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35205990
41. **The Neuropsychiatric Changes After COVID-19 Quarantine in Patients With Cognitive Impairment and Their Caregivers in Chongqing, China: A Cohort Study.** Front. Aging Neurosci. 2021; 13:762907Yuan S, Zhang W, Yao Q *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35221981
42. **Viability Study of Machine Learning-Based Prediction of COVID-19 Pandemic Impact in Obsessive-Compulsive Disorder Patients.** Front. Neuroinform. 2022; 16:807584Tubío-Fungueiriño M, Cernadas E, Gonçalves Ó F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35221957
43. **Uncertainty and Fears Around Sustainability: A Qualitative Exploration of the Emotional Reactions of Dental Practitioners and Dental Care Professionals During COVID-19.** Front Oral Health 2021; 2:799158Knights J, Beaton L, Young L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128524
44. **Impact of the COVID-19 Pandemic on Mental Health Outcomes of Healthy Children, Children With Special Health Care Needs and Their Caregivers-Results of a Cross-Sectional Study.** Front Pediatr 2022; 10:759066Geweniger A, Barth M, Haddad AD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223688
45. **Lockdown Impact on Stress, Coping Strategies, and Substance Use in Teenagers.** Front Psychiatry 2021; 12:790704Bourduge C, Teissedre F, Morel F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126203
46. **Burnout in the Pharmaceutical Activity: The Impact of COVID-19.** Front Psychiatry 2021; 12:771462Dos Santos PM, da Silva CR, Costa D, Torre C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126195
47. **How to Reduce Mental Health Burden in Health Care Workers During COVID-19?-A Scoping Review of Guideline Recommendations.** Front Psychiatry 2021; 12:770193Halms T, Strasser M, Kunz M, Hasan A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126194
48. **A Cross-Sectional Study on the Cross-Talk of the COVID-19-Related Degree of Loneliness and the Etiological Factors Among the Elderly in Central China.** Front Psychiatry 2022; 13:805664Ju J, Qi WB, Zhang J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35237190
49. **Covid-19 and Increased Risk of Physician Suicide: A Call to Detoxify the U.S. Medical System.** Front Psychiatry 2022; 13:791752Kakarala SE, Prigerson HG.

http://www.ncbi.nlm.nih.gov/pubmed/?term=35222114
50. **COVID-19 Exposure, Stress, and Mental Health Outcomes: Results From a Needs Assessment Among Low Income Adults in Central North Carolina.** Front Psychiatry 2021; 12:790468Kaniuka AR, Cramer RJ, Wilsey CN *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126202
51. **Exploring Access to Mental Health and Primary Care Services for People With Severe Mental Illness During the COVID-19 Restrictions.** Front Psychiatry 2021; 12:799885Newbronner E, Spanakis P, Wadman R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126210
52. **Healthcare Professionals, Post-traumatic Stress Disorder, and COVID-19: A Review of the Literature.** Front Psychiatry 2021; 12:795221Saladino V, Auriemma V, Campinoti V. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126205
53. **A Wake-Up Call: Recognizing and Reimaging Responses to Children's Mental Health and Protection Needs as an Integral Part of the COVID-19 Pandemic.** Front Psychiatry 2022; 13:841515Solerdelcoll M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222129
54. **To Help or Not to Help? Prosocial Behavior, Its Association With Well-Being, and Predictors of Prosocial Behavior During the Coronavirus Disease Pandemic.** Front. Psychol. 2021; 12:775032Haller E, Lubenko J, Presti G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222147
55. **Does Playing Apart Really Bring Us Together? Investigating the Link Between Perceived Loneliness and the Use of Video Games During a Period of Social Distancing.** Front. Psychol. 2022; 13:683842Nebel S, Ninaus M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222171
56. **Keeping the Faith: Religion, Positive Coping, and Mental Health of Caregivers During COVID-19.** Front. Psychol. 2021; 12:805019Sen HE, Colucci L, Browne DT. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126256
57. **The Impact of Job Stress and State Anger on Turnover Intention Among Nurses During COVID-19: The Mediating Role of Emotional Exhaustion.** Front. Psychol. 2021; 12:810378Shah SHA, Haider A, Jindong J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222162
58. **Resilience and Posttraumatic Growth of Patients With Breast Cancer During the COVID-19 Pandemic in China: The Mediating Effect of Recovery.** Front. Psychol. 2021; 12:811078Shi J, Sznajder KK, Liu S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126261
59. **The Impact of COVID-19-Related Work Stress on the Mental Health of Primary Healthcare Workers: The Mediating Effects of Social Support and Resilience.** Front. Psychol. 2021; 12:800183Shi LS, Xu RH, Xia Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126252
60. **Depression, COVID-19 Anxiety, Subjective Well-being, and Academic Performance in University Students With COVID-19-Infected Relatives: A Network Analysis.** Front. Psychol. 2022; 13:837606Ventura-León J, Caycho-Rodríguez T, Talledo-Sánchez K, Casiano-Valdivieso K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222215
61. **Compassion Satisfaction, Compassion Fatigue and Hardiness Among Nurses: A Comparison Before and During the COVID-19 Outbreak.** Front. Psychol. 2021; 12:815180Zakeri MA, Rahiminezhad E, Salehi F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222165

62. **Prevalence of COVID-19 Pandemic, Self-Esteem and Its Effect on Depression Among University Students in Saudi Arabia.** Front Public Health 2022; 10:836688Azmi FM, Khan HN, Azmi AM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211449
63. **American Older Adults in COVID-19 Times: Vulnerability Types, Aging Attitudes, and Emotional Responses.** Front Public Health 2021; 9:778084Fu M, Guo J, Chen X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211452
64. **Governmental Inter-sectoral Strategies to Prevent and Control COVID-19 in a Megacity: A Policy Brief From Shanghai, China.** Front Public Health 2022; 10:764847He X, Jiang P, Wu Q *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211436
65. **A cross-sectional investigation of the mental health and wellbeing among individuals who have been negatively impacted by the COVID-19 international border closure in Australia.** Global Health 2022; 18:12Ali K, Iasiello M, van Agteren J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135575
66. **Conceptual unclarity about COVID-19 ethnic disparities in Sweden: Implications for public health policy.** Health (London) 2022:13634593221074866Bredström A, Mulinari S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152788
67. **Restrictions on healthcare utilization and psychological distress among patients with diseases potentially vulnerable to COVID-19; the JACSIS 2020 study.** Health Psychol Behav Med 2022; 10:229-240Takeuchi E, Katanoda K, Cheli S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35174000
68. **The Impact of the COVID-19 Pandemic on Burnout, Compassion Fatigue, and Compassion Satisfaction in Healthcare Personnel: A Systematic Review of the Literature Published during the First Year of the Pandemic.** Healthcare (Basel) 2022; 10Lluch C, Galiana L, Doménech P, Sansó N. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206978
69. **Anxiety Levels among Polish and Turkish Dentists during the COVID-19 Pandemic.** Healthcare (Basel) 2022; 10Olszewska-Czyz I, Sozkes S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206971
70. **Depression and suicidal ideation in Mexican medical students during COVID-19 outbreak. A longitudinal study.** Heliyon 2022; 8:e08851Domínguez-González AD, Guzmán-Valdivia G, Ángeles-Téllez FS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128117
71. **Availability of the core components of the World Health Organization infection prevention and control strategies in health facilities in Southwestern Uganda: Implications for control of COVID-19.** Infect Prev Pract 2022; 4:100206Ssekitoleko R, Seremba E, Waiswa F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169693
72. **Work Performance, Mood and Sleep Alterations in Home Office Workers during the COVID-19 Pandemic.** Int J Environ Res Public Health 2022; 19Costa C, Teodoro M, Mento C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206177
73. **Examining the Associations between COVID-19-Related Psychological Distress, Social Media Addiction, COVID-19-Related Burnout, and Depression among School Principals and Teachers through Structural Equation Modeling.** Int J Environ Res Public Health 2022; 19Karakose T, Yirci R, Papadakis S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206140

74. **Experiences of Perinatal Mental Health Care among Minority Ethnic Women during the COVID-19 Pandemic in London: A Qualitative Study.** Int J Environ Res Public Health 2022; 19Pilav S, Easter A, Silverio SA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206163
75. **Association between the Physical Activity Behavioral Profile and Sedentary Time with Subjective Well-Being and Mental Health in Chilean University Students during the COVID-19 Pandemic.** Int J Environ Res Public Health 2022; 19Reyes-Molina D, Alonso-Cabrera J, Nazar G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206294
76. **Depressive and Sexual Disorders during the First and Second Wave of the COVID-19 Pandemic among Young Polish Women.** Int J Environ Res Public Health 2022; 19Szuster E, Kostrzewska P, Pawlikowska A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35162908
77. **Sensory Processing, Perceived Stress and Burnout Symptoms in a Working Population during the COVID-19 Crisis.** Int J Environ Res Public Health 2022; 19van den Boogert F, Spaan P, Sizoo B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206231
78. **Understanding for whom, how and why Sydney Local Health District's Integrated Response was Effective in Addressing COVID-19: A Critical Realist Qualitative Study.** Int J Integr Care 2022; 22:13Liu H, Liu D, Moore C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35221829
79. **The Role of Empathy in Chinese Adolescents' Preventive Health Behavior During COVID-19.** J. Adolesc. Health 2022; Qu Y, Chen BB, Yang B, Zhu Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35168884
80. **The prevalence of mental health conditions in healthcare workers during and after a pandemic: Systematic review and meta-analysis.** J. Adv. Nurs. 2022; Hill JE, Harris C, Danielle LC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150151
81. **Exploration of the occupational and personal dimensions impacted by the COVID-19 pandemic for nurses: A qualitative analysis of survey responses.** J. Adv. Nurs. 2022; Marceau M, Ledoux I, Lavoie S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133027
82. **Emotional processing prospectively modulates the impact of anxiety on COVID-19 pandemic-related post-traumatic stress symptoms: an ERP study.** J. Affect. Disord. 2022; 303:245-254Dell'Acqua C, Moretta T, Dal Bò E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172175
83. **Immune response to vaccination in adults with mental disorders: A systematic review.** J. Affect. Disord. 2022; 304:66-77Xiao K, Gillissie ES, Lui LMW *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167926
84. **Relationship between sense of control, psychological burden, sources of information and adherence to anti-COVID-19 rules.** J Affect Disord Rep 2022; 8:100317Brailovskaia J, Margraf J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165674
85. **The role of threat appraisal and coping style in psychological response to the COVID-19 pandemic among university students.** J Affect Disord Rep 2022; 8:100325Chu GM, Goger P, Malaktaris A, Lang AJ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35169766
86. **Increased suicidal behaviors among students during COVID-19 lockdowns: A concern of student's mental health in Bangladesh.** J Affect Disord Rep 2022;

8:100320Daria S, Islam MR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35156072
87. **Mental health of medical students during the COVID19: Impact of studies years.** J Affect Disord Rep 2022; 8:100318Essadek A, Gressier F, Robin M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165671
88. **Smoking, health risks, coping mechanisms and depression in the age of COVID-19: A cross-sectional study of the Lebanese population.** J Affect Disord Rep 2022; 8:100323Maatouk C, Aad AM, Lucero-Prisno DE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35156073
89. **A longitudinal comparison of college student mental health under the COVID-19 self-restraint policy in Japan.** J Affect Disord Rep 2022; 8:100314Shiratori Y, Ogawa T, Ota M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169765
90. **Mental health outcomes of adults hospitalized for COVID-19: A systematic review.** J Affect Disord Rep 2022; 8:100312Veazie S, Lafavor B, Vela K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165670
91. **The protective role of sense of community and access to resources on college student stress and COVID-19-related daily life disruptions.** J. Community Psychol. 2022; Benson OM, Whitson ML. http://www.ncbi.nlm.nih.gov/pubmed/?term=35142379
92. **Sense of Alienation and Its Associations With Depressive Symptoms and Poor Sleep Quality in Older Adults Who Experienced the Lockdown in Wuhan, China, During the COVID-19 Pandemic.** J. Geriatr. Psychiatry Neurol. 2022; 35:215-222Chen WC, Chen SJ, Zhong BL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130783
93. **Suicidal Ideation and Mental Health Help-Seeking Behaviors Among Older Chinese Adults During the COVID-19 Pandemic.** J. Geriatr. Psychiatry Neurol. 2022; 35:245-251Liang YJ, Deng F, Liang P, Zhong BL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139677
94. **Levels of depression and anxiety among informal caregivers during the COVID-19 pandemic: A study based on the Canadian Longitudinal Study on Aging.** J. Gerontol. B Psychol. Sci. Soc. Sci. 2022; Wister A, Li L, Mitchell B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150268
95. **Determinants of persistence of symptoms and impact on physical and mental wellbeing in Long COVID: A prospective cohort study.** J Infect 2022; Righi E, Mirandola M, Mazzaferri F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150765
96. **How does the impact of the COVID-19 state of emergency change? An analysis of preventive behaviors and mental health using panel data in Japan.** J Jpn Int Econ 2022; 64:101194Yamamura E, Tsutsui Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125647
97. **Patient-Family Experience at the Onset of COVID-19: Interviews with Ten Palliative Chaplains.** J. Palliat. Med. 2022; Galchutt P, Labuschagne D, Usset T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35143347
98. **Rescuing Empathy.** J Patient Exp 2022; 9:23743735221079135Millstein JH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35155756
99. **Surveillance of COVID-19 in Cameroon: Implications for policymakers and the healthcare system.** J Public Health Afr 2021; 12:1415Bonnechère B, Sankoh O, Samadoulougou S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126888
100. **The Mediating Effect of Religiousness in the Relationship Between Psychological Resilience and Fear of COVID-19 in Turkey.** J Relig Health

2022:1-19Batmaz H, Meral K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129773
101. **Subtypes of social withdrawal and mental health trajectories during COVID-19 pandemic.** J Res Pers 2022; 97:104203Xu J, Sun R, Li Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165492
102. **Risk Factors for COVID-19 in College Students Identified by Physical, Mental, and Social Health Reported During the Fall 2020 Semester: Observational Study Using the Roadmap App and Fitbit Wearable Sensors.** JMIR Ment Health 2022; 9:e34645Gilley KN, Baroudi L, Yu M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34992051
103. **Depressive Symptoms and Anxiety During the COVID-19 Pandemic: Large, Longitudinal, Cross-sectional Survey.** JMIR Ment Health 2022; 9:e33585MacDonald JJ, Baxter-King R, Vavreck L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142619
104. **Consequence of strict corona measures: Suicide rate in prisons tripled - Viennese public ombudsman describes the depressing situation in Austria.** MMW-Fortschritte der Medizin 2022; 164:14-15Oberhofer E.
105. **The duty to care and nurses' well-being during a pandemic.** Nurs. Ethics 2022:9697330211041746Muñoz-Rubilar CA, Carrillos CP, Mundal IP *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142227
106. **Evaluation of the caregiving roles and attitudes of nurses during the COVID-19 pandemic.** Nurs. Forum 2022; Yildirim D, Genc Z, Ozdemir FA, Can G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152449
107. **Relationships between Dairy and Calcium Intake and Mental Health Measures of Higher Education Students in the United States: Outcomes from Moderation Analyses.** Nutrients 2022; 14Du C, Hsiao PY, Ludy MJ, Tucker RM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35215428
108. **Generalized anxiety and sleep quality among health care professionals during the COVID-19 pandemic: a cross-sectional study from a tertiary healthcare institution in Eastern India.** Osong Public Health Res Perspect 2022; 13:51-61Naik BN, Pandey S, Rao R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35255678
109. **Defense mechanism responses to COVID-19.** PeerJ 2022; 10:e12811Altwaijri N, Abualait T, Aljumaan M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186458
110. **A qualitative study of living through the first New Zealand COVID-19 lockdown: Affordances, positive outcomes, and reflections.** Prev Med Rep 2022; 26:101725Radka K, Wyeth EH, Derrett S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35155083
111. **COVID-19 stressors and one-year changes in depression and anxiety in a longitudinal cohort of low-income adults in the United States.** Prev Med Rep 2022; 26:101730Thorndike AN, Fung V, McCurley JL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155086
112. **Age differences in the association between loneliness and anxiety symptoms during the COVID-19 pandemic.** Psychiatry Res 2022; 310:114446McDonald AJ, Wickens CM, Bondy SJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35196608
113. **A follow-up study on treatment effects of cognitive-behavioral therapy on social anxiety disorder: Impact of COVID-19 fear during post-lockdown period.** Psychiatry Res 2022; 310:114439Samantaray NN, Kar N, Mishra SR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35180611

114. **Buffering effect of in-patient psychiatric care on the link between fear of covid-19 and mental health consequences.** Psychiatry Res Commun 2022; 2:100027Bloch Y, Shemesh S, Grossman-Giron A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128542
115. **The Effects of COVID-19 lockdown on neuropsychiatric symptoms in patients with dementia or mild cognitive impairment: A systematic review and meta-analysis.** Psychogeriatrics 2022; Soysal P, Smith L, Trott M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128762
116. **Correlates of psychological distress among adults with obesity during the COVID-19 pandemic.** Psychol. Health 2022:1-18Borgatti AC, Crockett KB, Jacob AE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156476
117. **Perceived stress and life satisfaction during COVID-19 pandemic: the mediating role of social adaptation and the moderating role of emotional resilience.** Psychol Health Med 2022:1-7Hu J, Ye B, Yildirim M, Yang Q. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139700
118. **Do married and/or cohabiting individuals fare better during the COVID-19 pandemic? Satisfaction with life and depression among adult twins in the United States.** Psychol Health Med 2022:1-8Tsang S, Avery AR, Duncan GE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144511
119. **The evolution of young people's mental health during COVID-19 and the role of food insecurity: Evidence from a four low-and-middle-income-country cohort study.** Public Health Pract (Oxf) 2022; 3:100232Porter C, Hittmeyer A, Favara M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128496
120. **Psychological underpinnings of pandemic denial - patterns of disagreement with scientific experts in the German public during the COVID-19 pandemic.** Public Underst Sci 2022:9636625211068131Rothmund T, Farkhari F, Ziemer CT, Azevedo F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135408
121. **The impact of anxiety level on decision to seek medical care of non-COVID cardiac patients during the pandemic outbreak-single-center experience in Israel.** Rev Cardiovasc Med 2022; 23:50Koren O, Rajab SA, Barbour M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35229541
122. **Precise Community-Based Public Health Management: Crucial Experience Responding to COVID-19 in Wuhan, China.** Risk Manag. Healthc. Policy 2022; 15:171-178Ran L, Tan X, Zhang Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35173495
123. **COVID-19 Patients' Satisfaction Levels with Nursing Care: A Cross-Sectional Study.** SAGE Open Nurs 2022; 8:23779608221078163Alhowaymel F, Abaoud A, Alhuwaimel A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35174280
124. **Cross-sectional study to evaluate burnout among pharmacy staff in Saudi Arabia during COVID-19 pandemic.** Saudi Pharm J 2022; Aljuffali LA, Alshabanah MO, Almalag HM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125906
125. **Cumulative and independent effects of experiences of social adversity on support for violent radicalization during the COVID-19 pandemic: the mediating role of depression.** Soc. Psychiatry Psychiatr. Epidemiol. 2022; Miconi D, Levinsson A, Frounfelker RL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149881
126. **The impact of gender differences, school adjustment, social interactions, and social activities on emotional and behavioral reactions to the COVID-19 pandemic among Japanese school children.** SSM Ment Health 2022;

2:100077Ishimoto Y, Yamane T, Matsumoto Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35190801

Meta-analyses - systematic reviews (12 articles)

1. **Investigating the prevalence of anxiety and depression during the first COVID-19 lockdown in the United Kingdom: Systematic review and meta-analyses.** Br. J. Clin. Psychol. 2022; Dettmann LM, Adams S, Taylor G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137427
2. **Tracheostomy timing and clinical outcomes in ventilated COVID-19 patients: a systematic review and meta-analysis.** Crit Care 2022; 26:40Ji Y, Fang Y, Cheng B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135597
3. **Which children and young people are at higher risk of severe disease and death after hospitalisation with SARS-CoV-2 infection in children and young people: A systematic review and individual patient meta-analysis.** EClinicalMedicine 2022; 44:101287Harwood R, Yan H, Talawila Da Camara N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169689
4. **Immunogenicity of COVID-19 mRNA vaccines in immunocompromised patients: a systematic review and meta-analysis.** Eur. J. Med. Res. 2022; 27:23Mehrabi Nejad MM, Moosaie F, Dehghanbanadaki H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151362
5. **COVID-19 associated with immune thrombocytopenia: a systematic review and meta-analysis.** Expert Rev. Hematol. 2022:1-10Alharbi MG, Alanazi N, Yousef A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35025706
6. **Sex differences in COVID-19 mortality in the Netherlands.** Infection 2022; Niessen A, Teirlinck AC, McDonald SA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138581
7. **The global png health workers during the COVID-19 pandemic: A systematic review and meta-analysis.** J Affect Disord Rep 2022; 8:100326Rezaei S, Hoseinipalangi Z, Rafiei S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165672
8. **Depressive Symptoms and Anxiety During the COVID-19 Pandemic: Large, Longitudinal, Cross-sectional Survey.** JMIR Ment Health 2022; 9:e33585MacDonald JJ, Baxter-King R, Vavreck L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142619
9. **Intravenous vitamin C use and risk of severity and mortality in COVID-19: A systematic review and meta-analysis.** Nutr. Clin. Pract. 2022; Ao G, Li J, Yuan Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148440
10. **Worldwide prevalence of fungal coinfections among COVID-19 patients: a comprehensive systematic review and meta-analysis.** Osong Public Health Res Perspect 2022; 13:15-23Soltani S, Zandi M, Faramarzi S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35255675
11. **Diagnostic efficiency of RT-LAMP integrated CRISPR-Cas technique for COVID-19: A systematic review and meta-analysis.** Pathog Glob Health 2022:1-11Bhatt A, Bumbrah GS, Ruwali M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142264
12. **Acute cerebrovascular events in severe and nonsevere COVID-19 patients: a systematic review and meta-analysis.** Rev. Neurosci. 2022; Quintanilla-Sánchez

C, Salcido-Montenegro A, González-González JG, Rodríguez-Gutiérrez R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35142148

Mortality (22 articles)

1. **Relationship Between Blood Lipid Levels and Mortality in Hospitalized COVID-19 Patients.** Angiology 2022:33197211072346Aydın S, Aksakal E, Aydınyılmaz F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35124978
2. **Association of ventilator type with hospital mortality in critically ill patients with SARS-CoV2 infection: a prospective study.** Ann Intensive Care 2022; 12:10Ferré A, Marquion F, Delord M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133543
3. **Clinical and Epidemiological Correlates of Low IFN-Gamma Responses in Mitogen Tube of QuantiFERON Assay in Tuberculosis Infection Screening During the COVID-19 Pandemic: A Population-Based Marker of COVID-19 Mortality?** Arch. Bronconeumol. 2022; Palacios-Gutiérrez JJ, Rodríguez-Guardado A, Arias-Guillén M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185258
4. **Estimating the effect of non-pharmaceutical interventions to mitigate COVID-19 spread in Saudi Arabia.** BMC Med 2022; 20:51Bisanzio D, Reithinger R, Alqunaibet A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125108
5. **Survival and risk of COVID-19 after SARS-COV-2 vaccination in a series of 2391 cancer patients.** Eur. J. Cancer 2022; 165:174-183Heudel P, Favier B, Solodky ML *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35245864
6. **Characteristics of deceased and quality of death certificates for cases subjected to Indonesia's management of the dead protocol for bodies with COVID-19.** Forensic Sci. Med. Pathol. 2022; 18:45-56Meilia PDI, Manela C, Yudy *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129821
7. **Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models.** Front Cell Infect Microbiol 2021; 11:806265Rustagi V, Bajaj M, Tanvi *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223534
8. **Neutrophil-to-lymphocyte ratio and D-dimer are biomarkers of death risk in severe COVID-19: A retrospective observational study.** Health Sci Rep 2022; 5:e514Terra POC, Donadel CD, Oliveira LC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155834
9. **Regression Analysis for COVID-19 Infections and Deaths Based on Food Access and Health Issues.** Healthcare (Basel) 2022; 10Almalki A, Gokaraju B, Acquaah Y, Turlapaty A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206938
10. **Evaluation of the Potential Risk of Mortality from SARS-CoV-2 Infection in Hospitalized Patients According to the Charlson Comorbidity Index.** Healthcare (Basel) 2022; 10Gutierrez-Camacho JR, Avila-Carrasco L, Murillo-Ruíz-Esparza A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206976
11. **Excess mortality caused by the COVID-19 pandemic negatively impacts birth numbers in European countries.** Hum. Reprod. 2022; De Geyter C, Masciocchi M, Gobrecht-Keller U. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139195
12. **Sex differences in COVID-19 mortality in the Netherlands.** Infection 2022; Niessen A, Teirlinck AC, McDonald SA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138581

13. **Impact of Right Ventricular-Pulmonary Circulation Coupling on Mortality in SARS-CoV-2 Infection.** J Am Heart Assoc 2022; 11:e023220Bursi F, Santangelo G, Barbieri A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156389
14. **Heterozygote Advantage of the Type II deiodinase Thr92Ala Polymorphism on Intrahospital Mortality of COVID-19.** J. Clin. Endocrinol. Metab. 2022; de Lima Beltrão FE, de Almeida Beltrão DC, Carvalhal G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137147
15. **Timing of convalescent plasma administration and 28-day mortality in COVID-19 pneumonia.** J. Investig. Med. 2022; González SE, Regairaz L, Salazar MR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135872
16. **Determining the Case Fatality Rate of COVID-19 in Italy: Novel Epidemiological Study.** JMIR Public Health Surveill 2022; 8:e32638Yan M, Kang W, Guo Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34963659
17. **An Outpatient Management Strategy Using a Coronataxi Digital Early Warning System Reduces Coronavirus Disease 2019 Mortality.** Open Forum Infect Dis 2022; 9:ofac063Lim A, Hippchen T, Unger I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35287336
18. **Factors Possibly Associated with Mortality in Intubated COVID-19 Patients: A Retrospective Study.** Pathogens 2022; 11Ramírez-Plascencia LE, Vázquez-León AP, Villaseñor-Magaña A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215178
19. **Population density impact on COVID-19 mortality rate: A multifractal analysis using French data.** Physica A 2022; 593:126979Pascoal R, Rocha H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125631
20. **Pulmonary vascular inflammation with fatal coronavirus disease 2019 (COVID-19): possible role for the NLRP3 inflammasome.** Respir Res 2022; 23:25Paul O, Tao JQ, West E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144622
21. **Women's political leadership and efficiency in reducing COVID-19 death rate: An application of technical inefficiency effects model across indian states.** Socioecon. Plann. Sci. 2022:101263Maity S, Barlaskar UR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165491
22. **Impact of prior vaccination with Covishield(TM) and Covaxin® on mortality among symptomatic COVID-19 patients during the second wave of the pandemic in South India during April and May 2021: a cohort study.** Vaccine 2022; 40:2107-2113Abhilash KPP, Mathiyalagan P, Krishnaraj VRK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35168837

Online – IT – Apps (68 articles)

1. **Age and Racial Disparities in Telehealth Use Among People with HIV During the COVID-19 Pandemic.** AIDS Behav. 2022; Friedman EE, Devlin SA, Gilson SF, Ridgway JP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35133528
2. **Expanded use of telemedicine for thyroid and parathyroid surgery in the COVID-19 era and beyond.** Am. J. Otolaryngol. 2022; 43:103393Boles RW, Zheng M, Kwon D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35168184
3. **Remote learning during Covid-19 lockdown: A study on anatomy and histology education for pharmacy students in Jordan.** Anat Sci Educ 2022; 15:249-260Al-Alami ZM, Adwan SW, Alsous M. http://www.ncbi.nlm.nih.gov/pubmed/?term=34951117

4. **Information-seeking behaviours and uncertainty around accessing primary care in the changing landscape of the COVID-19 pandemic: a qualitative study.** BJGP Open 2022; Brown LR, Williams AJ, Shaw K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34853007
5. **Towards digital health equity - a qualitative study of the challenges experienced by vulnerable groups in using digital health services in the COVID-19 era.** BMC Health Serv. Res. 2022; 22:188Kaihlanen AM, Virtanen L, Buchert U *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151302
6. **Effectiveness of technology-enhanced teaching methods of undergraduate dental skills for local anaesthesia administration during COVID-19 era: students' perception.** BMC Oral Health 2022; 22:40Mladenovic R, AlQahtani S, Mladenovic K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152899
7. **Citation impact and social media visibility of Great Barrington and John Snow signatories for COVID-19 strategy.** BMJ Open 2022; 12:e052891Ioannidis JP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35140152
8. **Qualitative analysis of a virtual research meeting summarises expert-based strategies to promote hydration in residential care during COVID-19 and beyond.** BMJ Open 2022; 12:e055457Keller H, Wei C, Slaughter S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135772
9. **Implications of social media misinformation on COVID-19 vaccine confidence among pregnant women in Africa.** Clin Epidemiol Glob Health 2022; 14:100981Ennab F, Babar MS, Khan AR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187292
10. **Sharing emotion while spectating video game play: Exploring Twitch users' emotional change after the outbreak of the COVID-19 pandemic.** Comput. Human Behav. 2022; 131:107211Chae SW, Lee SH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125640
11. **Need satisfaction, passion and wellbeing effects of videogame play prior to and during the COVID-19 pandemic.** Comput. Human Behav. 2022; 131:107232Formosa J, Johnson D, Türkay S, Mandryk RL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165496
12. **Preliminary evidence that brief exposure to vaccination-related internet memes may influence intentions to vaccinate against COVID-19.** Comput. Human Behav. 2022; 131:107218Geniole SN, Bird BM, Witzel A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125639
13. **Work from home - A new virtual reality.** Curr. Psychol. 2022:1-13Tunk N, Kumar AA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125850
14. **Factors Affecting Dental Students' Comfort with Online Synchronous Learning.** Dent J (Basel) 2022; 10McMillan DG, Kalloo OR, Lara RA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35200251
15. **COVID-19 infodemic and digital health literacy in vulnerable populations: A scoping review.** Digit Health 2022; 8:20552076221076927Choukou MA, Sanchez-Ramirez DC, Pol M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223076
16. **Patient Information Items Needed to Guide the Allocation of Scarce Life-Sustaining Resources: A Delphi Study of Multidisciplinary Experts.** Disaster Med Public Health Prep 2022:1-7Gray MM, Butler CR, Webster LB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139979
17. **Both Sides of the Screen: Predictors of Parents' and Teachers' Depression and Food Insecurity During COVID-19-Related Distance Learning.** Early Child

Res Q 2022; Martin A, Partika A, Johnson AD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35153375

18. **General public's perspectives on telemedicine during the COVID-19 pandemic in Korea: an analysis of the nationwide survey.** Epidemiol Health 2022:e2022020Kang E, Lee H, Hong KJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130418
19. **The role of telehealth in oncology care: A qualitative exploration of patient and clinician perspectives.** Eur. J. Cancer Care (Engl.) 2022; 31:e13563Aung E, Pasanen L, LeGautier R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150180
20. **Remote-delivered cardiac rehabilitation during COVID-19: a prospective cohort comparison of health-related quality of life outcomes and patient experiences.** Eur. J. Cardiovasc. Nurs. 2022; Candelaria D, Kirkness A, Farrell M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137049
21. **Working Online During COVID-19: Accounts of First Year Students Experiences and Well-Being.** Front. Psychol. 2022; 13:794279Moosa M, Bekker T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35211063
22. **Does Playing Apart Really Bring Us Together? Investigating the Link Between Perceived Loneliness and the Use of Video Games During a Period of Social Distancing.** Front. Psychol. 2022; 13:683842Nebel S, Ninaus M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222171
23. **University Students' Online Learning During COVID-19: The Role of Grit in Academic Performance.** Front. Psychol. 2022; 13:825047Sulla F, Aquino A, Rollo D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222206
24. **American Older Adults in COVID-19 Times: Vulnerability Types, Aging Attitudes, and Emotional Responses.** Front Public Health 2021; 9:778084Fu M, Guo J, Chen X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211452
25. **Factors Associated With Underprivileged E-Learning, Session Jam Phobia, and the Subsequent Mental Distress Among Students Following the Extended University Closure in Bangladesh.** Front Public Health 2021; 9:807474Hossain MJ, Ahmmed F, Sarker MMR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223762
26. **Corrigendum: Associations of Delay in Doctor Consultation With COVID-19 Related Fear, Attention to Information, and Fact-Checking.** Front Public Health 2022; 10:847603Lai AY, Sit SM, Wu SY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223750
27. **Online Education Plight and Countermeasures for MBBS in Chinese Regional Medical Schools Based on the OBE Concept During COVID-19 Pandemic.** Front Public Health 2021; 9:806809Liang Y, Zhang J, Maxwell A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127626
28. **Impact of Refutational Two-Sided Messages on Attitudes Toward Novel Vaccines Against Emerging Infectious Diseases During the COVID-19 Pandemic.** Front Public Health 2022; 10:775486Okuno H, Arai S, Suzuki M, Kikkawa T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35223726
29. **Release and Demand of Public Health Information in Social Media During the Outbreak of COVID-19 in China.** Front Public Health 2021; 9:829589Tang S, Wu X, Chen J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223765
30. **Children's Physical Activity and Screen Time during COVID-19 Pandemic: A Qualitative Exploration of Parent Perceptions.** Health Behav Policy Rev 2021;

8:236-246Eyler AA, Schmidt L, Beck A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127961

31. **Facilitators and Barriers of COVID-19 Vaccine Promotion on Social Media in the United States: A Systematic Review.** Healthcare (Basel) 2022; 10Lieneck C, Heinemann K, Patel J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206935
32. **The COVID-19 paradox of online collaborative education: when you cannot physically meet, you need more social interactions.** Heliyon 2022; 8:e08823Kalmar E, Aarts T, Bosman E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128108
33. **User Privacy, Surveillance and Public Health during COVID-19 - An Examination of Twitterverse.** Inf Syst Front 2022:1-16Bhatt P, Vemprala N, Valecha R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125937
34. **Psychological Flexibility, Coronavirus Anxiety, Humor and Social Media Addiction During COVID-19 Pandemic in Turkey.** Int J Adv Couns 2022:1-23Güldal Ş, Kılıçoğlu NA, Kasapoğlu F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125562
35. **The impact of digital leadership on teachers' technology integration during the COVID-19 pandemic in Kuwait.** Int J Educ Res 2022; 112:101928AlAjmi MK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153373
36. **Videoconference Fatigue: A Conceptual Analysis.** Int J Environ Res Public Health 2022; 19Döring N, Moor K, Fiedler M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206250
37. **Social Health among German Nursing Home Residents with Dementia during the COVID-19 Pandemic, and the Role of Technology to Promote Social Participation.** Int J Environ Res Public Health 2022; 19Hoel V, Seibert K, Domhoff D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206143
38. **Examining the Associations between COVID-19-Related Psychological Distress, Social Media Addiction, COVID-19-Related Burnout, and Depression among School Principals and Teachers through Structural Equation Modeling.** Int J Environ Res Public Health 2022; 19Karakose T, Yirci R, Papadakis S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206140
39. **Nursing Education during the SARS-CoV-2 Pandemic: Assessment of Students' Satisfaction with e-Learning Environment.** Int J Environ Res Public Health 2022; 19Moreno-Sánchez E, Merino-Godoy MD, Piñero-Claros S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206212
40. **Analysis of Online Consultations and Emergent Treatments of Operative Dentistry and Endodontics during the COVID-19 Epidemic.** Int J Environ Res Public Health 2022; 19Wang F, Qiao W, Wang F, Meng L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206119
41. **Research on the Mixed Education Mode for the Safety Engineering Major during the Coronavirus (COVID-19) Epidemic.** Int J Environ Res Public Health 2022; 19Yu K, Wu L, Zhou L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206154
42. **Online searching trend on Covid-19 using Google trend: infodemiological study in Malaysia.** Int J Inf Technol 2022:1-6Izhar TAT, Torabi T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128305
43. **Relationship between sense of control, psychological burden, sources of information and adherence to anti-COVID-19 rules.** J Affect Disord Rep 2022; 8:100317Brailovskaia J, Margraf J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165674

44. **Teleproctoring for Training in Structural Heart Interventions: Initial Real-World Experience During the COVID-19 Pandemic.** J Am Heart Assoc 2022; 11:e023757Beyhoff N, Zhu M, Zanders L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35132869
45. **Search like an expert: Reducing expertise disparity using a hybrid neural index for COVID-19 queries.** J. Biomed. Inform. 2022; 127:104005Nguyen V, Rybinski M, Karimi S, Xing Z. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144000
46. **Virtual Horse Shows: Participants Perspective on a Novel Alternative During COVID-19 Pandemic(☆).** J. Equine Vet. Sci. 2022; 112:103895Walker N, Huseman C, Cater M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151856
47. **COVID-19 Pandemic: Identifying Key Issues Using Social Media and Natural Language Processing.** J Healthc Inform Res 2022:1-34Oyebode O, Ndulue C, Mulchandani D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35194569
48. **The Use of Social Media to Deliver Surgical Education in Response to the COVID-19 Pandemic.** J. Invest. Surg. 2022:1-7Yang S, Jin C, Wang J, Xu X. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130457
49. **COVID-19 Vaccine Tweets After Vaccine Rollout: Sentiment-Based Topic Modeling.** J Med Internet Res 2022; 24:e31726Huangfu L, Mo Y, Zhang P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34783665
50. **Beliefs about the nature of knowledge shape responses to the pandemic: Epistemic beliefs, the Dark Factor of Personality, and COVID-19-related conspiracy ideation and behavior.** J. Pers. 2022; Rudloff JP, Hutmacher F, Appel M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152440
51. **Addressing infodemic through the comprehensive competency framework of media and information literacy.** J Public Health (Oxf) 2022; Toquero CMD. http://www.ncbi.nlm.nih.gov/pubmed/?term=35151229
52. **Evaluation of a COVID-19 Rapid Antigen Testing Program in a Supervised Community Distance Learning Setting for K-8 Students.** J. Sch. Health 2022; Lee RC, Soto DW, Deva S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156210
53. **Risk factors for hand eczema in the general population of Saudi Arabia during the COVID-19 pandemic: An internet-based cross-sectional study.** JAAD Int 2022; 6:119-124Alkhalifah A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35199046
54. **Factors influencing use and perceptions of teledermatology: A mixed-methods study of 942 participants.** JAAD Int 2022; 6:97-103Choi EC, Heng LW, Tan SY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128487
55. **Clinical profile and response to treatment of patients with psoriasis seen via teledermatology during the COVID-19 pandemic in the Philippines.** JAAD Int 2022; 7:35-37Tinio PA, Melendres JM, Chavez CP *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35252889
56. **Assessing COVID-19 Health Information on Google Using the Quality Evaluation Scoring Tool (QUEST): Cross-sectional and Readability Analysis.** JMIR Form Res 2022; 6:e32443Bachu VS, Mahjoub H, Holler AE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34995206
57. **Loss of Weight Gained During the COVID-19 Pandemic: Content Analysis of YouTube Videos.** JMIR Form Res 2022; 6:e35164Tang H, Kim S, Laforet PE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34978534
58. **Charting the Information and Misinformation Landscape to Characterize Misinfodemics on Social Media: COVID-19 Infodemiology Study at a Planetary**

Scale. JMIR Infodemiology 2022; 2:e32378Chen E, Jiang J, Chang HH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35190798

59. **A Free, Open-Source, Offline Digital Health System for Refugee Care.** JMIR Med Inform 2022; 10:e33848Ashworth H, Ebrahim S, Ebrahim H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35147509
60. **An Outpatient Management Strategy Using a Coronataxi Digital Early Warning System Reduces Coronavirus Disease 2019 Mortality.** Open Forum Infect Dis 2022; 9:ofac063Lim A, Hippchen T, Unger I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35287336
61. **Inferring global-scale temporal latent topics from news reports to predict public health interventions for COVID-19.** Patterns (N Y) 2022; 3:100435Wen Z, Powell G, Chafi I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128492
62. **Exploring factors of uneven use of telehealth among outpatient pharmacy clinics during COVID-19: A multi-method study.** Res Social Adm Pharm 2022; Thomas EE, de Camargo Catapan S, Haydon HM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35183460
63. **The unexpected transition to distance learning at Moroccan universities amid COVID-19: A qualitative study on faculty experience.** Soc Sci Humanit Open 2022; 5:100253Jebbour M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128390
64. **Telemedicine implementation and use in community health centers during COVID-19: Clinic personnel and patient perspectives.** SSM Qual Res Health 2022; 2:100054Payán DD, Frehn JL, Garcia L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169769
65. **Oncology patients' communication experiences during COVID-19: comparing telehealth consultations to in-person visits.** Support. Care Cancer 2022; Street RL, Jr., Treiman K, Kranzler EC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141772
66. **A COVID-19 disruption: The great acceleration of digitally planned and transformed behaviors in Thailand.** Technol Soc 2022; 68:101912Srisathan WA, Naruetharadhol P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125560
67. **Telecommuting and food E-commerce: Socially sustainable practices during the COVID-19 pandemic in Canada.** Transp Res Interdiscip Perspect 2022; 13:100513Music J, Charlebois S, Toole V, Large C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128387
68. **Metrics from Wearable Devices as Candidate Predictors of Antibody Response Following Vaccination against COVID-19: Data from the Second TemPredict Study.** Vaccines (Basel) 2022; 10Mason AE, Kasl P, Hartogensis W *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214723

Other – Miscellaneous (136 articles)

1. **Activities of medical centers for athletes and spectators at cycling track events in the Tokyo 2020 Olympic and Paralympic Games.** Acute Med Surg 2022; 9:e728Yanagawa Y, Muto T, Shakagori M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169484
2. **Perceived effects of COVID-19 restrictions on smallholder farmers: Evidence from seven lower- and middle-income countries.** Agric Syst 2022; 198:103367Hammond J, Siegal K, Milner D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125616

3. **Changes in medical and non-medical cannabis use among United States adults before and during the COVID-19 pandemic.** Am. J. Drug Alcohol Abuse 2022:1-7Assaf RD, Gorbach PM, Cooper ZD. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130464
4. **A qualitative study on safety perception among healthcare workers of a tertiary academic care center during the SARS-CoV-2 pandemic.** Antimicrob Resist Infect Control 2022; 11:30Ehrenzeller S, Durovic A, Kuehl R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135617
5. **Toxicological impact of SARS-CoV-2 on the health of the neotropical fish, Poecilia reticulata.** Aquat. Toxicol. 2022; 245:106104Malafaia G, Ahmed MAI, Souza SS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35176694
6. **Sex in the Time of COVID-19: Patterns of Sexual Behavior Among LGBTQ+ Individuals in the U.S.** Arch. Sex. Behav. 2022; 51:287-301Griffin M, Jaiswal J, Martino RJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141814
7. **A comprehensive review of the application of plasma gasification technology in circumventing the medical waste in a post-COVID-19 scenario.** Biomass Convers Biorefin 2022:1-16Kaushal R, Rohit, Dhaka AK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194537
8. **The impact of COVID-19 and associated measures on health, police, and non-government organisation service utilisation related to violence against women and children.** BMC Public Health 2022; 22:288Butler N, Quigg Z, Pearson I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151283
9. **Working conditions in primary healthcare during the COVID-19 pandemic: an interview study with physicians in Sweden.** BMJ Open 2022; 12:e055035Fernemark H, Skagerström J, Seing I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135771
10. **Intimate physical contact between people from different households during the COVID-19 pandemic: a mixed-methods study from a large, quasi-representative survey (Natsal-COVID).** BMJ Open 2022; 12:e055284Sonnenberg P, Menezes D, Freeman L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140158
11. **COVID-19 lockdown and natural resources: a global assessment on the challenges, opportunities, and the way forward.** Bull Natl Res Cent 2022; 46:20Muche M, Yemata G, Molla E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125859
12. **Effects of COVID-19 on mobility GHG emissions: case of the city of Lahti, Finland.** Case Stud Transp Policy 2022; Kareinen E, Uusitalo V, Kuokkanen A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127445
13. **Upcycling discarded cellulosic surgical masks into catalytically active freestanding materials.** Cellulose (Lond) 2022:1-18Reguera J, Zheng F, Shalan AE, Lizundia E. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125686
14. **Rethinking urban density, vitality and healthy environment in the post-pandemic city: The case of Istanbul.** Cities 2022; 124:103598Paköz MZ, Işık M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125597
15. **The Role of Experiential Avoidance in Terms of Fatigue and Pain During COVID-19 Among Latinx Adults.** Cognit. Ther. Res. 2022:1-10Mayorga NA, Manning KF, Garey L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125558
16. **Military carrier choice during the Covid-19 pandemic in Hungary.** Curr. Psychol. 2022:1-11Pákozdi M, Bárdos G. http://www.ncbi.nlm.nih.gov/pubmed/?

term=35194358
17. **Challenges and practices arising during public health emergencies: A qualitative survey on ethics committees.** Dev World Bioeth 2022; Ekmekci PE, Güner MD, Buruk B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150599
18. **A pilot study using financial transactions' spatial information to define high-risk neighborhoods and distribution pattern of COVID-19.** Digit Health 2022; 8:20552076221076252Mohammadi E, Azmin M, Fattahi N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35154804
19. **The impact of the COVID lockdown on alcohol consumption in the Netherlands. The role of living arrangements and social isolation.** Drug Alcohol Depend. 2022; 233:109349Mangot-Sala L, Tran KA, Smidt N, Liefbroer AC. http://www.ncbi.nlm.nih.gov/pubmed/?term=35168117
20. **Expulsion from Community Childcare Centers During the COVID-19 Pandemic: A Review of One State's Practices.** Early Child Educ J 2022:1-10Giordano K, McKeating E, Chung D, Garcia V. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125857
21. **OxVent: Design and evaluation of a rapidly-manufactured Covid-19 ventilator.** EBioMedicine 2022; 76:103868Beale R, Rosendo JB, Bergeles C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172957
22. **The COVID-19 pandemic, consumption and sovereign credit risk: Cross-country evidence.** Econ Model 2022; 109:105794Hao X, Sun Q, Xie F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153362
23. **Communicating safety precautions can help maintain in-person voter turnout during a pandemic.** Elect Stud 2022; 75:102421Merkley E, Bergeron T, Loewen PJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125592
24. **Gambling at the time of COVID-19: Results from interviews in an Italian sample of gamblers.** Emerg Trends Drugs Addict Health 2022; 2:100032Cataldo I, Casonato E, Levari E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128510
25. **The impact of the COVID-19 on households' hourly electricity consumption in Canada.** Energy Build 2021; 250:111280Abdeen A, Kharvari F, O'Brien W, Gunay B. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125633
26. **Factors affecting access to clean cooking fuel among rural households in India during COVID-19 pandemic.** Energy Sustain Dev 2022; 67:102-111Ali J, Khan W. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125780
27. **Heterogeneous impacts of mobility restrictions on air quality in the State of Sao Paulo during the COVID-19 pandemic.** Environ Pollut 2022; 300:118984Cirqueira SSR, Rodrigues PF, Branco P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151813
28. **Effects of environmental parameters and their interactions on the spreading of SARS-CoV-2 in North Italy under different social restrictions. A new approach based on multivariate analysis.** Environ. Res. 2022; 210:112921Tateo F, Fiorino S, Peruzzo L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150709
29. **Decisions to attend holiday gatherings during COVID-19 and engagement in key prevention strategies: United States, January 2021.** Epidemiol Infect 2022; 150:e32Pomeroy MA, Hoover ER, Dumas BL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135647
30. **COVID-19 Lockdown and Exposure of Households to Food Insecurity in Uganda: Insights from a National High Frequency Phone Survey.** Eur J Dev Res 2022:1-26Agamile P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194341

31. **Changes in Spanish lifestyle and dietary habits during the COVID-19 lockdown.** Eur. J. Nutr. 2022; Casas R, Raidó-Quintana B, Ruiz-León AM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129647
32. **Debt policies in the aftermath of COVID-19 - the SGP's debt benchmark revisited.** Eur J Polit Econ 2022:102187Hauptmeier S, Kamps C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125575
33. **Market reaction, COVID-19 pandemic and return distribution.** Financ Res Lett 2022:102701Jin C, Lu X, Zhang Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153631
34. **Testing the safe-haven properties of gold and bitcoin in the backdrop of COVID-19: A wavelet quantile correlation approach.** Financ Res Lett 2022:102707Kumar AS, Padakandla SR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125976
35. **Firm performance during the Covid-19 crisis: Does managerial ability matter?** Financ Res Lett 2022:102720Kumar S, Zbib L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35177959
36. **Using their heads - A novel, collaborative approach between industry and scientists to monitor a commercial mullet fishery as a result of COVID-19 restrictions.** Fish Res 2022; 250:106272Stewart J, Craig JR, Clain C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185226
37. **Changes in food behavior during the first lockdown of COVID-19 pandemic: A multi-country study about changes in eating habits, motivations, and food-related behaviors.** Food Qual. Prefer. 2022; 99:104559Lamy E, Viegas C, Rocha A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169381
38. **The Impact of COVID-19 on Food Consumption and Dietary Quality of Rural Households in China.** Foods 2022; 11Tian X, Zhou Y, Wang H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35205987
39. **Prevalence of Visual Impairment Among Students Before and During the COVID-19 Pandemic, Findings From 1,057,061 Individuals in Guangzhou, Southern China.** Front Pediatr 2021; 9:813856Liang JH, Chen YC, Zhao Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223714
40. **Corrigendum: A Comparison of COVID-19 Stigma and AIDS Stigma During the COVID-19 Pandemic: A Cross-Sectional Study in China.** Front Psychiatry 2022; 13:856704Li M, Long J, Wang X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222130
41. **Factors Influencing the Behavioural Intention to Use Cryptocurrency in Emerging Economies During the COVID-19 Pandemic: Based on Technology Acceptance Model 3, Perceived Risk, and Financial Literacy.** Front. Psychol. 2021; 12:814087Jariyapan P, Mattayaphutron S, Gillani SN, Shafique O. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222164
42. **Social Media for Health Campaign and Solidarity Among Chinese Fandom Publics During the COVID-19 Pandemic.** Front. Psychol. 2021; 12:824377Jiang Q, Liu S, Hu Y, Xu J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126267
43. **From Habit-Forming to Habit-Breaking Availability: Experiences on Electronic Gambling Machine Closures During COVID-19.** Front. Psychol. 2021; 12:788586Marionneau V, Järvinen-Tassopoulos J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126239
44. **Role of Social Commerce Constructs and Social Presence as Moderator on Consumers' Buying Intentions During COVID-19.** Front. Psychol. 2022;

13:772028Rashid RM, Pitafi AH, Qureshi MA, Sharma A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222183
45. **COVID-19 Repercussions: Office and Residential Emissions in Pakistan.** Front. Psychol. 2021; 12:762746Rehmani M, Arshad M, Khokhar MN *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222141
46. **Investigating the Impact of the External Environment and Benchmark Characteristics on the China-Pakistan Economic Corridor's Construction: A COVID-19 Perspective.** Front. Psychol. 2021; 12:682745Xu A, Pitafi AH, Shang Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126218
47. **Addressing Inequalities Toward Inclusive Governance for Achieving One Health: A Rapid Review.** Front Public Health 2021; 9:755285Eliakimu ES, Mans L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127612
48. **Chinese Younger Parents' Quality of Life During the COVID-19 Pandemic: Do Job Changes and Family Conflicts Matter?** Front Public Health 2021; 9:758242Liu X, Bai Y, Huang N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127613
49. **Resilience to COVID-19: Socioeconomic Disadvantage Associated With Positive Caregiver-Youth Communication and Youth Preventative Actions.** Front Public Health 2022; 10:734308Marshall AT, Hackman DA, Baker FC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223717
50. **Longitudinal Patterns of Food Procurement Over the Course of the COVID-19 Pandemic: Findings From a Canadian Online Household Survey.** Front Public Health 2021; 9:752204Nielsen DE, Labonté K, Karamanoglu I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127611
51. **The Reduction of Credit Risk in the Health Care Industry in China: Are We Returning to the Pre-COVID-19 Era?** Front Public Health 2021; 9:835500Yan L, Tang S, Wang H, Gao J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127635
52. **The impact of economic freedom on COVID-19 pandemic control: the moderating role of equality.** Global Health 2022; 18:15Huang G, Yu X, Long Q *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151336
53. **COVID-19 and the efficiency of health systems in Europe.** Health Econ Rev 2022; 12:14Lupu D, Tiganasu R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150372
54. **Exploring factors enabling the spread of COVID-19: Narratives of health professionals in Harare, Zimbabwe.** Health Soc Care Community 2022; Mathew N, Rumbidzai C, Fungisai M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35133044
55. **The roles of Islamic Faith-Based Organizations on countermeasures against the COVID-19 pandemic in Indonesia.** Heliyon 2022; 8:e08928Rachmawati E, Umniyatun Y, Rosyidi M, Nurmansyah MI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165662
56. **Stock market efficiency: An intraday case of study about the G-20 group.** Heliyon 2022; 8:e08808Zebende GF, Santos Dias RMT, de Aguiar LC. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128100
57. **EU Agricultural Digitalization Decalogue.** Her Russ Acad Sci 2021; 91:736-742Kondratieva NB. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125845
58. **United Kingdom Anti-crisis Alternative.** Her Russ Acad Sci 2021; 91:687-693Kuznetsov AV. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125842
59. **U.S. Foreign Policy on the Verge of a New Path.** Her Russ Acad Sci 2021; 91:667-676Prikhodko OV. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125840

60. **Perceived Changes in Social Connectedness Across the Life Course: A Mixed Method Approach.** Int. J. Aging Hum. Dev. 2022:914150221077955Weaver RH, Sano Y, Lanigan J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137634
61. **Natural hazards compound COVID-19 impacts on small businesses disproportionately for historically underrepresented group operators.** Int J Disaster Risk Reduct 2022; 72:102845Helgeson JF, Aminpour P, Fung JF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35174050
62. **Housing Experience in Gated Communities in the Time of Pandemics: Lessons Learned from COVID-19.** Int J Environ Res Public Health 2022; 19Asfour OS. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206110
63. **The Spirit of Adventure: A Driver of Attractiveness of the Hospitality Industry for Young People during a Pandemic Crisis.** Int J Environ Res Public Health 2022; 19Burlea-Schiopoiu A, Baldo MD, Idowu SO. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206102
64. **Impact of the First Phase of the COVID-19 Pandemic on the Acquisition of Goods and Services in the Italian Health System.** Int J Environ Res Public Health 2022; 19Capuzzo M, Viganò GL, Boniotti C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206189
65. **Predictors of Short-Term Alcohol Drinking in Patients with Alcohol Use Disorders during the Third Wave of the COVID-19 Pandemic: Prospective Study in Three Addiction Outpatient Centers in France.** Int J Environ Res Public Health 2022; 19Constant A, Sanz M, Moirand R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206137
66. **To Change or Not to Change: A Study of Workplace Change during the COVID-19 Pandemic.** Int J Environ Res Public Health 2022; 19Da S, Fladmark SF, Wara I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206168
67. **Prediction and Analysis of Tokyo Olympic Games Swimming Results: Impact of the COVID-19 Pandemic on Swimmers' Performance.** Int J Environ Res Public Health 2022; 19Demarie S, Chirico E, Galvani C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206298
68. **Return to Work during the COVID-19 Outbreak: A Study on the Role of Job Demands, Job Resources, and Personal Resources upon the Administrative Staff of Italian Public Universities.** Int J Environ Res Public Health 2022; 19Guidetti G, Converso D, Sanseverino D, Ghislieri C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206184
69. **Levels, Predictors, and Distribution of Interpersonal Solidarity during the COVID-19 Pandemic.** Int J Environ Res Public Health 2022; 19Kaup T, Schweda A, Krakowczyk J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206229
70. **Sick Leave and Intention to Quit the Job among Nursing Staff in German Hospitals during the COVID-19 Pandemic.** Int J Environ Res Public Health 2022; 19Schug C, Geiser F, Hiebel N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206136
71. **Impact of COVID-19 Pandemic on Air Quality: A Systematic Review.** Int J Environ Res Public Health 2022; 19Silva ACT, Branco P, Sousa SIV. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206139
72. **Suburban Road Networks to Explore COVID-19 Vulnerability and Severity.** Int J Environ Res Public Health 2022; 19Uddin S, Khan A, Lu H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206227

73. **The economic toll of COVID-19: A cohort study of prevalence and economic factors associated with postpartum depression in Kenya.** Int J Gynaecol Obstet 2022; Sudhinaraset M, Landrian A, Mboya J, Golub G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152420
74. **Changes in the frequency and pattern of drugs detected among suspected drug users during the COVID-19 pandemic in Turkey.** Int. J. Legal Med. 2022:1-7Öztürk YE, Yeter O, Ateş I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147732
75. **The Mental Health Implications of Domestic Violence During COVID-19.** Int J Public Health 2021; 66:1604240Newnham EA, Chen Y, Gibbs L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126030
76. **NeoCoV: A foresight of the next possible pandemic.** Int J Surg 2022; 99:106255Dhawan M, Thakur N, Priyanka *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150921
77. **Did you save some cash for a rainy COVID-19 day? The crisis and SMEs.** Int Small Bus J 2020; 38:593-604Cowling M, Brown R, Rocha A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125601
78. **A commentary on the impacts of 'Great Lockdown' and its aftermath on scaling firms: What are the implications for entrepreneurial research?** Int Small Bus J 2020; 38:583-592Greene FJ, Rosiello A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125600
79. **COVID-19 and the importance of space in entrepreneurship research and policy.** Int Small Bus J 2020; 38:697-710Korsgaard S, Hunt RA, Townsend DM, Ingstrup MB. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125602
80. **Pivoting to stay the course: How women entrepreneurs take advantage of opportunities created by the COVID-19 pandemic.** Int Small Bus J 2020; 38:481-491Manolova TS, Brush CG, Edelman LF, Elam A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125599
81. **When all doors close: Implications of COVID-19 for cosmopolitan entrepreneurs.** Int Small Bus J 2020; 38:711-717Nummela N, Paavilainen-Mäntymäki E, Harikkala-Laihinen R, Raitis J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125603
82. **An exploration of the political, social, economic and cultural factors affecting how different global regions initially reacted to the COVID-19 pandemic.** Interface Focus 2022; 12:20210079Tang JW, Caniza MA, Dinn M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35261734
83. **Impact of perception of COVID-19 on NPI, job satisfaction, and customer orientation: Highlighting three types of NPIs for the airline industry.** J Air Transp Manag 2022; 100:102191Lee CK, Jung EK, Kang SE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125687
84. **Covid Cats and Pandemic Puppies: The Altered Realm of Veterinary Care for Companion Animals during a Global Pandemic.** J. Appl. Anim. Welf. Sci. 2022:1-14Muzzatti SL, Grieve KL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144509
85. **COVID-19 and risk of retraumatization in adults with a past exposure to potentially traumatic events: A cross-cultural exploration across Egypt, Germany, and Italy.** J. Community Psychol. 2022; Fishere M, Bartoli E. http://www.ncbi.nlm.nih.gov/pubmed/?term=35143056
86. **COVID-19 Infection Or Buttock Injections? the Dangers of Aesthetics and Socializing During a Pandemic.** J Crit Care Med (Targu Mures) 2022; 8:49-

54Anthony Cleland D, Tsai CHH, Vo J, Moretta D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35274055

87. **Non-traditional Use of HEOR To Identify Host Response Treatments During a Pandemic.** J Health Econ Outcomes Res 2021; 8:125-126Mallow PJ, Fedson DS. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127963
88. **Patient Representatives' Perspectives on Healthcare at the Time of COVID-19 and Suggestions for Care Redesign After the Pandemic: A Qualitative Study in Twenty-Four Countries.** J Multidiscip Healthc 2022; 15:247-258Stamm TA, Seidler Y, Andrews MR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35173439
89. **What a Waste: Perioperative Fentanyl Wastage at a Pediatric Hospital.** J Pediatr Pharmacol Ther 2022; 27:120-122Waberski AT, Cronin J, Hammer B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35241982
90. **Did Iranians change their eating behavior following COVID-19 outbreak?** J. Res. Med. Sci. 2021; 26:116Akbarzadeh M, Barati-Boldaji R, Mohsenpour MA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126579
91. **Successful negotiation of goal conflict between romantic partners predicts better goal outcomes during COVID-19: A mixed methods study.** J Soc Pers Relat 2022; 39:155-178Vowels LM, Carnelley KB, Francois-Walcott RRR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125598
92. **Pandemic threat and group cohesion: national identification in the wake of COVID-19 is associated with authoritarianism.** J. Soc. Psychol. 2022:1-17Maher PJ, Roth J, Griffin S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137678
93. **An analysis of the Chinese scheduled freighter network during the first year of the COVID-19 pandemic.** J Transp Geogr 2022; 99:103298Deng Y, Zhang Y, Wang K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125679
94. **Effect of Climate on COVID-19 Incidence: A Cross-Sectional Study in Japan.** Korean J Fam Med 2022; 43:37-41Kato M, Sakihama T, Kinjo Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130638
95. **Slack and prices during Covid-19: Accounting for labor market participation.** Labour Econ 2022; 75:102129D'Amuri F, De Philippis M, Guglielminetti E, Lo Bello S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125660
96. **Regional fisheries management: COVID-19 calendars and decision making.** Mar Policy 2021; 128:104474Haas B, Davis R, Campbell B, Hanich Q. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125617
97. **Marine resource recovery in Southern Thailand during COVID-19 and policy recommendations.** Mar Policy 2022; 137:104972Israngkura A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125620
98. **Chilean salmon farming vulnerability to external stressors: The COVID 19 as a case to test and build resilience.** Mar Policy 2021; 128:104486Soto D, Chávez C, León-Muñoz J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125618
99. **Does Mindfulness Moderate the Link of Worry About COVID-19 With Adjustment? An Actor-Partner Interdependence Model Approach.** Mindfulness (N Y) 2022:1-10Lam CB, Lam CS, Chung KKH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126766
100. **The mother of all battles: Viruses vs humans. Can humans avoid extinction in 50-100 years?** Open Life Sci 2022; 17:32-37Diamandis EP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128067
101. **An act of love.** Palliat Support Care 2022:1-2Gambril JA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130989

102. **Perceived physical activity during stay-at-home COVID-19 pandemic lockdown March-April 2020 in Polish adults.** PeerJ 2022; 10:e12779Czyż SH, Starościak W. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127285
103. **The Role of Shared Decision-Making in Personalised Medicine: Opening the Debate.** Pharmaceuticals (Basel) 2022; 15Guadalajara H, Lopez-Fernandez O, León Arellano M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215327
104. **Who is the "She" in the Pandemic "She-Cession"? Variation in COVID-19 Labor Market Outcomes by Gender and Family Status.** Popul Res Policy Rev 2022:1-34Kim AT, Erickson M, Zhang Y, Kim C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125569
105. **Decreases in smoking and vaping during COVID-19 stay-at-home orders among a cohort of young adults in the United States.** Prev. Med. 2022; 156:106992Denlinger-Apte R, Suerken CK, Ross JC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149114
106. **Perceptions of neighborhood dangerousness and changes in sleep quality during the COVID-19 pandemic: Assessing the mediating role of changes in health behaviors.** Prev. Med. 2022; 156:106991Testa A, Fahmy C, Hill TD. http://www.ncbi.nlm.nih.gov/pubmed/?term=35167855
107. **Impact of the COVID-19 pandemic on vulnerable groups, including homeless persons and migrants, in France: A qualitative study.** Prev Med Rep 2022; 26:101727Crouzet L, Scarlett H, Colleville AC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155084
108. **Building back better from COVID-19: Knowledge, emergence and social contracts.** Prog Hum Geogr 2022; 46:121-138Pelling M, Adams H, Adamson G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125621
109. **The performance of Islamic versus conventional stocks during the COVID-19 shock: Evidence from firm-level data.** Res Int Bus Finance 2022; 60:101622Shear F, Ashraf BN. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153365
110. **Temporal characteristics and spatial heterogeneity of air quality changes due to the COVID-19 lockdown in China.** Resour Conserv Recycl 2022; 181:106223Zeng J, Wang C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153377
111. **Does more stringencies in government policies during pandemic impact stock returns? Fresh evidence from GREF countries, a new emerging green bloc.** Resour Policy 2022; 76:102582Gu J, Yue XG, Nosheen S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125613
112. **COVID-19 moral disengagement and prevention behaviors: The impact of perceived workplace COVID-19 safety climate and employee job insecurity.** Saf Sci 2022; 150:105703Bazzoli A, Probst TM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153382
113. **Diets and dietary supplements used during the COVID-19 pandemic in the United Arab Emirates: A cross-sectional survey.** Saudi Pharm J 2022; Radwan H, Hasan H, Jaafar Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125904
114. **Estimating changes in air pollutant levels due to COVID-19 lockdown measures based on a business-as-usual prediction scenario using data mining models: A case-study for urban traffic sites in Spain.** Sci Total Environ 2022; 823:153786González-Pardo J, Ceballos-Santos S, Manzanas R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151743

115. **Sodium hypochlorite disinfection of SARS-CoV-2 spiked in water and municipal wastewater.** Sci Total Environ 2022; 807:150766Greaves J, Fischer RJ, Shaffer M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34627890
116. **COVID-19 in New York state: Effects of demographics and air quality on infection and fatality.** Sci Total Environ 2022; 807:150536Mondal S, Chaipitakporn C, Kumar V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34628294
117. **Decrease in ambient volatile organic compounds during the COVID-19 lockdown period in the Pearl River Delta region, south China.** Sci Total Environ 2022; 823:153720Pei C, Yang W, Zhang Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149077
118. **No widespread signature of the COVID-19 quarantine period on water quality across a spectrum of coastal systems in the United States of America.** Sci Total Environ 2022; 807:150825Wetz MS, Powers NC, Turner JW, Huang Y. http://www.ncbi.nlm.nih.gov/pubmed/?term=34627882
119. **Compound impact of drought and COVID-19 on agriculture yield in the USA.** Sci Total Environ 2022; 807:150801Yaddanapudi R, Mishra AK. http://www.ncbi.nlm.nih.gov/pubmed/?term=34626632
120. **Non-Contact Smart Sensing of Physical Activities during Quarantine Period Using SDR Technology.** Sensors (Basel) 2022; 22Khan MB, Mustafa A, Rehman M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214253
121. **Professional regulation, profession-state relations and the pandemic response: Australia, Canada, and the UK compared.** Soc. Sci. Med. 2022; 296:114808Adams TL, Wannamaker K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35182959
122. **Stigma and blame related to COVID-19 pandemic: A case-study of editorial cartoons in Canada.** Soc. Sci. Med. 2022; 296:114803Labbé F, Pelletier C, Bettinger JA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35168055
123. **Expert model of risk assessment for the selected components of smart city concept: From safe time to pandemics as COVID-19.** Socioecon. Plann. Sci. 2022:101253Gavurova B, Kelemen M, Polishchuk V. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125527
124. **Women's political leadership and efficiency in reducing COVID-19 death rate: An application of technical inefficiency effects model across indian states.** Socioecon. Plann. Sci. 2022:101263Maity S, Barlaskar UR. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165491
125. **Assessing the impact of mobility on the incidence of COVID-19 in Dublin City.** Sustain Cities Soc 2022; 80:103770Manzira CK, Charly A, Caulfield B. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165649
126. **Regulatory Flexibilities and Guidances for Addressing the Challenges of COVID-19 in the EU: What Can We Learn from Company Experiences?** Ther Innov Regul Sci 2022; 56:366-377Klein K, Stolk P, Tellner P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129827
127. **Transport mode preferences of university students in post-COVID-19 pandemic.** Transp Policy (Oxf) 2022; 118:20-32Bagdatli MEC, Ipek F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125682
128. **Will multi-industry supply chains' resilience under the impact of COVID-19 pandemic be different? A perspective from China's highway freight transport.** Transp Policy (Oxf) 2022; 118:165-178Fu X, Qiang Y, Liu X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125680

129. **STARTUPS: Founding airlines during COVID-19 - A hopeless endeavor or an ample opportunity for a better aviation system?** Transp Policy (Oxf) 2022; 118:10-19Sun X, Wandelt S, Zhang A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125681
130. **Measuring the impact of an exogenous factor: An exponential smoothing model of the response of shipping to COVID-19.** Transp Policy (Oxf) 2022; 118:91-100Zhao HM, He HD, Lu KF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125683
131. **Structural modeling of COVID-19 spread in relation to human mobility.** Transp Res Interdiscip Perspect 2022; 13:100528Rafiq R, Ahmed T, Yusuf Sarwar Uddin M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128388
132. **Restrictive and stimulative impacts of COVID-19 policies on activity trends: A case study of Kyoto.** Transp Res Interdiscip Perspect 2022; 13:100551Sun W, Schmöcker JD, Nakao S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128389
133. **Service contracting as a policy response for public transport recovery during the Covid-19 Pandemic: A preliminary evaluation.** Transp Res Interdiscip Perspect 2022; 13:100559Sunio V, Joseph Li W, Pontawe J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169695
134. **Urban green spaces and stress during COVID-19 lockdown: A case study for the city of Madrid.** Urban For Urban Green 2022; 69:127492Maury-Mora M, Gómez-Villarino MT, Varela-Martínez C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35153643
135. **A Global Study on the Correlates of Gross Domestic Product (GDP) and COVID-19 Vaccine Distribution.** Vaccines (Basel) 2022; 10Basak P, Abir T, Al Mamun A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214724
136. **Contradictory or complementary? Stakeholders' perceptions of a circular economy for single-use plastics.** Waste Manag 2022; 142:1-8Grodzińska-Jurczak M, Krawczyk A, Akhshik A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151014
137. **The effects of fiscal policy on households during the COVID-19 pandemic: Evidence from Thailand and Vietnam.** World Dev 2022; 153:105828Bui D, Dräger L, Hayo B, Nghiem G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35169351
138. **Craving variations in patients with substance use disorder and gambling during COVID-19 lockdown: The Italian experience.** World J Clin Cases 2022; 10:882-890Alessi MC, Martinotti G, De Berardis D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127903

Pathology (9 articles)

1. **Spectrum of Kidney Injury Following COVID-19 Disease: Renal Biopsy Findings in a Single Italian Pathology Service.** Biomolecules 2022; 12Gambella A, Barreca A, Biancone L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204798
2. **Impact of COVID-19 pandemic on diagnostic pathology in the Netherlands.** BMC Health Serv. Res. 2022; 22:166van Velthuysen MLF, van Eeden S, le Cessie S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139847
3. **Sparing the Prod: Providing an alternative to endomyocardial biopsies with non-invasive surveillance after heart transplantation during COVID-19.** CJC

Open 2022; Amadio JM, Rodenas-Alesina E, Superina S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187463

4. **Biopsy-proven Fulminant Myocarditis Requiring Mechanical Circulatory Support Following COVID-19 mRNA Vaccination.** CJC Open 2022; Kazama S, Okumura T, Kimura Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187464
5. **Cytologic and histologic features of COVID-19 post-vaccination lymphadenopathy.** Cytojournal 2021; 18:34García-Molina F, Cegarra-Navarro MF, Andrade-Gonzales RJ, Martinez-Díaz F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126612
6. **Detection of SARS-CoV-2 in Neonatal Autopsy Tissues and Placenta.** Emerg Infect Dis 2022; 28:510-517Reagan-Steiner S, Bhatnagar J, Martines RB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138244
7. **Non-fatal strangulation and COVID-19 common symptoms and signs: considerations for medical and forensic assessment.** Forensic Sci. Med. Pathol. 2022; Bugeja L, Rowse J, Cunningham N, Parkin JA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137342
8. **Long persistence of severe acute respiratory syndrome coronavirus 2 swab positivity in a drowned corpse: a case report.** J Med Case Rep 2022; 16:72Bonelli M, Rosato E, Locatelli M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139890
9. **Autopsy findings of a patient with severe COVID-19 treated with long-term extracorporeal membrane oxygenation.** Respir Med Case Rep 2022; 36:101595Sekihara K, Uemura T, Okamoto T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127436

Protection (31 articles)

1. **Transparent Anti-SARS-CoV-2 and Antibacterial Silver Oxide Coatings.** ACS Appl Mater Interfaces 2022; 14:8718-8727Hosseini M, Chin AWH, Williams MD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138100
2. **Focused Multivector Ultraviolet (FMUV) Technology Rapidly Eradicates SARS-CoV-2 in-vitro: Implications for Hospital Disinfection of COVID-19 Environments.** Am. J. Infect. Control 2022; Park S, Perlin DS, Fitzgerald S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151772
3. **Comparison of filtration efficiency and respiratory resistance of COVID-19 protective masks by multi-national standards.** Am. J. Infect. Control 2022; Wang W, Chen T, Li Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158009
4. **Sanitary safety of the 2021 French Intensive Care Society medical conference: a case/control study.** Ann Intensive Care 2022; 12:11. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147794
5. **Lessons learned from the Tokyo games isolation hotel experience.** Br. J. Sports Med. 2022; Olin JT, Fredericson M, Nichol C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149511
6. **How to join and stay in the Olympic COVID-free "bubble"?** Brain Behav Immun Health 2022; 20:100424Su Z, McDonnell D, Cheshmehzangi A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128490
7. **Infection risk of SARS-CoV-2 in a dining setting: Deposited droplets and aerosols.** Build. Environ. 2022; 213:108888Ding S, Lee JS, Mohamed MA, Ng BF. http://www.ncbi.nlm.nih.gov/pubmed/?term=35169378

8. **Face masks disrupt holistic processing and face perception in school-age children.** Cogn Res Princ Implic 2022; 7:9Stajduhar A, Ganel T, Avidan G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128574
9. **Ferroelectric PVDF nanofiber membrane for high-efficiency PM0.3 air filtration with low air flow resistance.** Colloids Surf A Physicochem Eng Asp 2022; 640:128418Bui TT, Shin MK, Jee SY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125661
10. **Skin barrier function in nursing apprentices during the coronavirus disease 2019 (COVID-19) pandemic.** Contact Dermatitis 2022; Babić Ž, Šakić F, Franić Z, Macan J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35146772
11. **Numerical evaluation of face masks for prevention of COVID-19 airborne transmission.** Environ. Sci. Pollut. Res. Int. 2022; Liu J, Hao M, Chen S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141824
12. **Particle Size Analysis in Aerosol-Generating Dental Procedures Using Laser Diffraction Technique.** Front Oral Health 2022; 3:804314Onoyama K, Matsui S, Kikuchi M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35224541
13. **A Pathfinding Algorithm for Lowering Infection Exposure of Healthcare Personnel Working in Makeshift Hospitals.** Healthcare (Basel) 2022; 10Rolle B, Kiran R, Straub J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206958
14. **Heat Strain and Use of Heat Mitigation Strategies among COVID-19 Healthcare Workers Wearing Personal Protective Equipment-A Retrospective Study.** Int J Environ Res Public Health 2022; 19Bongers C, de Korte JQ, Zwartkruis M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35162925
15. **Preventing facial pressure injuries among health care staff working in diverse COVID-19 care environments.** Int. Wound J. 2022; Moore Z, Moore D, McEvoy NL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146927
16. **Spread of infectious agents through the air in complex spaces.** Interface Focus 2022; 12:20210080Eames I, Flór JB. http://www.ncbi.nlm.nih.gov/pubmed/?term=35261735
17. **Outbreak of SARS-CoV-2 at a hospice: terminated after the implementation of enhanced aerosol infection control measures.** Interface Focus 2022; 12:20210066Feathers L, Hinde T, Bale T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35261730
18. **Modelling airborne transmission of SARS-CoV-2 using CARA: risk assessment for enclosed spaces.** Interface Focus 2022; 12:20210076Henriques A, Mounet N, Aleixo L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35261732
19. **COVID-19: the case for aerosol transmission.** Interface Focus 2022; 12:20210072Tellier R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35261731
20. **Is It Useful to Determine the Temperature of Children for COVID-19 Screening in the Dental Setting?** J Clin Med 2022; 11García-Mato E, Varela-Aneiros I, Abeleira-Pazos M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207248
21. **Hand sanitizers as a preventive measure in COVID-19 pandemic, its characteristics, and harmful effects: a review.** J. Egypt. Public Health Assoc. 2022; 97:6Prajapati P, Desai H, Chandarana C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35133535
22. **Spread of SARS-CoV-2 aerosols via two connected drainage stacks in a high-rise housing outbreak of COVID-19.** J. Hazard. Mater. 2022; 430:128475Wang Q, Lin Z, Niu J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35183827

23. **Environmental contamination and personal protective equipment contamination with SARS-CoV-2 virus in a real-life clinical setting.** J Infect Prev 2022; 23:7-10Shahi AK, Ahmed-Saeed N, Taylor I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126674
24. **Effective disinfecting of protective devices used in the course of treating SARS-CoV2-positive patients.** J Infect Prev 2022; 23:20-24Tan MG, Gui Feng T, Teck Liang L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126677
25. **Home Use Guidance for Aerosol-Generating Procedures During the Coronavirus Disease 2019 Pandemic.** J. Nurse Pract. 2022; George M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165527
26. **Measures against COVID-19 pandemic - a single tertiary center experience.** J. Obstet. Gynaecol. 2022:1-7Ilgen O, Saatli B, Timur T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142254
27. **Prehospital Testing and Surveillance for SARS-CoV-2: A Special Report from the Sacramento (California USA) Mobile Integrated Health Unit.** Prehosp. Disaster Med. 2022:1-4Jarman AF, Ford JS, Maynard MJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144714
28. **The perceived threat of COVID-19 and its impact on hygienic precautionary behaviors: A multi-countries study.** Public Health Nurs. 2022; Alzaatreh MY, Al-Maraira OA, Khrais H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152490
29. **Point of emission air filtration enhances protection of healthcare workers against skin contamination with virus aerosol.** Respirology 2022; Landry SA, Subedi D, MacDonald MI *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156259
30. **Antiviral effect of mouthwashes against SARS-COV-2: A systematic review.** Saudi Dent J 2022; Mendoza J, Ubillús BPT, Bolívar GTS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125835
31. **Metabolism-based ventilation monitoring and control method for COVID-19 risk mitigation in gymnasiums and alike places.** Sustain Cities Soc 2022; 80:103719Wang J, Huang J, Fu Q *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127340

Pulmonary disease (16 articles)

1. **Spontaneous pneumothorax and pneumomediastinum in patients with COVID-19: A case series from Iran.** Clin Case Rep 2022; 10:e05355Yassin Z, Ebrahimian M, Motamedi O *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169468
2. **Caregiver Experiences Managing Persistent Childhood Asthma During the COVID-19 Pandemic.** Clin. Pediatr. (Phila.) 2022:99228211070659Caveney B, Halterman JS, Fagnano M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35139689
3. **Asthma, from mild to severe, is an independent prognostic factor for mild to severe Coronavirus disease 2019 (COVID-19).** Clin. Respir. J. 2022; Kwok WC, Tam AR, Ho JCM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146925
4. **Hypersentivity reactions to COVID-19 vaccines: a case of Eosinophilic pneumonia following Sinovac/CoronaVac vaccination.** Eur. Ann. Allergy Clin. Immunol. 2022; Ozturk AB, Çağlayan B, Kapmaz M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156356
5. **Alternation of the Autonomic Nervous System Is Associated With Pulmonary Sequelae in Patients With COVID-19 After Six Months of Discharge.** Front.

Physiol. 2021; 12:805925Bai T, Zhou D, Yushanjiang F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126184

6. **Incidentally Detected COVID-19 Lung Changes during Oncologic Fluorodeoxyglucose Positron Emission Tomography-Computerized Tomography Studies: Experience from Tertiary Care Cancer Hospital.** Indian J. Nucl. Med. 2021; 36:357-361Purandare NC, Prakash A, Shah S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125752
7. **Current Practices and Recommendations for Prioritizing Patients Mimicking Upper Respiratory Tract Symptoms in Period of Covid 19 Pandemic: A Strategic Perspective.** Indian J Otolaryngol Head Neck Surg 2022:1-6Bansal C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127461
8. **Development and Content Validation of a Comprehensive Health Literacy Survey Instrument for Use in Individuals with Asthma during the COVID-19 Pandemic.** Int J Environ Res Public Health 2022; 19Hasenpusch C, Matterne U, Tischer C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206109
9. **Protocol Failure Detection: The Conflation of Acute Respiratory Distress Syndrome, SARS-CoV-2 Pneumonia and Respiratory Dysfunction.** J. Emerg. Trauma Shock 2021; 14:227-231Lynn LA, Wheeler E, Woda R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125789
10. **COVID-19 Pneumonia and Status Asthmaticus With Respiratory Failure in a Pediatric Patient: A Simulation for Emergency Medicine Providers.** MedEdPORTAL 2022; 18:11214Tsao HS, Kelley MN, Allister L, Wing R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128048
11. **Diagnosis of hypercritical chronic pulmonary disorders using dense convolutional network through chest radiography.** Multimed Tools Appl 2022:1-25Mehrotra R, Agrawal R, Ansari MA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125924
12. **Aspergillus-PCR in bronchoalveolar lavage - diagnostic accuracy for invasive pulmonary aspergillosis in critically ill patients.** Mycoses 2022; Mikulska M, Furfaro E, Dettori S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138675
13. **[Development and progress in respiratory tract infections].** Pneumologe (Berl) 2022:1-7Pletz MW. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194417
14. **Pulmonary vascular inflammation with fatal coronavirus disease 2019 (COVID-19): possible role for the NLRP3 inflammasome.** Respir Res 2022; 23:25Paul O, Tao JQ, West E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144622
15. **The effect of hookah use on COVID-19 related adverse outcomes: Lessons learned from integrating STEPs 2016 and national COVID-19 registration databases.** Tob Induc Dis 2022; 20:11Ghamari A, Rezaei N, Ranjbar M, Farzadfar F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125994
16. **COVID-19 Pneumonia and Lung Cancer: A Challenge for the RadiologistReview of the Main Radiological Features, Differential Diagnosis and Overlapping Pathologies.** Tomography 2022; 8:513-528Guarnera A, Santini E, Podda P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35202206

Renal disease (15 articles)

1. **Foe and friend in the COVID-19-associated acute kidney injury: an insight on intrarenal renin-angiotensin system.** Acta Biochim Biophys Sin (Shanghai) 2022; 54:1-11Xu C, Chen Y, Yu J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130610

2. **Role of Urinary Kidney Stress Biomarkers for Early Recognition of Subclinical Acute Kidney Injury in Critically Ill COVID-19 Patients.** Biomolecules 2022; 12Casas-Aparicio G, Alvarado-de la Barrera C, Escamilla-Illescas D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204776
3. **Spectrum of Kidney Injury Following COVID-19 Disease: Renal Biopsy Findings in a Single Italian Pathology Service.** Biomolecules 2022; 12Gambella A, Barreca A, Biancone L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204798
4. **The Efficacy of Early Additional Hemoperfusion Therapy for Severe COVID-19 Patients: A Prospective Cohort Study.** Blood Purif. 2022:1-10Surasit K, Srisawat N. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139519
5. **Prognostic value of estimated glomerular filtration rate in hospitalised older patients (over 65) with COVID-19: a multicentre, European, observational cohort study.** BMC Geriatr. 2022; 22:119Carter B, Ramsay EA, Short R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151257
6. **SARS-CoV-2 infection increases risk of acute kidney injury in a bimodal age distribution.** BMC Nephrol. 2022; 23:63Bjornstad EC, Cutter G, Guru P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144572
7. **Factors associated with SARS-CoV-2 antibody titers and prognosis of breakthrough infection in hemodialysis patients.** Clin. Exp. Nephrol. 2022:1-10Toda M, Yoshifuji A, Kikuchi K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133533
8. **Vaccination and COVID-19 Dynamics in Dialysis Patients.** Clin J Am Soc Nephrol 2022; 17:395-402El Karoui K, Hourmant M, Ayav C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144970
9. **Seroresponse to SARS-CoV-2 Vaccines among Maintenance Dialysis Patients over 6 Months.** Clin J Am Soc Nephrol 2022; 17:403-413Hsu CM, Weiner DE, Manley HJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144972
10. **Growing Understanding of the Clinical and Serologic Effects of COVID-19 Vaccines in Patients Undergoing Long-Term Dialysis.** Clin J Am Soc Nephrol 2022; 17:335-337Hundemer GL, Sood MM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144971
11. **Impact of COVID-19 on Renal Function: A Multivariate Analysis of Biochemical and Immunological Markers in Patients.** Cureus 2022; 14:e22076Panimathi R, Gurusamy E, Mahalakshmi S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165642
12. **Comparative Effectiveness of mRNA-based BNT162b2 Vaccine versus Adenovirus Vector-Based Ad26.COV2.S Vaccine for the Prevention of COVID-19 among Dialysis Patients.** J Am Soc Nephrol 2022; Brunelli SM, Sibbel S, Karpinski S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135894
13. **Covid-19 and acute kidney injury: A new perspective.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S166-s169Al-Kuraishy HM, Al-Gareeb AI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130242
14. **Similarities and Differences between COVID-19-Associated Nephropathy and HIV-Associated Nephropathy.** Kidney Dis (Basel) 2022; 8:1-12Chen A, Yin L, Lee K, He JC. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127839
15. **Chronic Kidney Disease and COVID-19: Outcomes of hospitalised adults from a tertiary care centre in North India.** Med J Armed Forces India 2022; Bhinder OS, Swarnim S, Mantan M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169379

Reviews (57 articles)

1. **Characteristics of Takotsubo cardiomyopathy in patients with COVID-19: Systematic scoping review.** Am Heart J Plus 2022; 13:100092Techasatian W, Nishimura Y, Nagamine T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128499
2. **COVID-19 and the Cardiovascular System: An Update.** Am. J. Med. Sci. 2022; Salabei JK, Asnake ZT, Ismail ZH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151635
3. **Morphological and tissue-based molecular characterization of oral lesions in patients with COVID-19: A living systematic review.** Arch. Oral Biol. 2022; 136:105374Silveira FM, Mello ALR, da Silva Fonseca L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180550
4. **Molecular and pharmacological aspects of piperine as a potential molecule for disease prevention and management: evidence from clinical trials.** Beni Suef Univ J Basic Appl Sci 2022; 11:16Tripathi AK, Ray AK, Mishra SK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127957
5. **Hospital acquired COVID-19 infections amongst patients before the rollout of COVID-19 vaccinations, a scoping review.** BMC Infect. Dis. 2022; 22:140Ngandu NK, Mmotsa TM, Dassaye R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144556
6. **Adapting obstetric and neonatal services during the COVID-19 pandemic: a scoping review.** BMC Pregnancy Childbirth 2022; 22:119Gold S, Clarfield L, Johnstone J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148698
7. **Assessing vaccine hesitancy in Arab countries in the Middle East and North Africa (MENA) region: a scoping review protocol.** BMJ Open 2022; 12:e045348Galal B, Lazieh S, Al-Ali S, Khoshnood K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35149559
8. **On top of that all, now Covid-19, too. A scoping review of specificities and correlates of fear of cancer recurrence in breast cancer patients during COVID-19.** Breast 2022; 62:123-134Kállay É, Medrea F, Dégi CL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35176683
9. **The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief report on a comparison of the laboratory diagnosis and literature review.** Clin Chim Acta 2022; 529:42-45Hsiao PJ, Wu KL, Chen YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167842
10. **Increased Peripheral Blood Neutrophil Activation Phenotypes and Neutrophil Extracellular Trap Formation in Critically Ill Coronavirus Disease 2019 (COVID-19) Patients: A Case Series and Review of the Literature.** Clin Infect Dis 2022; 74:479-489Masso-Silva JA, Moshensky A, Lam MTY *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33988226
11. **Obesity augments the disease burden in COVID-19: Updated data from an umbrella review.** Clin Obes 2022:e12508Kristensen NM, Gribsholt SB, Andersen AL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137524
12. **Association Between Statin Use and Poor Outcomes in COVID-19 Patients with Diabetes Mellitus: A Systematic Review.** Curr. Diabetes Rev. 2022; Audrey J, Wisnu W, Tahapary DL. http://www.ncbi.nlm.nih.gov/pubmed/?term=35139792

13. **["Management of nurses specialized in the aero-evacuation of highly infectious critical patients, during the COVID-19 pandemic. Systematic review."].** Enferm. Intensiva 2022; Leiva-Miranda V, Arriagada-Tirado B, Martín-Díaz JCS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169384
14. **Clinical patterns of somatic symptoms in patients suffering from post-acute long COVID: a systematic review.** Eur J Clin Microbiol Infect Dis 2022:1-31Nguyen NN, Hoang VT, Dao TL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142947
15. **SARS-CoV-2: The Monster Causes COVID-19.** Front Cell Infect Microbiol 2022; 12:835750Song C, Li Z, Li C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211423
16. **Editorial: Role of Neuroinflammation in the Neuropsychiatric and Neurological Aspects of COVID-19.** Front. Cell. Neurosci. 2022; 16:840121Tremblay ME, Madore C, Tian L, Verkhratsky A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35221927
17. **The Complexity of SARS-CoV-2 Infection and the COVID-19 Pandemic.** Front. Microbiol. 2022; 13:789882da Silva Torres MK, Bichara CDA, de Almeida M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222327
18. **Impact of COVID-19 on Periodontitis and Peri-Implantitis: A Narrative Review.** Front Oral Health 2022; 3:822824Mancini L, Americo LM, Pizzolante T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35224542
19. **Specific Interleukin-1 Inhibitors, Specific Interleukin-6 Inhibitors, and GM-CSF Blockades for COVID-19 (at the Edge of Sepsis): A Systematic Review.** Front. Pharmacol. 2021; 12:804250Wang Y, Zhu K, Dai R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126138
20. **How to Reduce Mental Health Burden in Health Care Workers During COVID-19?-A Scoping Review of Guideline Recommendations.** Front Psychiatry 2021; 12:770193Halms T, Strasser M, Kunz M, Hasan A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126194
21. **Healthcare Professionals, Post-traumatic Stress Disorder, and COVID-19: A Review of the Literature.** Front Psychiatry 2021; 12:795221Saladino V, Auriemma V, Campinoti V. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126205
22. **Addressing Inequalities Toward Inclusive Governance for Achieving One Health: A Rapid Review.** Front Public Health 2021; 9:755285Eliakimu ES, Mans L. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127612
23. **Targeting TNF-α for COVID-19: Recent Advanced and Controversies.** Front Public Health 2022; 10:833967Guo Y, Hu K, Li Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223745
24. **Facilitators and Barriers of COVID-19 Vaccine Promotion on Social Media in the United States: A Systematic Review.** Healthcare (Basel) 2022; 10Lieneck C, Heinemann K, Patel J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206935
25. **The Impact of the COVID-19 Pandemic on Burnout, Compassion Fatigue, and Compassion Satisfaction in Healthcare Personnel: A Systematic Review of the Literature Published during the First Year of the Pandemic.** Healthcare (Basel) 2022; 10Lluch C, Galiana L, Doménech P, Sansó N. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206978
26. **Remdesivir for pregnancy: A systematic review of antiviral therapy for COVID-19.** Heliyon 2022; 8:e08835Budi DS, Pratama NR, Wafa IA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128114

27. **Registry Systems for COVID-19 Vaccines and Rate of Acceptability for Vaccination Before and After Availability of Vaccines in 12 Countries: A Narrative Review.** Infect Dis Rep 2022; 14:121-133Papagiannis D, Malli F, Gourgoulianis KI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35200443
28. **A Guide to Different Intensities of Exercise, Vaccination, and Sports Nutrition in the Course of Preparing Elite Athletes for the Management of Upper Respiratory Infections during the COVID-19 Pandemic: A Narrative Review.** Int J Environ Res Public Health 2022; 19Agha-Alinejad H, Ahmadi Hekmatikar AH, Ruhee RT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35162910
29. **Omicron Genetic and Clinical Peculiarities That May Overturn SARS-CoV-2 Pandemic: A Literature Review.** Int J Mol Sci 2022; 23Tiecco G, Storti S, Degli Antoni M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35216104
30. **Women healthcare workers' experiences during COVID-19 and other crises: A scoping review.** Int J Nurs Stud Adv 2022; 4:100066Morgan R, Tan HL, Oveisi N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128472
31. **SARS-CoV-2-related Myelin Oligodendrocyte Glycoprotein Antibody-associated Disease: A Case Report and Literature Review.** Intern Med 2022; Ide T, Kawanami T, Eriguchi M, Hara H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35135920
32. **Immune response to vaccination in adults with mental disorders: A systematic review.** J. Affect. Disord. 2022; 304:66-77Xiao K, Gillissie ES, Lui LMW *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167926
33. **Mental health outcomes of adults hospitalized for COVID-19: A systematic review.** J Affect Disord Rep 2022; 8:100312Veazie S, Lafavor B, Vela K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165670
34. **COVID-19, Vaccines, and Thrombotic Events: A Narrative Review.** J Clin Med 2022; 11Abrignani MG, Murrone A, De Luca L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207220
35. **A Comprehensive Review of Neuromuscular Manifestations of COVID-19 and Management of Pre-Existing Neuromuscular Disorders in Children.** J Clin Med 2022; 11Goetschius DJ, Kim Y, Kumar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207206
36. **Movement Disorders Induced by SARS-CoV-2 Infection: Protocol for a Scoping Review.** J Clin Med 2022; 11Rosca EC, Vastag Z, Phokaewvarangkul O, Sringean J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35207194
37. **Neurological Immune-Related Adverse Events After COVID-19 Vaccination: A Systematic Review.** J. Clin. Pharmacol. 2022; 62:291-303Shafiq A, Salameh MA, Laswi I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34921562
38. **Late inflammatory reactions in patients with soft tissue fillers after SARS-CoV-2 infection and vaccination: A systematic review of the literature.** J Cosmet Dermatol 2022; Bachour Y, Bekkenk MW, Rustemeyer T, Kadouch JA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150192
39. **COVID-19 and Physical Activity Behaviour in People with Neurological Diseases: A Systematic Review.** J Dev Phys Disabil 2022:1-26Abasıyanık Z, Kurt M, Kahraman T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125854
40. **Hand sanitizers as a preventive measure in COVID-19 pandemic, its characteristics, and harmful effects: a review.** J. Egypt. Public Health Assoc. 2022; 97:6Prajapati P, Desai H, Chandarana C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35133535

41. **Multi-systemic inflammatory syndrome in childhood (MIS-C): A review article.** J. Pak. Med. Assoc. 2021; 71(Suppl 9):S70-s73Akram NN, Nori W, Al Qaissi KW, Abdulrahman Hadi BA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130265
42. **Misfortune and spy story in the neurological manifestations of Covid-19.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S157-s160Al-Buhadily AK, Hussien NR, Al-Niemi MS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130240
43. **Metabolic Snapshot of Plasma Samples Reveals New Pathways Implicated in SARS-CoV-2 Pathogenesis.** J. Proteome Res. 2022; 21:623-634Albóniga OE, Jiménez D, Sánchez-Conde M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133846
44. **Vitiligo Following Coronavirus Disease (COVID-19): A Case Report and Review of Pathophysiology.** JAAD Case Rep 2022; Schmidt AF, Rubin A, Milgraum D, Wassef C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35169601
45. **Pityriasis Rosea-like Rash after mRNA COVID-19 Vaccination: A Case Report and Review of the Literature.** JAAD Int 2022; Buckley JE, Landis LN, Rapini RP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35156062
46. **Association between alopecia areata and COVID-19: A systematic review.** JAAD Int 2022; 7:57-61Christensen RE, Jafferany M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35165668
47. **The Pathogenesis and Long-Term Consequences of COVID-19 Cardiac Injury: State-of-the-Art Review.** JACC Basic Transl Sci 2022; Siripanthong B, Asatryan B, Hanff TC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165665
48. **Central Retinal Vein Occlusion in a Young Healthy COVID-19 Patient: A Case Report and Literature Review.** Middle East Afr J Ophthalmol 2021; 28:199-202Al-Abri M, Al-Musalami A, Al-Rawahi B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125806
49. **The role of vitamin B12 in viral infections: a comprehensive review of its relationship with the muscle-gut-brain axis and implications for SARS-CoV-2 infection.** Nutr. Rev. 2022; 80:561-578Batista KS, Cintra VM, Lucena PAF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34791425
50. **[Development and progress in respiratory tract infections].** Pneumologe (Berl) 2022:1-7Pletz MW. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194417
51. **Cutaneous manifestations of coronavirus disease 2019 - review of literature and case reports.** Postepy Dermatol Alergol 2021; 38:943-947Ciechanowicz P, Szymańska E, Wiszniewski K, Walecka I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125998
52. **Neurological complications associated with Covid-19; molecular mechanisms and therapeutic approaches.** Rev Med Virol 2022:e2334Mahboubi Mehrabani M, Karvandi MS, Maafi P, Doroudian M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35138001
53. **Antiviral effect of mouthwashes against SARS-COV-2: A systematic review.** Saudi Dent J 2022; Mendoza J, Ubillús BPT, Bolívar GTS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125835
54. **INSIGHTS INTO THE BIOLOGICAL IMPACT OF COVID-19 AND ITS VACCINES ON HUMAN HEALTH.** Saudi J. Biol. Sci. 2022; Dhwaj Ashwlayan V, Antlash C, Imran M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185356
55. **Ivermectin in COVID-19: The Case for a Moratorium on Prescriptions.** Ther Innov Regul Sci 2022; Molnar A, Lau S, Berges M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35147927

56. **How frequent are acute reactions to COVID-19 vaccination and who is at risk?** Vaccine 2022; 40:1904-1912Dreyer N, Reynolds MW, Albert L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177299
57. **A comprehensive review on COVID-19 vaccines: development, effectiveness, adverse effects, distribution and challenges.** Virusdisease 2022:1-22Rahman MM, Masum MHU, Wajed S, Talukder A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127995

Risk factors (56 articles)

1. **Relationship between high-risk alcohol consumption and severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) seroconversion: a prospective sero-epidemiological cohort study among American college students.** Addiction 2022; Kianersi S, Ludema C, Macy JT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129232
2. **Relationship between cytokine storm and SARS-CoV-2 infection's worsening.** AIDS Rev. 2022; Guermouche B, Dali-Sahi M, Dennouni-Medjati N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135040
3. **Relationship Between Blood Lipid Levels and Mortality in Hospitalized COVID-19 Patients.** Angiology 2022:33197211072346Aydın S, Aksakal E, Aydınyılmaz F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35124978
4. **Association of soluble receptor for advanced glycation end-products (sRAGE) serum on COVID-19 severity: A cross-sectional study.** Ann Med Surg (Lond) 2022; 74:103303Saputra GNR, Yudhawati R, Fitriah M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127073
5. **Clinical and Epidemiological Correlates of Low IFN-Gamma Responses in Mitogen Tube of QuantiFERON Assay in Tuberculosis Infection Screening During the COVID-19 Pandemic: A Population-Based Marker of COVID-19 Mortality?** Arch. Bronconeumol. 2022; Palacios-Gutiérrez JJ, Rodríguez-Guardado A, Arias-Guillén M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185258
6. **A complete framework for accurate recognition and prognosis of COVID-19 patients based on deep transfer learning and feature classification approach.** Artif Intell Rev 2022:1-46Balaha HM, El-Gendy EM, Saafan MM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125606
7. **Prognostic value of estimated glomerular filtration rate in hospitalised older patients (over 65) with COVID-19: a multicentre, European, observational cohort study.** BMC Geriatr. 2022; 22:119Carter B, Ramsay EA, Short R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151257
8. **Epidemiology, clinical characteristics and risk factors of COVID-19 among children in Saudi Arabia: a multicenter chart review study.** BMC Pediatr. 2022; 22:86AlGhamdi A, Al Talhi Y, Al Najjar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151286
9. **Online survey comparing coping responses to SARS-CoV-2 by people with and without existing health conditions in the UK.** BMJ Open 2022; 12:e051575Hewitt RM, Pattinson R, Daniel R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144948
10. **Small steps, strong shield: directly measured, moderate physical activity in 65 361 adults is associated with significant protective effects from severe COVID-19 outcomes.** Br. J. Sports Med. 2022; Steenkamp L, Saggers RT, Bandini R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140062

11. **The FCGR2A rs1801274 polymorphism was associated with the risk of death among COVID-19 patients.** Clin Immunol 2022; 236:108954López-Martínez R, Albaiceta GM, Amado-Rodríguez L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149195
12. **Risk Factors for Infection and Health Impacts of the Coronavirus Disease 2019 (COVID-19) Pandemic in People With Autoimmune Diseases.** Clin Infect Dis 2022; 74:427-436Fitzgerald KC, Mecoli CA, Douglas M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33956972
13. **Trends Over Time in the Risk of Adverse Outcomes Among Patients With Severe Acute Respiratory Syndrome Coronavirus 2 Infection.** Clin Infect Dis 2022; 74:416-426Ioannou GN, O'Hare AM, Berry K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33973000
14. **Racial and Ethnic Differences and Clinical Outcomes of Patients With Coronavirus Disease 2019 (COVID-19) Presenting to the Emergency Department.** Clin Infect Dis 2022; 74:387-394Wiley Z, Ross-Driscoll K, Wang Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33822023
15. **Who Would Have Predicted Multisystem Inflammatory Syndrome in Children?** Curr. Rheumatol. Rep. 2022; 24:1-11Reiff DD, Cron RQ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150412
16. **Which children and young people are at higher risk of severe disease and death after hospitalisation with SARS-CoV-2 infection in children and young people: A systematic review and individual patient meta-analysis.** EClinicalMedicine 2022; 44:101287Harwood R, Yan H, Talawila Da Camara N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169689
17. **Nitrogen dioxide pollution increases vulnerability to COVID-19 through altered immune function.** Environ. Sci. Pollut. Res. Int. 2022; Di Ciaula A, Bonfrate L, Portincasa P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133597
18. **Prognostic value of copeptin and mid-regional proadrenomedullin in COVID-19-hospitalized patients.** Eur. J. Clin. Invest. 2022:e13753Indirli R, Bandera A, Valenti L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128648
19. **Effects of multimorbidity on incident COVID-19 events and its interplay with COVID-19 event status on subsequent incident myocardial infarction (MI).** Eur. J. Clin. Invest. 2022:e13760Lip GYH, Genaidy A, Tran G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152401
20. **ORF8 and Health Complications of COVID-19 in Down Syndrome Patients.** Front Genet 2022; 13:830426Bensussen A, Valcarcel A, Álvarez-Buylla ER, Díaz J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222544
21. **Predicting Severe Disease and Critical Illness on Initial Diagnosis of COVID-19: Simple Triage Tools.** Front Med (Lausanne) 2022; 9:817549Kurban LAS, AlDhaheri S, Elkkari A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223916
22. **The Relationship Between Convergent IGH Signatures and Severity of COVID-19 Patients by Next-Generation Sequencing of B-Cell Repertoire.** Front. Microbiol. 2021; 12:833054Cai H, Hu J, Huang L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222317
23. **The Relationships Among Periodontitis, Pneumonia and COVID-19.** Front Oral Health 2021; 2:801815Brock M, Bahammam S, Sima C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128525
24. **Red Blood Cell Abnormalities as the Mirror of SARS-CoV-2 Disease Severity: A Pilot Study.** Front. Physiol. 2021; 12:825055Bouchla A, Kriebardis AG,

Georgatzakou HT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126186
25. **Stability of Risk Preferences During COVID-19: Evidence From Four Measurements.** Front. Psychol. 2021; 12:702028Zhang P, Palma MA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222133
26. **Antineutrophil cytoplasmic antibody positivity and clinical implications in COVID-19.** Future Virol. 2022; Güven SC, Apaydın H, Özdemir B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35173795
27. **Neutrophil-to-lymphocyte ratio and D-dimer are biomarkers of death risk in severe COVID-19: A retrospective observational study.** Health Sci Rep 2022; 5:e514Terra POC, Donadel CD, Oliveira LC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155834
28. **Evaluation of the Potential Risk of Mortality from SARS-CoV-2 Infection in Hospitalized Patients According to the Charlson Comorbidity Index.** Healthcare (Basel) 2022; 10Gutierrez-Camacho JR, Avila-Carrasco L, Murillo-Ruíz-Esparza A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206976
29. **The relationship between peripheral immune response and disease severity in SARS-CoV-2-infected subjects: A cross-sectional study.** Immunology 2022; Walter LO, Cardoso CC, Santos-Pirath Í M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146763
30. **Factors associated with hospital admission and adverse outcome for COVID-19: Role of social factors and medical care.** Infect Dis Now 2022; Beaumont AL, Vignes D, Sterpu R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172217
31. **Sex differences in COVID-19 mortality in the Netherlands.** Infection 2022; Niessen A, Teirlinck AC, McDonald SA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138581
32. **The Impact of Vitamin D Status on COVID-19 Severity among Hospitalized Patients in the Western Region of Saudi Arabia: A Retrospective Cross-Sectional Study.** Int J Environ Res Public Health 2022; 19Bushnaq T, Algethami F, Qadhi A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35162923
33. **Reduced ADAMTS13 Activity in Correlation with Pathophysiology, Severity, and Outcome of COVID-19: A Retrospective Observational Study.** Int J Infect Dis 2022; 117:334-344Hafez W, Ziade MA, Arya A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167969
34. **Hospitalized patients with breakthrough COVID-19: Clinical features and poor outcome predictors.** Int J Infect Dis 2022; 118:89-94Moreno-Perez O, Ribes I, Boix V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172182
35. **Independent risk factors of COVID-19 pneumonia in vaccinated Mexican adults.** Int J Infect Dis 2022; Murillo-Zamora E, Sánchez-Piña RA, Trujillo X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167967
36. **NAFLD determined by Dallas Steatosis Index is associated with poor outcomes in COVID-19 pneumonia: a cohort study.** Intern Emerg Med 2022; Moctezuma-Velázquez P, Miranda-Zazueta G, Ortiz-Brizuela E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138548
37. **Impact of Right Ventricular-Pulmonary Circulation Coupling on Mortality in SARS-CoV-2 Infection.** J Am Heart Assoc 2022; 11:e023220Bursi F, Santangelo G, Barbieri A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156389
38. **Heterozygote Advantage of the Type II deiodinase Thr92Ala Polymorphism on Intrahospital Mortality of COVID-19.** J. Clin. Endocrinol. Metab. 2022; de Lima

Beltrão FE, de Almeida Beltrão DC, Carvalhal G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137147

39. **"Does Transaminitis Predict Severity and Mortality in COVID 19 Patients?".** J. Clin. Exp. Hepatol. 2022; Padmaprakash KV, Thareja S, Raman N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125781
40. **Development and Validation of the Acute PNeumonia Early Assessment Score for Safely Discharging Low-Risk SARS-CoV-2-Infected Patients from the Emergency Department.** J Clin Med 2022; 11Venturini S, Pontoni E, Carnelos R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35160331
41. **The Relationships Between Socioeconomic Status, COVID-19 Risk Perceptions, and the Adoption of Protective Measures in a Mid-Western City in the United States.** J. Community Health 2022:1-11Reed-Thryselius S, Fuss L, Rausch D. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129800
42. **Association of atrial fibrillation with infectivity and severe complications of COVID-19: A nationwide cohort study.** J Med Virol 2022; Park J, Shin JI, Kim DH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130367
43. **Prognostic value of inflammatory biomarkers for predicting the extent of lung involvement and final clinical outcome in patients with COVID-19.** J. Res. Med. Sci. 2021; 26:115Abrishami A, Eslami V, Arab-Ahmadi M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126578
44. **A temporal study of Brazilian pregnant and postpartum women vulnerability for COVID-19: Characteristics, risk factors and outcomes.** Lancet Reg Health Am 2022; 9:100197Hojo-Souza NS, Guidoni DL, Da Silva CM, De Souza FSH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35156076
45. **Predicting the necessity of oxygen therapy in the early stage of COVID-19 using machine learning.** Med. Biol. Eng. Comput. 2022:1-12Saadatmand S, Salimifard K, Mohammadi R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35147843
46. **Chronic Kidney Disease and COVID-19: Outcomes of hospitalised adults from a tertiary care centre in North India.** Med J Armed Forces India 2022; Bhinder OS, Swarnim S, Mantan M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169379
47. **The role of vitamin B12 in viral infections: a comprehensive review of its relationship with the muscle-gut-brain axis and implications for SARS-CoV-2 infection.** Nutr. Rev. 2022; 80:561-578Batista KS, Cintra VM, Lucena PAF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34791425
48. **Age-related differences in SARS-CoV-2 binding factors: An explanation for reduced susceptibility to severe COVID-19 among children?** Paediatr. Respir. Rev. 2022; Abrehart T, Suryadinata R, McCafferty C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35227628
49. **Factors Possibly Associated with Mortality in Intubated COVID-19 Patients: A Retrospective Study.** Pathogens 2022; 11Ramírez-Plascencia LE, Vázquez-León AP, Villaseñor-Magaña A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215178
50. **Oxygen therapy limiting peripheral oxygen saturation to 89-93% is associated with a better survival prognosis for critically ill COVID-19 patients at high altitudes.** Respir. Physiol. Neurobiol. 2022; 299:103868Viruez-Soto A, Arias S, Casas-Mamani R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150939
51. **Pulmonary vascular inflammation with fatal coronavirus disease 2019 (COVID-19): possible role for the NLRP3 inflammasome.** Respir Res 2022; 23:25Paul O,

Tao JQ, West E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144622

52. **Detection of SARS-CoV-2 in urban stormwater: An environmental reservoir and potential interface between human and animal sources.** Sci Total Environ 2022; 807:151046Bernard K, Davis A, Simpson IM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34673059
53. **Predictors of adverse outcome in the first and second waves of the COVID-19 pandemic: results from a UK centre.** Ther Adv Infect Dis 2022; 9:20499361221074569Martin CA, Pan D, Hills G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127082
54. **The effect of hookah use on COVID-19 related adverse outcomes: Lessons learned from integrating STEPs 2016 and national COVID-19 registration databases.** Tob Induc Dis 2022; 20:11Ghamari A, Rezaei N, Ranjbar M, Farzadfar F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125994
55. **Significance of HLA Haplotypes in Two Patients with Subacute Thyroiditis Triggered by mRNA-Based COVID-19 Vaccine.** Vaccines (Basel) 2022; 10Stasiak M, Zawadzka-Starczewska K, Lewiński A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35214738
56. **Symptoms and risk factors for hospitalization of COVID-19 presented in primary care : An exploratory retrospective study.** Wien. Klin. Wochenschr. 2022:1-9Rabady S, Hoffmann K, Brose M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149931

Safety (45 articles)

1. **A COVID-19 Vaccinated Patient with Phosphoinositide 3-Kinase Disease with Mild Illness Following SARS-CoV-2 Infection.** Ann. Allergy. Asthma. Immunol. 2022; Sarkaria S, Kalkat A, Hostoffer R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35167905
2. **Multisystem inflammatory syndrome with erythema multiforme-like rash in an adult after mRNA COVID-19 vaccination.** Ann. Dermatol. Venereol. 2022; Lefeuvre M, Kerneuzet I, Darrieux L, Safa G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35248401
3. **Third cranial nerve palsy in an 88-year-old man after SARS-CoV-2 mRNA vaccination: change of injection site and type of vaccine resulted in an uneventful second dose with humoral immune response.** BMJ Case Rep. 2022; 15Cicalese MP, Ferrua F, Barzaghi F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135792
4. **Changes in QTc interval after hydroxychloroquine therapy in patients with COVID-19 infection: a large, retrospective, multicentre cohort study.** BMJ Open 2022; 12:e051579El Kadri M, Al Falasi O, Ahmed R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140148
5. **COVID-19 vaccination induced myopericarditis: an imager's perspective.** CJC Open 2022; Bews H, Bryson A, Bortoluzzi T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128370
6. **The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief report on a comparison of the laboratory diagnosis and literature review.** Clin Chim Acta 2022; 529:42-45Hsiao PJ, Wu KL, Chen YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167842

7. **COVID-19 vaccines: Considering sex differences in efficacy and safety.** Contemp Clin Trials 2022; 115:106700Jensen A, Stromme M, Moyassari S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149232
8. **Metabolic Activity Assessment by 18F-Fluorodeoxyglucose Positron Emission Tomography in Patients after COVID-19 Vaccination.** Curr. Oncol. 2022; 29:989-1000Shalata W, Levin D, Fridman J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35200583
9. **Cytologic and histologic features of COVID-19 post-vaccination lymphadenopathy.** Cytojournal 2021; 18:34García-Molina F, Cegarra-Navarro MF, Andrade-Gonzales RJ, Martinez-Díaz F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126612
10. **Vasculitis in the setting of COVID-19: From the disease to the vaccine. Report of a case of cutaneous vasculitis after immunization.** Dermatol Ther 2022:e15367Criado PR, Giordani LP, Yoshimoto TA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141989
11. **Oral cinnarizine for the treatment of COVID-19-associated chilblain-like lesions: An old drug for a new disease?** Dermatol Ther 2022:e15365Mazzatenta C, Piccolo V, Argenziano G, Bassi A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137498
12. **Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics.** EBioMedicine 2022; 76:103856Quinn TM, Gaughan EE, Bruce A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152152
13. **Multisystem Inflammatory Syndrome in Adult after First Dose of mRNA Vaccine.** Emerg Infect Dis 2022; 28Miyazato Y, Yamamoto K, Yamada G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148495
14. **Hypersentivity reactions to COVID-19 vaccines: a case of Eosinophilic pneumonia following Sinovac/CoronaVac vaccination.** Eur. Ann. Allergy Clin. Immunol. 2022; Ozturk AB, Çağlayan B, Kapmaz M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156356
15. **COVID-19 and medicinal plants: A critical perspective.** Forensic Sci Int Anim Environ 2022; 2:100043Mathai RV, Jindal MK, Mitra JC, Sar SK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35187518
16. **CD4+ T Cell Immune Specificity Changes After Vaccination in Healthy And COVID-19 Convalescent Subjects.** Front. Immunol. 2021; 12:755891Esparcia-Pinedo L, Martínez-Fleta P, Ropero N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126347
17. **A naturally hypersensitive porcine model may help understand the mechanism of COVID-19 mRNA vaccine-induced rare (pseudo) allergic reactions: complement activation as a possible contributing factor.** Geroscience 2022:1-22Dézsi L, Mészáros T, Kozma G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146583
18. **Lack of inflammatory bowel disease flare-up following two-dose BNT162b2 vaccine: a population-based cohort study.** Gut 2022; Li X, Tong X, Wong ICK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135842
19. **Gut microbiota composition is associated with SARS-CoV-2 vaccine immunogenicity and adverse events.** Gut 2022; Ng SC, Peng Y, Zhang L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140064

20. **Zoster meningitis in an immunocompetent young patient post first dose of BNT162b2 mRNA COVID-19 vaccine, a case report.** IDCases 2022; 27:e01452Kerr C, O'Neill S, Szucs A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186672
21. **Registry Systems for COVID-19 Vaccines and Rate of Acceptability for Vaccination Before and After Availability of Vaccines in 12 Countries: A Narrative Review.** Infect Dis Rep 2022; 14:121-133Papagiannis D, Malli F, Gourgoulianis KI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35200443
22. **The impact of COVID-19 vaccine on sperm quality.** Int J Gynaecol Obstet 2022; Barda S, Laskov I, Grisaru D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128663
23. **Cutaneous Small-vessel Vasculitis after ChAdOx1 COVID-19 Vaccination: A Report of Five Cases.** Int. J. Low. Extrem. Wounds 2022:15347346221078734Uh JA, Lee SK, Kim JH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130095
24. **A Case of New-onset Type 1 Diabetes after Covid-19 mRNA Vaccination.** Intern Med 2022; Yano M, Morioka T, Natsuki Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135929
25. **Comparative Effectiveness of mRNA-based BNT162b2 Vaccine versus Adenovirus Vector-Based Ad26.COV2.S Vaccine for the Prevention of COVID-19 among Dialysis Patients.** J Am Soc Nephrol 2022; Brunelli SM, Sibbel S, Karpinski S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135894
26. **COVID-19, Vaccines, and Thrombotic Events: A Narrative Review.** J Clin Med 2022; 11Abrignani MG, Murrone A, De Luca L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207220
27. **Hypertensive Crisis Following COVID-19 Vaccination.** J. Clin. Pharmacol. 2022; Khani E, Entezari-Maleki T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147213
28. **Neurological Immune-Related Adverse Events After COVID-19 Vaccination: A Systematic Review.** J. Clin. Pharmacol. 2022; 62:291-303Shafiq A, Salameh MA, Laswi I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34921562
29. **Late inflammatory reactions in patients with soft tissue fillers after SARS-CoV-2 infection and vaccination: A systematic review of the literature.** J Cosmet Dermatol 2022; Bachour Y, Bekkenk MW, Rustemeyer T, Kadouch JA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150192
30. **Shoulder Injury Related to Vaccine Administration: Diagnosis and Management.** J Hand Surg Glob Online 2022; Wood CT, Ilyas AM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128359
31. **Prolonged SARS-CoV-2 infection associated with long-term corticosteroid use in a patient with impaired B-cell immunity.** J Infect Chemother 2022; Morishita M, Suzuki M, Matsunaga A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35184976
32. **No Effect of Inactivated SARS-CoV-2 Vaccination on in vitro Fertilization Outcomes: A Propensity Score-Matched Study.** J Inflamm Res 2022; 15:839-849Huang J, Xia L, Lin J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177919
33. **Statins and Covid-19: The Neglected Front of bidirectional effects.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S133-s136Hussien NR, Al-Niemi MS, Al-Kuraishy HM, Al-Gareeb AI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130236
34. **Pityriasis Rosea-like Rash after mRNA COVID-19 Vaccination: A Case Report and Review of the Literature.** JAAD Int 2022; Buckley JE, Landis LN, Rapini RP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35156062

35. **Livedo reticularis on bilateral knees after the third dose of messenger RNA-1273 SARS-CoV-2 vaccine.** JAAD Int 2022; 7:52-53Mintz MA, Jariwala N, Fang V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169755
36. **Immunogenicity induced by the use of alternative vaccine platforms to deal with vaccine shortages in a low- to middle-income country: Results of two randomized clinical trials.** Lancet Reg Health Am 2022; 9:100196Macchia A, Ferrante D, Bouzas MB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128512
37. **Post-adenoviral-based vaccines Guillain-Barre Syndrome: A proposed mechanism.** Med. Hypotheses 2022; 160:110792Kadkhoda K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35185263
38. **Herpes zoster following COVID-19 vaccination in an immunocompetent and vaccinated for herpes zoster adult: A two-vaccine related event?** Metabol Open 2022; 13:100171Vallianou NG, Tsilingiris D, Karampela I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169692
39. **Varicella Zoster Reactivation Causing Acute Retinal Necrosis following mRNA COVID-19 Vaccination in a Young Immunocompetent Man.** Ocul Immunol Inflamm 2022:1-4Lo T, Varma S, Shaw A, Michalova K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35133925
40. **[Sinus bradycardia as a potential side effect of favipiravir treatment].** Orv. Hetil. 2022; 163:267-270Szigeti J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152208
41. **Severe COVID pneumonia and undetectable B cells after vaccination in patients previously treated with rituximab: a case series.** Postgrad. Med. 2022:1-5Sakano T, Bittner EA, Chang MG. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129061
42. **INSIGHTS INTO THE BIOLOGICAL IMPACT OF COVID-19 AND ITS VACCINES ON HUMAN HEALTH.** Saudi J. Biol. Sci. 2022; Dhwaj Ashwlayan V, Antlash C, Imran M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185356
43. **How frequent are acute reactions to COVID-19 vaccination and who is at risk?** Vaccine 2022; 40:1904-1912Dreyer N, Reynolds MW, Albert L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177299
44. **Propensity-Score-Matched Evaluation of Adverse Events Affecting Recovery after COVID-19 Vaccination: On Adenovirus and mRNA Vaccines.** Vaccines (Basel) 2022; 10Son CS, Jin SH, Kang WS. http://www.ncbi.nlm.nih.gov/pubmed/?term=35214742
45. **A comprehensive review on COVID-19 vaccines: development, effectiveness, adverse effects, distribution and challenges.** Virusdisease 2022:1-22Rahman MM, Masum MHU, Wajed S, Talukder A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127995

Treatment options (79 articles)

1. **Association of Treatment with Remdesivir and 30-day Hospital Readmissions in Patients Hospitalized with COVID-19.** Am. J. Med. Sci. 2022; Finn A, Jindal A, Andrea SB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151637
2. **Specific anti-SARS-CoV-2 S1 IgY-scFv is a promising tool for recognition of the virus.** AMB Express 2022; 12:18Ge S, Wu R, Zhou T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150368
3. **Neutralisation of circulating SARS-CoV-2 delta and omicron variants by convalescent plasma and SARS-CoV-2 hyperimmune intravenous human**

immunoglobulins for treatment of COVID-19. Ann. Rheum. Dis. 2022; Zahra FT, Bellusci L, Grubbs G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144925

4. **Treatment Outcomes of Tocilizumab in Critically-Ill COVID-19 Patients, Single-Centre Retrospective Study.** Antibiotics (Basel) 2022; 11Hafez W, Ziade MA, Arya A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35203844
5. **Oral Nirmatrelvir/Ritonavir Therapy for COVID-19: The Dawn in the Dark?** Antibiotics (Basel) 2022; 11Hung YP, Lee JC, Chiu CW *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35203821
6. **Cyanobacteria and Algae-Derived Bioactive Metabolites as Antiviral Agents: Evidence, Mode of Action, and Scope for Further Expansion; A Comprehensive Review in Light of the SARS-CoV-2 Outbreak.** Antioxidants (Basel) 2022; 11Pradhan B, Nayak R, Patra S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204236
7. **Molecular and pharmacological aspects of piperine as a potential molecule for disease prevention and management: evidence from clinical trials.** Beni Suef Univ J Basic Appl Sci 2022; 11:16Tripathi AK, Ray AK, Mishra SK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127957
8. **Drug repurposing for SARS-CoV-2 main protease: Molecular docking and molecular dynamics investigations.** Biochem Biophys Rep 2022; 29:101225Omer SE, Ibrahim TM, Krar OA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128086
9. **Inhibitory efficacy of 2, 4-diacetylphloroglucinol against SARS-COV-2 proteins: in silico study.** Biologia (Bratisl) 2022:1-14Kankariya RA, Chaudhari AB, Dandi ND. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125499
10. **Engineered extracellular vesicles antagonize SARS-CoV-2 infection by inhibiting mTOR signaling.** Biomater Biosyst 2022; 6:100042Ibrahim AG, Ciullo A, Li C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187508
11. **Targeting the Ubiquitylation and ISGylation Machinery for the Treatment of COVID-19.** Biomolecules 2022; 12Vere G, Alam MR, Farrar S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204803
12. **Estimating the effect of non-pharmaceutical interventions to mitigate COVID-19 spread in Saudi Arabia.** BMC Med 2022; 20:51Bisanzio D, Reithinger R, Alqunaibet A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125108
13. **Changes in QTc interval after hydroxychloroquine therapy in patients with COVID-19 infection: a large, retrospective, multicentre cohort study.** BMJ Open 2022; 12:e051579El Kadri M, Al Falasi O, Ahmed R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140148
14. **In silico prediction and structure-based multitargeted molecular docking analysis of selected bioactive compounds against mucormycosis.** Bull Natl Res Cent 2022; 46:24Madanagopal P, Ramprabhu N, Jagadeesan R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125861
15. **Essential oil from Cymbopogon citratus exhibits "anti-aspergillosis" potential: in-silico molecular docking and in vitro studies.** Bull Natl Res Cent 2022; 46:23Sharma AD, Kaur I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125860
16. **Imatinib and methazolamide ameliorate COVID-19-induced metabolic complications via elevating ACE2 enzymatic activity and inhibiting viral entry.** Cell Metab. 2022; 34:424-440.e427Li Z, Peng M, Chen P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150639

17. **COVID-19 Infection in Children and Infants: Current Status on Therapies and Vaccines.** Children (Basel) 2022; 9Malcangi G, Inchingolo AD, Inchingolo AM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204969
18. **Identifying absorbable bioactive constituents of yupingfeng powder acting on COVID-19 through integration of UPLC-Q/TOF-MS and network pharmacology analysis.** Chin Herb Med 2022; Wang L, Du Z, Guan Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165529
19. **Repurposing Ayush-64 for COVID-19: A Computational Study Based on Network Pharmacology and Molecular Docking.** Comb. Chem. High Throughput Screen. 2022; Mahija KC, Nazeer KAA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35142268
20. **AYUSH-64 as an adjunct to standard care in mild to moderate COVID-19: An open-label randomized controlled trial in Chandigarh, India.** Complement. Ther. Med. 2022; 66:102814Singh H, Srivastava S, Yadav B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149205
21. **Advances in the development of therapeutic strategies against COVID-19 and perspectives in the drug design for emerging SARS-CoV-2 variants.** Comput Struct Biotechnol J 2022; 20:824-837Yin J, Li C, Ye C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126885
22. **Oral cinnarizine for the treatment of COVID-19-associated chilblain-like lesions: An old drug for a new disease?** Dermatol Ther 2022:e15365Mazzatenta C, Piccolo V, Argenziano G, Bassi A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35137498
23. **Drug repurposing against SARS-CoV-2 using computational approaches.** Drug Discov Today 2022; Kumar S, Kovalenko S, Bhardwaj S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151891
24. **Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics.** EBioMedicine 2022; 76:103856Quinn TM, Gaughan EE, Bruce A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152152
25. **A siRNA targets and inhibits a broad range of SARS-CoV-2 infections including Delta variant.** EMBO Mol Med 2022:e15298Chang YC, Yang CF, Chen YF *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138028
26. **The utility of remdesivir in SARS-CoV-2: A single tertiary care center experience from a developing country.** Explor Res Clin Soc Pharm 2022; 5:100107Malik MI, Zafar SAF, Malik M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156078
27. **COVID-19 and medicinal plants: A critical perspective.** Forensic Sci Int Anim Environ 2022; 2:100043Mathai RV, Jindal MK, Mitra JC, Sar SK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35187518
28. **Natural Products and Nanotechnology Against Coronavirus Disease 2019.** Front Chem 2022; 10:819969Zeng N, Chen X, Liu Z. http://www.ncbi.nlm.nih.gov/pubmed/?term=35223771
29. **The Fight Against Severe COVID-19: Can Parasitic Worms Contribute?** Front. Immunol. 2022; 13:849465Cai P, Mu Y, McManus DP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222441
30. **Changes in Serum Neutralizing Antibodies Levels During Convalescence of COVID-19 Patients.** Front Med (Lausanne) 2022; 9:829273Chen QQ, Gong L, Wu

XM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223924
31. **The Potential Bioactive Components of Nine TCM Prescriptions Against COVID-19 in Lung Cancer Were Explored Based on Network Pharmacology and Molecular Docking.** Front Med (Lausanne) 2021; 8:813119Du L, Xiao Y, Xu Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127768
32. **Potential of Bacillus subtilis Against SARS-CoV-2 - A Sustainable Drug Development Perspective.** Front. Microbiol. 2022; 13:718786Khodavirdipour A, Chamanrokh P, Alikhani MY, Alikhani MS. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222320
33. **Identification of Hypericin as a Candidate Repurposed Therapeutic Agent for COVID-19 and Its Potential Anti-SARS-CoV-2 Activity.** Front. Microbiol. 2022; 13:828984Matos ADR, Caetano BC, de Almeida Filho JL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222340
34. **Montelukast Inhibits Platelet Activation Induced by Plasma From COVID-19 Patients.** Front. Pharmacol. 2022; 13:784214Camera M, Canzano P, Brambilla M, Rovati GE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35211011
35. **Bulbus Fritillariae Cirrhosae as a Respiratory Medicine: Is There a Potential Drug in the Treatment of COVID-19?** Front. Pharmacol. 2021; 12:784335Quan Y, Li L, Yin Z *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126123
36. **Effectiveness of Antiviral Therapy in Highly-Transmissible Variants of SARS-CoV-2: A Modeling and Simulation Study.** Front. Pharmacol. 2022; 13:816429Schöning V, Kern C, Chaccour C, Hammann F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35222030
37. **Specific Interleukin-1 Inhibitors, Specific Interleukin-6 Inhibitors, and GM-CSF Blockades for COVID-19 (at the Edge of Sepsis): A Systematic Review.** Front. Pharmacol. 2021; 12:804250Wang Y, Zhu K, Dai R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126138
38. **Targeting TNF-α for COVID-19: Recent Advanced and Controversies.** Front Public Health 2022; 10:833967Guo Y, Hu K, Li Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223745
39. **Bibliometric Analysis of International Scientific Production on Pharmacologic Treatments for SARS-CoV-2/COVID-19 During 2020.** Front Public Health 2021; 9:778203Ruiz-Fresneda MA, Jiménez-Contreras E, Ruiz-Fresneda C, Ruiz-Pérez R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127621
40. **Oral famotidine versus placebo in non-hospitalised patients with COVID-19: a randomised, double-blind, data-intense, phase 2 clinical trial.** Gut 2022; Brennan CM, Nadella S, Zhao X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144974
41. **Remdesivir for pregnancy: A systematic review of antiviral therapy for COVID-19.** Heliyon 2022; 8:e08835Budi DS, Pratama NR, Wafa IA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128114
42. **Nanocurcumin formulation: a possible therapeutic agent for post COVID inflammatory syndrome.** Immunopharmacol. Immunotoxicol. 2022:1-6Kushwaha AD, Mishra KP, Singh M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130792
43. **Remarkable resolution of COVID-19-associated cerebral vasculitis with methylprednisolone.** Infect Dis Now 2022; Benguerfi S, Reizine F, Eugène F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172219
44. **Incidence and severity of COVID-19 infection post-vaccination: a survey among Indian doctors.** Infection 2022:1-7Parameswaran A, Apsingi S, Eachempati

KK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129788
45. **Efficacy of high-dose intravenous immunoglobulin in severe and critical COVID-19: A retrospective cohort study.** Int Immunopharmacol 2022; 106:108615Aggarwal R, Dewan A, Pandey A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35168081
46. **Clinical outcomes of monoclonal antibody therapy during a COVID-19 outbreak in a skilled nursing facility-Arizona, 2021.** J Am Geriatr Soc 2022; Dale AP, Hudson MJ, Armenta D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141874
47. **Effect of Siddha Medicine Poorna chandirodayam and Gorojanai mathirai among Covid 19 Patients Suffering From Hypoxia - A Case Series.** J. Ayurveda Integr. Med. 2022:100553J J, P S, M AJ, R SP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125807
48. **Efficacy and safety of Bufei Huoxue capsules in the management of convalescent patients with COVID-19 infection: A multicentre, double-blind, and randomised controlled trial.** J. Ethnopharmacol. 2022; 284:114830Chen Y, Liu C, Wang T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34763045
49. **Chemical profiling and unraveling of anti-COVID-19 biomarkers of red sage (Lantana camara L.) cultivars using UPLC-MS/MS coupled to chemometric analysis, in vitro study and molecular docking.** J. Ethnopharmacol. 2022; 291:115038Darwish RS, El-Banna AA, Ghareeb DA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151836
50. **Artemisia annua L. hot-water extracts show potent activity in vitro against Covid-19 variants including delta.** J. Ethnopharmacol. 2022; 284:114797Nair MS, Huang Y, Fidock DA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34737005
51. **Prolonged SARS-CoV-2 infection associated with long-term corticosteroid use in a patient with impaired B-cell immunity.** J Infect Chemother 2022; Morishita M, Suzuki M, Matsunaga A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35184976
52. **Infliximab treatment for refractory COVID-19-associated multisystem inflammatory syndrome in a Japanese child.** J Infect Chemother 2022; Yamaguchi Y, Takasawa K, Irabu H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125343
53. **Timing of convalescent plasma administration and 28-day mortality in COVID-19 pneumonia.** J. Investig. Med. 2022; González SE, Regairaz L, Salazar MR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135872
54. **Design & discovery of small molecule COVID-19 inhibitor via dual approach based virtual screening and molecular simulation studies.** J King Saud Univ Sci 2022; 34:101867Aljarba NH, Hasnain MS, Bin-Meferij MM, Alkahtani S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125836
55. **Identification of SARS-CoV-2 surface therapeutic targets and drugs using molecular modeling methods for inhibition of the virus entry.** J. Mol. Struct. 2022; 1256:132488Farhadian S, Heidari-Soureshjani E, Hashemi-Shahraki F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125515
56. **Use of Integrative Treatment Methods by Individuals With COVID-19.** J. Nurse Pract. 2022; Doğan N, Fışkın G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125979
57. **Colchicine in the management of Covid-19: With or lieu of evidence.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S127-s132Al-Kuraishy HM, Hussien NR, Al-Niemi MS, Al-Gareeb AI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130235

58. **Statins and Covid-19: The Neglected Front of bidirectional effects.** J. Pak. Med. Assoc. 2021; 71(Suppl 8):S133-s136Hussien NR, Al-Niemi MS, Al-Kuraishy HM, Al-Gareeb AI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35130236
59. **Possible therapeutic effects of boron citrate and oleoylethanolamide supplementation in patients with COVID-19: A pilot randomized, double-blind, clinical trial.** J. Trace Elem. Med. Biol. 2022; 71:126945Akbari N, Ostadrahimi A, Tutunchi H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35183882
60. **Natural products as a source of novel drugs for treating SARS-CoV2 infection.** J Tradit Complement Med 2022; 12:1-5Isidoro C, Chiung-Fang Chang A, Sheen LY. http://www.ncbi.nlm.nih.gov/pubmed/?term=35155135
61. **The "Invisible Enemy" SARS-CoV-2: Viral Spread and Drug Treatment.** Medicina (Kaunas) 2022; 58Tanase A, Manea A, Scurtu AD *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35208584
62. **Clinical and experimental bacteriophage studies: Recommendations for possible approaches for standing against SARS-CoV-2.** Microb. Pathog. 2022; 164:105442Shahin K, Zhang L, Mehraban MH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151823
63. **A Feasible Alternative Strategy Targeting Furin Disrupts SARS-CoV-2 Infection Cycle.** Microbiol Spectr 2022; 10:e0236421Mondal T, Shivange G, Habieb A, Tushir-Singh J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35138160
64. **Effect of pelargonium extract on SARS-CoV-2 is being studied.** MMW-Fortschritte der Medizin 2022; 164:66Dikken B.
65. **Systematic virtual screening in search of SARS CoV-2 inhibitors against spike glycoprotein: pharmacophore screening, molecular docking, ADMET analysis and MD simulations.** Mol. Divers. 2022:1-18Dhameliya TM, Nagar PR, Gajjar ND. http://www.ncbi.nlm.nih.gov/pubmed/?term=35132518
66. **Probing marine brown macroalgal phlorotannins as antiviral candidate against SARS-CoV-2: molecular docking and dynamics simulation approach.** Mol. Divers. 2022; Gunaseelan S, Arunkumar M, Aravind MK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152367
67. **Human inhalable antibody fragments neutralizing SARS-CoV-2 variants for COVID-19 therapy.** Mol. Ther. 2022; Minenkova O, Santapaola D, Milazzo FM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167974
68. **Isolation and In Silico Anti-SARS-CoV-2 Papain-Like Protease Potentialities of Two Rare 2-Phenoxychromone Derivatives from Artemisia spp.** Molecules 2022; 27Suleimen YM, Jose RA, Suleimen RN *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35209006
69. **Intravenous vitamin C use and risk of severity and mortality in COVID-19: A systematic review and meta-analysis.** Nutr. Clin. Pract. 2022; Ao G, Li J, Yuan Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148440
70. **[Sinus bradycardia as a potential side effect of favipiravir treatment].** Orv. Hetil. 2022; 163:267-270Szigeti J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152208
71. **Bamlanivimab and Etesevimab administered in an outpatient setting for SARS-CoV-2 infection.** Pathog Glob Health 2022:1-8Bavaro DF, Diella L, Solimando AG *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138229
72. **Antiviral drug discovery by targeting the SARS-CoV-2 polyprotein processing by inhibition of the main protease.** PeerJ 2022; 10:e12929Kandeel M, Kim J, Fayez M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186496

73. **The Effect of Phytocompounds of Medicinal Plants on Coronavirus (2019-NCOV) Infection.** Pharm Chem J 2022:1-5Zrig A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125554
74. **Anticoronaviral Activity of the Natural Phloroglucinols, Dryocrassin ABBA and Filixic Acid ABA from the Rhizome of Dryopteris crassirhizoma by Targeting the Main Protease of SARS-CoV-2.** Pharmaceutics 2022; 14Jin YH, Jeon S, Lee J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214108
75. **SAR and QSAR of COVID-19 Main Protease-Inhibitor Interactions of Recently X-ray Crystalized Complexes.** Proc Natl Acad Sci India Sect B Biol Sci 2022:1-11Ali HM, Soliman AG, Elfiky H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35194302
76. **In vitro testing and computational analysis of specific phytochemicals with antiviral activities considering their possible applications against COVID-19.** S Afr J Bot 2022; Ristovski JT, Matin MM, Kong R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165493
77. **Industry update: the latest developments in the field of therapeutic delivery, November 2021.** Ther. Deliv. 2022; 13:141-156Timmins P. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128933
78. **Ivermectin in COVID-19: The Case for a Moratorium on Prescriptions.** Ther Innov Regul Sci 2022; Molnar A, Lau S, Berges M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35147927
79. **Unlike Chloroquine, Mefloquine Inhibits SARS-CoV-2 Infection in Physiologically Relevant Cells.** Viruses 2022; 14Sacramento CQ, Fintelman-Rodrigues N, Dias SSG *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215969

Trials (11 articles)

1. **Molecular and pharmacological aspects of piperine as a potential molecule for disease prevention and management: evidence from clinical trials.** Beni Suef Univ J Basic Appl Sci 2022; 11:16Tripathi AK, Ray AK, Mishra SK. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127957
2. **Randomised controlled trial of intravenous nafamostat mesylate in COVID pneumonitis: Phase 1b/2a experimental study to investigate safety, Pharmacokinetics and Pharmacodynamics.** EBioMedicine 2022; 76:103856Quinn TM, Gaughan EE, Bruce A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35152152
3. **Clinical Utility of Elecsys Anti-SARS-CoV-2 S Assay in COVID-19 Vaccination: An Exploratory Analysis of the mRNA-1273 Phase 1 Trial.** Front. Immunol. 2021; 12:798117Jochum S, Kirste I, Hortsch S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126362
4. **Efficacy of high-dose intravenous immunoglobulin in severe and critical COVID-19: A retrospective cohort study.** Int Immunopharmacol 2022; 106:108615Aggarwal R, Dewan A, Pandey A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35168081
5. **Efficacy and safety of Bufei Huoxue capsules in the management of convalescent patients with COVID-19 infection: A multicentre, double-blind, and randomised controlled trial.** J. Ethnopharmacol. 2022; 284:114830Chen Y, Liu C, Wang T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34763045

6. **Treating the Unvaccinated COVID-19 Patient with Compassion.** J Patient Exp 2022; 9:23743735221077542Jacob E, Meah S. http://www.ncbi.nlm.nih.gov/pubmed/?term=35155754
7. **Possible therapeutic effects of boron citrate and oleoylethanolamide supplementation in patients with COVID-19: A pilot randomized, double-blind, clinical trial.** J. Trace Elem. Med. Biol. 2022; 71:126945Akbari N, Ostadrahimi A, Tutunchi H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35183882
8. **Immunogenicity induced by the use of alternative vaccine platforms to deal with vaccine shortages in a low- to middle-income country: Results of two randomized clinical trials.** Lancet Reg Health Am 2022; 9:100196Macchia A, Ferrante D, Bouzas MB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128512
9. **Status of Planned and Ongoing Paediatric Trials Investigating COVID-19 Vaccines: A Cross-Sectional Study of Paediatric Clinical Trials Planned in Agreed PIPs and/or Registered in Clinical Trial Databases.** Ther Innov Regul Sci 2022:1-9Christiansen H, Thirstrup S, Hallgreen CE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129826
10. **A phase 1/2 randomised placebo-controlled study of the COVID-19 vaccine mRNA-1273 in healthy Japanese adults: An interim report.** Vaccine 2022; 40:2044-2052Masuda T, Murakami K, Sugiura K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177302
11. **A randomized, double-blind phase I clinical trial of two recombinant dimeric RBD COVID-19 vaccine candidates: Safety, reactogenicity and immunogenicity.** Vaccine 2022; 40:2068-2075Pérez-Rodríguez S, de la Caridad Rodríguez-González M, Ochoa-Azze R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35164986

Vaccines (154 articles)

1. **Emerging Vaccine-Breakthrough SARS-CoV-2 Variants.** ACS Infect Dis 2022; 8:546-556Wang R, Chen J, Hozumi Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133792
2. **COVID-19 Vaccine Uptake and Its Impacts in a Cohort of Gay and Bisexual Men in Australia.** AIDS Behav. 2022:1-11Prestage G, Storer D, Jin F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35132480
3. **Racial and ethnic differences in vaccine hesitancy Among registered nurses in New Jersey: A cross-sectional survey.** Am. J. Infect. Control 2022; Grafova IB, Pogorzelska-Maziarz M, Johansen ML *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158011
4. **Survey of current transplant center practices regarding COVID-19 vaccine mandates in the United States.** Am J Transplant 2022; Hippen BE, Axelrod DA, Maher K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35143100
5. **Waning humoral immune response to the BNT162b2 vaccine in heart transplant recipients over 6 months.** Am J Transplant 2022; Peled Y, Ram E, Mandelboim M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150072
6. **A COVID-19 Vaccinated Patient with Phosphoinositide 3-Kinase Disease with Mild Illness Following SARS-CoV-2 Infection.** Ann. Allergy. Asthma. Immunol. 2022; Sarkaria S, Kalkat A, Hostoffer R. http://www.ncbi.nlm.nih.gov/pubmed/?term=35167905

7. **Multisystem inflammatory syndrome with erythema multiforme-like rash in an adult after mRNA COVID-19 vaccination.** Ann. Dermatol. Venereol. 2022; Lefeuvre M, Kerneuzet I, Darrieux L, Safa G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35248401
8. **Attitudes toward COVID-19 vaccination in the nursing profession: validation of the Italian version of the VAX scale and descriptive study.** Ann. Ig. 2022; Tomietto M, Comparcini D, Simonetti V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142334
9. **Postvaccination antibody titres predict protection against COVID-19 in patients with autoimmune diseases: survival analysis in a prospective cohort.** Ann. Rheum. Dis. 2022; Ahmed S, Mehta P, Paul A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135831
10. **Distinct impact of DMARD combination and monotherapy in immunogenicity of an inactivated SARS-CoV-2 vaccine in rheumatoid arthritis.** Ann. Rheum. Dis. 2022; Medeiros-Ribeiro AC, Bonfiglioli KR, Domiciano DS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135832
11. **COVID-19 Vaccines: An Overview of Different Platforms.** Bioengineering (Basel) 2022; 9Kudlay D, Svistunov A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35200425
12. **Hospital acquired COVID-19 infections amongst patients before the rollout of COVID-19 vaccinations, a scoping review.** BMC Infect. Dis. 2022; 22:140Ngandu NK, Mmotsa TM, Dassaye R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144556
13. **Third cranial nerve palsy in an 88-year-old man after SARS-CoV-2 mRNA vaccination: change of injection site and type of vaccine resulted in an uneventful second dose with humoral immune response.** BMJ Case Rep. 2022; 15Cicalese MP, Ferrua F, Barzaghi F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135792
14. **Assessing vaccine hesitancy in Arab countries in the Middle East and North Africa (MENA) region: a scoping review protocol.** BMJ Open 2022; 12:e045348Galal B, Lazieh S, Al-Ali S, Khoshnood K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35149559
15. **Respiratory mucosal delivery of next-generation COVID-19 vaccine provides robust protection against both ancestral and variant strains of SARS-CoV-2.** Cell 2022; 185:896-915.e819Afkhami S, D'Agostino MR, Zhang A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35180381
16. **Development of a T cell-based immunodiagnostic system to effectively distinguish SARS-CoV-2 infection and COVID-19 vaccination status.** Cell Host Microbe 2022; 30:388-399.e383Yu ED, Wang E, Garrigan E *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35172129
17. **SARS-CoV-2 Omicron Spike recognition by plasma from individuals receiving BNT162b2 mRNA vaccination with a 16-week interval between doses.** Cell Rep. 2022; 38:110429Chatterjee D, Tauzin A, Marchitto L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35216664
18. **Sensitivity theorems of a model of multiple imperfect vaccines for COVID-19.** Chaos Solitons Fractals 2022; 156:111844Aguilar-Canto FJ, de León UA, Avila-Vales E. http://www.ncbi.nlm.nih.gov/pubmed/?term=35125676
19. **Modeling and optimal control of mutated COVID-19 (Delta strain) with imperfect vaccination.** Chaos Solitons Fractals 2022; 156:111825Li T, Guo Y.

http://www.ncbi.nlm.nih.gov/pubmed/?term=35125677
20. **COVID-19 Infection in Children and Infants: Current Status on Therapies and Vaccines.** Children (Basel) 2022; 9Malcangi G, Inchingolo AD, Inchingolo AM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204969
21. **COVID-19 vaccination induced myopericarditis: an imager's perspective.** CJC Open 2022; Bews H, Bryson A, Bortoluzzi T *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128370
22. **The role of anti-platelet factor 4 antibodies and platelet activation tests in patients with vaccine-induced immune thrombotic thrombocytopenia: Brief report on a comparison of the laboratory diagnosis and literature review.** Clin Chim Acta 2022; 529:42-45Hsiao PJ, Wu KL, Chen YC *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167842
23. **Implications of social media misinformation on COVID-19 vaccine confidence among pregnant women in Africa.** Clin Epidemiol Glob Health 2022; 14:100981Ennab F, Babar MS, Khan AR *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35187292
24. **Incidence and severity of SARS-CoV-2 virus post COVID-19 vaccination: A cross-sectional study in India.** Clin Epidemiol Glob Health 2022; 14:100983Selvaraj P, Muthu S, Jeyaraman N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155844
25. **COVID-19 vaccine acceptance and associated factors among women attending antenatal and postnatal cares in Central Gondar Zone public hospitals, Northwest Ethiopia.** Clin Epidemiol Glob Health 2022; 14:100993Taye EB, Taye ZW, Muche HA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155846
26. **The Effectiveness of the Two-Dose BNT162b2 Vaccine: Analysis of Real-World Data.** Clin Infect Dis 2022; 74:472-478Chodick G, Tene L, Rotem RS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=33999127
27. **Inequities in COVID-19 vaccination rates among adolescents in Massachusetts: a cross-sectional study.** Clin Infect Dis 2022; Gao DX, Fisher LD, Miller DR, Geller AC. http://www.ncbi.nlm.nih.gov/pubmed/?term=35152282
28. **Evaluating Vaccine Efficacy Against Severe Acute Respiratory Syndrome Coronavirus 2 Infection.** Clin Infect Dis 2022; 74:544-552Lin DY, Gu Y, Zeng D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34260716
29. **Vaccination and COVID-19 Dynamics in Dialysis Patients.** Clin J Am Soc Nephrol 2022; 17:395-402El Karoui K, Hourmant M, Ayav C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144970
30. **Seroresponse to SARS-CoV-2 Vaccines among Maintenance Dialysis Patients over 6 Months.** Clin J Am Soc Nephrol 2022; 17:403-413Hsu CM, Weiner DE, Manley HJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35144972
31. **Growing Understanding of the Clinical and Serologic Effects of COVID-19 Vaccines in Patients Undergoing Long-Term Dialysis.** Clin J Am Soc Nephrol 2022; 17:335-337Hundemer GL, Sood MM. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144971
32. **External validation of the PRIORITY model in predicting COVID-19 critical illness in vaccinated and unvaccinated patients.** Clin Microbiol Infect 2022; Ong SWX, Tham SM, Koh LP *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150879

33. **Vaccine effectiveness of ChAdOx1 nCoV-19 against COVID-19 in a socially vulnerable community in Rio de Janeiro, Brazil: a test-negative design study.** Clin Microbiol Infect 2022; Ranzani OT, Silva AAB, Peres IT *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150884
34. **COVID-19 Vaccine Administration and Hesitation Among Psychiatric Emergency Services Patients.** Community Ment. Health J. 2022:1-4Mitchell L, Fuehrlein B, Wilkosz M. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150353
35. **Preliminary evidence that brief exposure to vaccination-related internet memes may influence intentions to vaccinate against COVID-19.** Comput. Human Behav. 2022; 131:107218Geniole SN, Bird BM, Witzel A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125639
36. **COVID-19 vaccines: Considering sex differences in efficacy and safety.** Contemp Clin Trials 2022; 115:106700Jensen A, Stromme M, Moyassari S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35149232
37. **Metabolic Activity Assessment by 18F-Fluorodeoxyglucose Positron Emission Tomography in Patients after COVID-19 Vaccination.** Curr. Oncol. 2022; 29:989-1000Shalata W, Levin D, Fridman J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35200583
38. **Cytologic and histologic features of COVID-19 post-vaccination lymphadenopathy.** Cytojournal 2021; 18:34García-Molina F, Cegarra-Navarro MF, Andrade-Gonzales RJ, Martinez-Díaz F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126612
39. **Vasculitis in the setting of COVID-19: From the disease to the vaccine. Report of a case of cutaneous vasculitis after immunization.** Dermatol Ther 2022:e15367Criado PR, Giordani LP, Yoshimoto TA *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141989
40. **Multisystem Inflammatory Syndrome in Adult after First Dose of mRNA Vaccine.** Emerg Infect Dis 2022; 28Miyazato Y, Yamamoto K, Yamada G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148495
41. **Effectiveness of inactivated SARS-CoV-2 vaccine (CoronaVac) on intensive care unit survival.** Epidemiol Infect 2022; 150:e35Sevinc SA, Metin S, Basi NB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135644
42. **Hypersentivity reactions to COVID-19 vaccines: a case of Eosinophilic pneumonia following Sinovac/CoronaVac vaccination.** Eur. Ann. Allergy Clin. Immunol. 2022; Ozturk AB, Çağlayan B, Kapmaz M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35156356
43. **Survival and risk of COVID-19 after SARS-COV-2 vaccination in a series of 2391 cancer patients.** Eur. J. Cancer 2022; 165:174-183Heudel P, Favier B, Solodky ML *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35245864
44. **Immunogenicity of COVID-19 mRNA vaccines in immunocompromised patients: a systematic review and meta-analysis.** Eur. J. Med. Res. 2022; 27:23Mehrabi Nejad MM, Moosaie F, Dehghanbanadaki H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151362
45. **Analyzing the Effect of Vaccination Over COVID Cases and Deaths in Asian Countries Using Machine Learning Models.** Front Cell Infect Microbiol 2021; 11:806265Rustagi V, Bajaj M, Tanvi *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35223534
46. **CD4+ T Cell Immune Specificity Changes After Vaccination in Healthy And COVID-19 Convalescent Subjects.** Front. Immunol. 2021; 12:755891Esparcia-

Pinedo L, Martínez-Fleta P, Ropero N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126347

47. **mRNA Vaccine: How to Meet the Challenge of SARS-CoV-2.** Front. Immunol. 2021; 12:821538Jin Y, Hou C, Li Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126377
48. **Clinical Utility of Elecsys Anti-SARS-CoV-2 S Assay in COVID-19 Vaccination: An Exploratory Analysis of the mRNA-1273 Phase 1 Trial.** Front. Immunol. 2021; 12:798117Jochum S, Kirste I, Hortsch S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35126362
49. **Influence of Aerosol Delivered BCG Vaccination on Immunological and Disease Parameters Following SARS-CoV-2 Challenge in Rhesus Macaques.** Front. Immunol. 2021; 12:801799White AD, Sibley L, Sarfas C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222355
50. **Response to Vaccination Against SARS-CoV-2 in Patients With Antineutrophil Cytoplasmic Antibody-Associated Vasculitis With Renal Involvement.** Front Med (Lausanne) 2021; 8:817845Carruthers JE, Wells J, Gupta A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127773
51. **Virological and Serological Characterisation of SARS-CoV-2 Infections Diagnosed After mRNA BNT162b2 Vaccination Between December 2020 and March 2021.** Front Med (Lausanne) 2021; 8:815870Colavita F, Meschi S, Gruber CEM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127770
52. **Cellular Responses to Membrane and Nucleocapsid Viral Proteins Are Also Boosted After SARS-CoV-2 Spike mRNA Vaccination in Individuals With Either Past Infection or Cross-Reactivity.** Front. Microbiol. 2021; 12:812729Vallejo A, Martín-Hondarza A, Gómez S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35222312
53. **Government Communication, Perceptions of COVID-19, and Vaccination Intention: A Multi-Group Comparison in China.** Front. Psychol. 2021; 12:783374Su L, Du J, Du Z. http://www.ncbi.nlm.nih.gov/pubmed/?term=35126238
54. **Belonging to Socially Excluded Groups as a Predictor of Vaccine Hesitancy and Rejection.** Front Public Health 2021; 9:823795Eshel Y, Kimhi S, Marciano H, Adini B. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127631
55. **A Global Survey of COVID-19 Vaccine Acceptance Among Healthcare Workers.** Front Public Health 2021; 9:794673Noushad M, Rastam S, Nassani MZ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211453
56. **Impact of Refutational Two-Sided Messages on Attitudes Toward Novel Vaccines Against Emerging Infectious Diseases During the COVID-19 Pandemic.** Front Public Health 2022; 10:775486Okuno H, Arai S, Suzuki M, Kikkawa T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35223726
57. **COVID-19 Vaccination Acceptance Among Chinese Population and Its Implications for the Pandemic: A National Cross-Sectional Study.** Front Public Health 2022; 10:796467Wu J, Ma M, Miao Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35211440
58. **BNT162b2 mRNA COVID-19 (Comirnaty) Vaccine Effectiveness in Elderly Patients Who Live in Long-Term Care Facilities: A Nationwide Cohort.** Gerontology 2022:1-8Goldin S, Adler L, Azuri J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35134810
59. **A naturally hypersensitive porcine model may help understand the mechanism of COVID-19 mRNA vaccine-induced rare (pseudo) allergic**

reactions: complement activation as a possible contributing factor. Geroscience 2022:1-22Dézsi L, Mészáros T, Kozma G *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35146583
60. **Vaccine nationalism will persist: global public goods need effective engagement of global citizens.** Global Health 2022; 18:14Peacock SJ. http://www.ncbi.nlm.nih.gov/pubmed/?term=35151344
61. **Lack of inflammatory bowel disease flare-up following two-dose BNT162b2 vaccine: a population-based cohort study.** Gut 2022; Li X, Tong X, Wong ICK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135842
62. **Gut microbiota composition is associated with SARS-CoV-2 vaccine immunogenicity and adverse events.** Gut 2022; Ng SC, Peng Y, Zhang L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35140064
63. **Covid 19 Vaccines and the Australian health care state.** Health Policy Technol 2022:100607Gillespie JA, Buchanan J, Schneider CH, Paolucci F. http://www.ncbi.nlm.nih.gov/pubmed/?term=35190790
64. **COVID-19 vaccination program in South Korea: A long journey toward a new normal.** Health Policy Technol 2022:100601Kwon SL, Oh J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127400
65. **Protection Motivation Theory and Intentions to Receive the COVID-19 Vaccine.** Health Promot Pract 2022:15248399211070807Kowalski RM, Deas N, Britt N *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130748
66. **Facilitators and Barriers of COVID-19 Vaccine Promotion on Social Media in the United States: A Systematic Review.** Healthcare (Basel) 2022; 10Lieneck C, Heinemann K, Patel J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206935
67. **Knowledge and willingness to receive a COVID-19 vaccine: a survey from Anhui Province, China.** Hum Vaccin Immunother 2022:1-8Li H, Cheng L, Tao J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130110
68. **Resolving sex and gender bias in COVID-19 vaccines R&D and beyond.** Hum Vaccin Immunother 2022:1-3Vijayasingham L, Heidari S, Munro J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35143380
69. **Zoster meningitis in an immunocompetent young patient post first dose of BNT162b2 mRNA COVID-19 vaccine, a case report.** IDCases 2022; 27:e01452Kerr C, O'Neill S, Szucs A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35186672
70. **Registry Systems for COVID-19 Vaccines and Rate of Acceptability for Vaccination Before and After Availability of Vaccines in 12 Countries: A Narrative Review.** Infect Dis Rep 2022; 14:121-133Papagiannis D, Malli F, Gourgoulianis KI. http://www.ncbi.nlm.nih.gov/pubmed/?term=35200443
71. **Incidence and severity of COVID-19 infection post-vaccination: a survey among Indian doctors.** Infection 2022:1-7Parameswaran A, Apsingi S, Eachempati KK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129788
72. **Risk Perception Influence on Vaccination Program on COVID-19 in Chile: A Mathematical Model.** Int J Environ Res Public Health 2022; 19Gutiérrez-Jara JP, Saracini C. http://www.ncbi.nlm.nih.gov/pubmed/?term=35206210
73. **Social Attitude to COVID-19 and Influenza Vaccinations after the Influenza Vaccination Season and between the Second and Third COVID-19 Wave in Poland, Lithuania, and Ukraine.** Int J Environ Res Public Health 2022; 19Zaprutko T, Kremin Y, Michalak M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35206232

74. **The impact of COVID-19 vaccine on sperm quality.** Int J Gynaecol Obstet 2022; Barda S, Laskov I, Grisaru D *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128663
75. **Incidence of SARS-CoV-2 infection among previously infected or vaccinated employees.** Int J Infect Dis 2022; 118:21-23Kojima N, Roshani A, Brobeck M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151852
76. **Independent risk factors of COVID-19 pneumonia in vaccinated Mexican adults.** Int J Infect Dis 2022; Murillo-Zamora E, Sánchez-Piña RA, Trujillo X *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35167967
77. **Cutaneous Small-vessel Vasculitis after ChAdOx1 COVID-19 Vaccination: A Report of Five Cases.** Int. J. Low. Extrem. Wounds 2022:15347346221078734Uh JA, Lee SK, Kim JH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130095
78. **A Case of New-onset Type 1 Diabetes after Covid-19 mRNA Vaccination.** Intern Med 2022; Yano M, Morioka T, Natsuki Y *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135929
79. **Comparative Effectiveness of mRNA-based BNT162b2 Vaccine versus Adenovirus Vector-Based Ad26.COV2.S Vaccine for the Prevention of COVID-19 among Dialysis Patients.** J Am Soc Nephrol 2022; Brunelli SM, Sibbel S, Karpinski S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135894
80. **Effect of an exercise bout before the booster dose of an inactivated SARS-CoV-2 vaccine on immunogenicity in immunocompromised patients.** J Appl Physiol (1985) 2022; 132:682-688Gualano B, Saad CGS, Sieczkowska SM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35142560
81. **Self-affirmation increases acceptance of information on COVID-19 vaccines and promotes vaccination intention.** J. Behav. Med. 2022; Li S, Xia Y, Zhao W *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35133549
82. **Should Patients Who Refuse COVID Vaccination Be Denied Transplantation Eligibility?** J. Card. Fail. 2022; Parent B, Yang YT, Caplan A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150871
83. **COVID-19, Vaccines, and Thrombotic Events: A Narrative Review.** J Clin Med 2022; 11Abrignani MG, Murrone A, De Luca L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207220
84. **Immune Response of Adult Sickle Cell Disease Patients after COVID-19 Vaccination: The Experience of a Greek Center.** J Clin Med 2022; 11Varelas C, Gavriilaki E, Sakellari I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207208
85. **Hypertensive Crisis Following COVID-19 Vaccination.** J. Clin. Pharmacol. 2022; Khani E, Entezari-Maleki T. http://www.ncbi.nlm.nih.gov/pubmed/?term=35147213
86. **Neurological Immune-Related Adverse Events After COVID-19 Vaccination: A Systematic Review.** J. Clin. Pharmacol. 2022; 62:291-303Shafiq A, Salameh MA, Laswi I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34921562
87. **Vaccine Hesitancy and Fear of COVID-19 Among Italian Medical Students: A Cross-Sectional Study.** J. Community Health 2022; Lo Moro G, Cugudda E, Bert F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35138490
88. **Late inflammatory reactions in patients with soft tissue fillers after SARS-CoV-2 infection and vaccination: A systematic review of the literature.** J Cosmet Dermatol 2022; Bachour Y, Bekkenk MW, Rustemeyer T, Kadouch JA. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150192
89. **Shoulder Injury Related to Vaccine Administration: Diagnosis and Management.** J Hand Surg Glob Online 2022; Wood CT, Ilyas AM.

http://www.ncbi.nlm.nih.gov/pubmed/?term=35128359
90. **Distinct Homologous and Variant-Specific Memory B-Cell and Antibody Response Over Time after SARS-CoV-2 mRNA Vaccination.** J Infect Dis 2022; Haralambieva IH, Monroe JM, Ovsyannikova IG *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35137144
91. **No Effect of Inactivated SARS-CoV-2 Vaccination on in vitro Fertilization Outcomes: A Propensity Score-Matched Study.** J Inflamm Res 2022; 15:839-849Huang J, Xia L, Lin J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177919
92. **COVID-19 vaccines: a look at the ethics of the clinical research involving children.** J. Med. Ethics 2022; Cabiedes-Miragaya L, Galende-Domínguez I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35144979
93. **COVID-19 Vaccine Tweets After Vaccine Rollout: Sentiment-Based Topic Modeling.** J Med Internet Res 2022; 24:e31726Huangfu L, Mo Y, Zhang P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34783665
94. **Efficacy of antibody response following the vaccination of SARS-CoV-2 infected and noninfected healthcare workers by two-dose inactive vaccine against COVID-19.** J Med Virol 2022; Dundar B, Karahangil K, Elgormus CS, Topsakal HNH. http://www.ncbi.nlm.nih.gov/pubmed/?term=35128700
95. **Designing AbhiSCoVac - A single potential vaccine for all 'corona culprits': Immunoinformatics and immune simulation approaches.** J. Mol. Liq. 2022; 351:118633Choudhury A, Sen Gupta PS, Panda SK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125571
96. **Clinical Characteristics and Outcomes of COVID-19 Hospitalized Patients: A Comparison between Complete mRNA Vaccination Profile and Natural Immunity.** J Pers Med 2022; 12Marincu I, Citu C, Bratosin F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35207747
97. **Are COVID-19 Vaccine Boosters Needed? The Science behind Boosters.** J. Virol. 2022; 96:e0197321Burckhardt RM, Dennehy JJ, Poon LLM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=34817198
98. **Pityriasis Rosea-like Rash after mRNA COVID-19 Vaccination: A Case Report and Review of the Literature.** JAAD Int 2022; Buckley JE, Landis LN, Rapini RP. http://www.ncbi.nlm.nih.gov/pubmed/?term=35156062
99. **Livedo reticularis on bilateral knees after the third dose of messenger RNA-1273 SARS-CoV-2 vaccine.** JAAD Int 2022; 7:52-53Mintz MA, Jariwala N, Fang V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169755
100. **Immunogenicity induced by the use of alternative vaccine platforms to deal with vaccine shortages in a low- to middle-income country: Results of two randomized clinical trials.** Lancet Reg Health Am 2022; 9:100196Macchia A, Ferrante D, Bouzas MB *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128512
101. **County-level vaccination coverage and rates of COVID-19 cases and deaths in the United States: An ecological analysis.** Lancet Reg Health Am 2022; 9:100191McLaughlin JM, Khan F, Pugh S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128511
102. **Vaccination against COVID-19 decreases hospitalizations in patients with cirrhosis: Results from a nationwide analysis.** Liver Int 2022; 42:942-944Díaz LA, Fuentes-López E, Lazo M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35129285

103. **SARS-CoV-2 Variants Associated with Vaccine Breakthrough in the Delaware Valley through Summer 2021.** mBio 2022:e0378821Marques AD, Sherrill-Mix S, Everett JK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35130727
104. **Post-adenoviral-based vaccines Guillain-Barre Syndrome: A proposed mechanism.** Med. Hypotheses 2022; 160:110792Kadkhoda K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35185263
105. **Herpes zoster following COVID-19 vaccination in an immunocompetent and vaccinated for herpes zoster adult: A two-vaccine related event?** Metabol Open 2022; 13:100171Vallianou NG, Tsilingiris D, Karampela I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35169692
106. **Fighting the pandemic: Corona vaccination of pregnant women also immunizes the unborn.** MMW-Fortschritte der Medizin 2022; 164:27Reinhardt D.
107. **NK cell frequencies, function and correlates to vaccine outcome in BNT162b2 mRNA anti-SARS-CoV-2 vaccinated healthy and immunocompromised individuals.** Mol. Med. 2022; 28:20Cuapio A, Boulouis C, Filipovic I *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35135470
108. **Elicitation of potent SARS-CoV-2 neutralizing antibody responses through immunization with a versatile adenovirus-inspired multimerization platform.** Mol. Ther. 2022; Chevillard C, Amen A, Besson S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35151843
109. **Safety and humoral response rate of inactivated and mRNA vaccines against SARS-CoV-2 in patients with Multiple Sclerosis.** Mult Scler Relat Disord 2022; 59:103690Ciampi E, Uribe-San-Martin R, Soler B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35182880
110. **Humoral and cellular immunity in convalescent and vaccinated COVID-19 people with multiple sclerosis: Effects of disease modifying therapies.** Mult Scler Relat Disord 2022; 59:103682Habek M, Željko C, Savić Mlakar A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35158189
111. **A comparison of COVID-19 vaccination status among pregnant Israeli Jewish and Arab women and psychological distress among the Arab women.** Nurs Health Sci 2022; Taubman-Ben-Ari O, Weiss E, Abu-Sharkia S, Khalaf E. http://www.ncbi.nlm.nih.gov/pubmed/?term=35150201
112. **Varicella Zoster Reactivation Causing Acute Retinal Necrosis following mRNA COVID-19 Vaccination in a Young Immunocompetent Man.** Ocul Immunol Inflamm 2022:1-4Lo T, Varma S, Shaw A, Michalova K. http://www.ncbi.nlm.nih.gov/pubmed/?term=35133925
113. **Points to consider for COVID-19 vaccine quality control and national lot release in Republic of Korea: focus on a viral vector platform.** Osong Public Health Res Perspect 2022; 13:4-14Ju JH, Lee N, Kim SH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35255674
114. **Examining the direct and indirect effects of trust in motivating COVID-19 vaccine uptake.** Patient Educ. Couns. 2022; Liu S, Chu H. http://www.ncbi.nlm.nih.gov/pubmed/?term=35181177
115. **COVID-19 vaccination in adolescents and young adults with type 1 diabetes: Glycemic control and side effects.** Pediatr. Diabetes 2022; Piccini B, Pessina B, Pezzoli F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35150596
116. **Severe COVID pneumonia and undetectable B cells after vaccination in patients previously treated with rituximab: a case series.** Postgrad. Med.

2022:1-5Sakano T, Bittner EA, Chang MG. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129061

117. **Covid-19 vaccine acceptance and associated factors among pregnant women in Pennsylvania 2020.** Prev Med Rep 2022; 26:101713Sznajder KK, Kjerulff KH, Wang M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35127367
118. **Surveillance of COVID-19 Vaccination in Nursing Homes, United States, December 2020-July 2021.** Public Health Rep. 2022; 137:239-243Geller AI, Budnitz DS, Dubendris H *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125027
119. **Humoral and Cellular Response to COVID-19 Vaccination in Patients with Autoimmune Inflammatory Rheumatic Diseases under Real-life Conditions.** Rheumatology (Oxford) 2022; Krasselt M, Wagner U, Nguyen P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35143648
120. **INSIGHTS INTO THE BIOLOGICAL IMPACT OF COVID-19 AND ITS VACCINES ON HUMAN HEALTH.** Saudi J. Biol. Sci. 2022; Dhwaj Ashwlayan V, Antlash C, Imran M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35185356
121. **A Rasch analysis assessing the reliability and validity of the Arizona CoVHORT COVID-19 vaccine questionnaire.** SSM Popul Health 2022; 17:101040Habila MA, Valencia DY, Khan SM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35155727
122. **Exploring vaccine hesitancy determinants during the COVID-19 pandemic: An in-depth interview study.** SSM Qual Res Health 2022; 2:100045Morales GI, Lee S, Bradford A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128519
123. **COVID-19 vaccine hesitancy: Pakistan struggles to vaccinate its way out of the pandemic.** Ther Adv Vaccines Immunother 2022; 10:25151355221077658Mehmood Q, Ullah I, Hasan MM *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35174312
124. **Status of Planned and Ongoing Paediatric Trials Investigating COVID-19 Vaccines: A Cross-Sectional Study of Paediatric Clinical Trials Planned in Agreed PIPs and/or Registered in Clinical Trial Databases.** Ther Innov Regul Sci 2022:1-9Christiansen H, Thirstrup S, Hallgreen CE. http://www.ncbi.nlm.nih.gov/pubmed/?term=35129826
125. **Impact of prior vaccination with Covishield(TM) and Covaxin® on mortality among symptomatic COVID-19 patients during the second wave of the pandemic in South India during April and May 2021: a cohort study.** Vaccine 2022; 40:2107-2113Abhilash KPP, Mathiyalagan P, Krishnaraj VRK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35168837
126. **Healthcare professional and professional stakeholders' perspectives on vaccine mandates in Switzerland: A mixed-methods study.** Vaccine 2022; Dietrich LG, Lüthy A, Lucas Ramanathan P *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35164988
127. **How frequent are acute reactions to COVID-19 vaccination and who is at risk?** Vaccine 2022; 40:1904-1912Dreyer N, Reynolds MW, Albert L *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177299
128. **Conditionality of COVID-19 vaccine acceptance in European countries.** Vaccine 2022; 40:1191-1197Heyerdahl LW, Vray M, Lana B *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125225
129. **Impact of the COVID-19 pandemic on routine immunization coverage in children under 2 years old in Ontario, Canada: A retrospective cohort study.**

Vaccine 2022; 40:1790-1798Ji C, Piché-Renaud PP, Apajee J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35164987

130. **A phase 1/2 randomised placebo-controlled study of the COVID-19 vaccine mRNA-1273 in healthy Japanese adults: An interim report.** Vaccine 2022; 40:2044-2052Masuda T, Murakami K, Sugiura K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35177302
131. **A randomized, double-blind phase I clinical trial of two recombinant dimeric RBD COVID-19 vaccine candidates: Safety, reactogenicity and immunogenicity.** Vaccine 2022; 40:2068-2075Pérez-Rodríguez S, de la Caridad Rodríguez-González M, Ochoa-Azze R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35164986
132. **COVID-19 vaccination intention and behavior in a large, diverse, U.S. refugee population.** Vaccine 2022; 40:1231-1237Shaw J, Anderson KB, Fabi RE *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125223
133. **"On the last day of the last month, I will go": A qualitative exploration of COVID-19 vaccine confidence among Ivoirian adults.** Vaccine 2022; 40:2028-2035Tibbels NJ, Dosso A, Fordham C *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35181151
134. **Medical factors associated with caregiver intention to vaccinate their children against COVID-19.** Vaccine X 2022; 10:100144Phan TT, Enlow PT, Wong MK *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35128377
135. **Impact of Local and Demographic Factors on Early COVID-19 Vaccine Hesitancy among Health Care Workers in New York City Public Hospitals.** Vaccines (Basel) 2022; 10Afzal A, Shariff MA, Perez-Gutierrez V *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214729
136. **Determinants of COVID-19 Vaccination Hesitancy among Romanian Pregnant Women.** Vaccines (Basel) 2022; 10Citu IM, Citu C, Gorun F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214732
137. **Factors Affecting Young Adults' Decision Making to Undergo COVID-19 Vaccination: A Patient Preference Study.** Vaccines (Basel) 2022; 10Donin G, Erfányuková A, Ivlev I. http://www.ncbi.nlm.nih.gov/pubmed/?term=35214722
138. **Factors Associated with COVID-19 Vaccine Hesitancy after Implementation of a Mass Vaccination Campaign.** Vaccines (Basel) 2022; 10Gomes IA, Soares P, Rocha JV *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214739
139. **Modelling SARS-CoV-2 Binding Antibody Waning 8 Months after BNT162b2 Vaccination.** Vaccines (Basel) 2022; 10Hatzakis A, Karabinis A, Roussos S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214743
140. **Approach of Pregnant Women from Poland and the Ukraine to COVID-19 Vaccination-The Role of Medical Consultation.** Vaccines (Basel) 2022; 10Januszek S, Siwiec N, Januszek R *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214718
141. **Autochthonous Outbreak of SARS-CoV-2 Omicron Variant in Booster-Vaccinated (3 Doses) Healthcare Workers in Southern Italy: Just the Tip of the Iceberg?** Vaccines (Basel) 2022; 10Loconsole D, Bisceglia L, Centrone F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214741
142. **Effectiveness of COVID-19 Vaccines against Delta Variant (B.1.617.2): A Meta-Analysis.** Vaccines (Basel) 2022; 10Mahumud RA, Ali MA, Kundu S *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214737

143. **Study on the Refusal of Vaccination against COVID-19 in Romania.** Vaccines (Basel) 2022; 10Mărcău FC, Purec S, Niculescu G. http://www.ncbi.nlm.nih.gov/pubmed/?term=35214719
144. **COVID-19: Why Do People Refuse Vaccination? The Role of Social Identities and Conspiracy Beliefs: Evidence from Nationwide Samples of Polish Adults.** Vaccines (Basel) 2022; 10Marchlewska M, Hamer K, Baran M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214726
145. **Metrics from Wearable Devices as Candidate Predictors of Antibody Response Following Vaccination against COVID-19: Data from the Second TemPredict Study.** Vaccines (Basel) 2022; 10Mason AE, Kasl P, Hartogensis W *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214723
146. **The Landscape of COVID-19 Vaccination in Zimbabwe: A Narrative Review and Analysis of the Strengths, Weaknesses, Opportunities and Threats of the Programme.** Vaccines (Basel) 2022; 10Murewanhema G, Musuka G, Denhere K *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214720
147. **Post-Vaccination SARS-CoV-2 Infections among Health Workers at the University Hospital of Verona, Italy: A Retrospective Cohort Survey.** Vaccines (Basel) 2022; 10Porru S, Spiteri G, Monaco MGL *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35214733
148. **Propensity-Score-Matched Evaluation of Adverse Events Affecting Recovery after COVID-19 Vaccination: On Adenovirus and mRNA Vaccines.** Vaccines (Basel) 2022; 10Son CS, Jin SH, Kang WS. http://www.ncbi.nlm.nih.gov/pubmed/?term=35214742
149. **Awareness, knowledge and acceptance of COVID-19 vaccine among the people of West Bengal, India: A web-based survey.** Vacunas 2022; Samanta S, Banerjee J, Kar SS *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35125985
150. **A comprehensive review on COVID-19 vaccines: development, effectiveness, adverse effects, distribution and challenges.** Virusdisease 2022:1-22Rahman MM, Masum MHU, Wajed S, Talukder A. http://www.ncbi.nlm.nih.gov/pubmed/?term=35127995
151. **Fighting Fire with Fire: Immunogenicity of Viral Vectored Vaccines against COVID-19.** Viruses 2022; 14Chang A, Yu J. http://www.ncbi.nlm.nih.gov/pubmed/?term=35215973
152. **T Cell Response following Anti-COVID-19 BNT162b2 Vaccination Is Maintained against the SARS-CoV-2 Omicron B.1.1.529 Variant of Concern.** Viruses 2022; 14Cohen H, Rotem S, Elia U *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215940
153. **Antibody Response to SARS-CoV-2 Infection and Vaccination in COVID-19-naïve and Experienced Individuals.** Viruses 2022; 14Uprichard SL, O'Brien A, Evdokimova M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35215962
154. **SARS-CoV-2 variants and vaccination.** Zoonoses (Burlingt) 2022; 2Liu Y, Liu J, Shi PY. http://www.ncbi.nlm.nih.gov/pubmed/?term=35284912

Women – pregnancy (42 articles)

1. **One Year of COVID-19 in Pregnancy: A National Wide Collaborative Study.** Acta Med Port 2022; Borges Charepe N, Queirós A, Alves MJ *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35164897

2. **Adapting obstetric and neonatal services during the COVID-19 pandemic: a scoping review.** BMC Pregnancy Childbirth 2022; 22:119Gold S, Clarfield L, Johnstone J *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148698
3. **The prevalence and correlates of peripartum depression in different stages of pregnancy during COVID-19 pandemic in China.** BMC Pregnancy Childbirth 2022; 22:114Hu M, Zhou Y, Xue M *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35148708
4. **Severe COVID-19 during pregnancy treated with pulse corticosteroid therapy and mid-trimester termination: A case report.** Case Rep Womens Health 2022; 34:e00396Bui TN, Huynh NM, Do-Tran NH *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35165651
5. **Cellular and molecular atlas of the placenta from a COVID-19 pregnant woman infected at midgestation highlights the defective impacts on foetal health.** Cell Prolif. 2022:e13204Chen J, Du L, Wang F *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35141964
6. **COVID-19 Pandemic Experiences and Maternal Stress in Neonatal Intensive Care Units.** Children (Basel) 2022; 9Erdei C, Feldman N, Koire A *et al.* http://www.ncbi.nlm.nih.gov/pubmed/?term=35204971

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