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

COVID-19 publications - Week 36 2020
995 Publications

PubMed based Covid-19 weekly literature update
For those interested in receiving weekly updates
click here
For questions and requests for topics to add send an e-mail
lansberg@gmail.com

Reliable on-line resources for Covid 19

WHO
  Daily dashboard
  Country Guidance
  Travel restriction
Covid Counter
Covid forecasts
CDC
AHA
ESC
EMEA
Evidence EPPI
Wikipedia
Cardionerds - COVID-19
Genomic epidemiology
Oxygenation Ventilation toolkit
Cochrane
BMJ
The Lancet
New England Journal of Medicine
JAMA
Cell
Science
Oxford University Press
Cambridge University Press
Springer Nature
Elsevier
Wiley
PLOS
LitCovid NIH-NLM
SSRN (Pre-prints)
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

Mainstream Media
New York Times - Corona update
What if There Isn’t a Vaccine for Years?
The Pandemic Is a ‘Mental Health Crisis’ for Parents
Covid-19 Live Updates: Vaccine Trial Is Halted After Patient’s Adverse Reaction
Coronavirus Tests Are Supposed to Be Free. The Surprise Bills Come Anyway
Scientists Worry About Political Influence Over Coronavirus Vaccine Project
Britain is expected to ban gatherings of more than six people.
9 Drug Companies Pledge to ‘Stand With Science’ on Coronavirus Vaccines
Coronavirus Drug and Treatment Tracker
Coronavirus Vaccine Tracker

Washington Post - Corona update
My covid symptoms were so severe I had to work from home. My school fired me.
India’s hitting a record number of new covid-19 cases. That’s not its only problem.
The lessons two ancient philosophers have for us during the pandemic
Italy’s Bergamo is calling back coronavirus survivors. About half say they haven’t fully recovered.
How to solve irritating problems with your mask during the pandemic
Ultra-Orthodox Jews clash with secular Israeli officials over coronavirus measures
For pediatricians, covid-19 presents a thorny problem

Guardian - Corona update
Anger in China as doctor who died of Covid-19 omitted from citizen awards
Oxford Covid-19 vaccine trial participant undeterred by pause
Coronavirus cases rise steeply among young people in England
England Covid restrictions: what is allowed from Monday
Charmaine Griffiths: Covid could set us back years on medical discoveries

Key Articles
The enigmatic clinical expression of COVID-19 complications remains puzzling. Since December 2019, unprecedented global scientific efforts have been working at warp speed to provide clinicians caring for hospitalized COVID-19 patients with a better understanding of the pathophysiological features and potential therapeutic solutions. In this narrative review, the authors provide an in-depth insight into the endothelial related manifestation of this disease. Their insights provide not only a logical explanation of why a patient can present with a myriad diversity of symptoms and complications but also offers an insightful framework for potential therapies.

The cardiac damaging effects of the SARS-CoV2 virus has been documented in large numbers of patients. The dilemma cardiologists are confronted with is how to optimally care for patients with cardiac symptoms and complications. Clinical features range from fulminant myocarditis to myocardial injury caused by tachycardia, fever, and reduced oxygen delivery related to hypotension and hypoxemia; in this narrative review, prof. Libby provides essential and helpful leads to clinicians managing patients with this enigmatic and complex disease. The absence of rigorous evidence to choose therapies combined with urgency to act can be challenging. Having expert guidance based on current insights and understanding of cardiac COVID-19 manifestations will be helpful for clinicians caring for these patients.


There is an urgent need for evidence-based guidance on how to treat patients with life-threatening COVID-19 infections. This meta-analysis provides helpful evidence on the effects of systemic corticosteroids in critically ill patients. Pooled data from 7 randomized clinical trials (N1 703) showed improved survival in those that received corticosteroids. The calculated OR for mortality was 0.64 (0.50-0.82; P < .001) for patients treated with dexamethasone (3 trials, 1282 patients, and 527 deaths); 0.69 (0.43-1.12; P = .13) for hydrocortisone (3 trials, 374 patients, and 94 deaths), and 0.91 (95%CI, 0.29-2.87; P = .87) for methylprednisolone (1 trial, 47 patients, and 26 deaths). The authors concluded that in critically ill COVID-19 patients, the use of systemic corticosteroids reduces 28-day all-cause mortality.


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**Basic Science (40 articles)**


Biomarkers - Genetics (92 articles)


Cardiovascular disease (72 articles)


**Children (27 articles)**


Clinical Features (50 articles)


**CNS (29 articles)**


25. Benito-Pascual B, Gegünde JA, Diaz-Valle D et al. Panuveitis and Optic Neuritis as a Possible Initial Presentation of the Novel Coronavirus Disease 2019


Coagulation (33 articles)


Complications (71 articles)


Cured – Recovered (8 articles)


Diagnosis (6 articles)


DM-MS-Obesity (15 articles)

6. Buetti N, Trimboli P, Mazzucchelli T et al. Diabetes mellitus is a risk factor for prolonged SARS-CoV-2 viral shedding in lower respiratory tract samples of


Elderly (13 articles)


Epidemiology (103 articles)


34. Oni T, Micklesfield LK, Wadende P et al. Implications of COVID-19 control measures for diet and physical activity, and lessons for addressing other


48. Khan MM, Parab SR. Simple Face Shield for Public as a Crucial Factor to Slow Aerosol Transmission During Unlock Phase of COVID Pandemic. Indian J


Gastro-enterology (18 articles)


Guidelines (35 articles)


Imaging (29 articles)


28. Antoch G, Urbach H, Mentzel HJ et al. SARS-CoV-2/COVID-19: Recommendations for radiological care - A statement by the German Radiological Society (DRG), German Society for Neuroradiology (DGNR), Society for Pediatric Radiology (GPR), German Society for Interventional Radiology (DeGIR), Professional Association of Neuroradiologists (BDNR),
Immune response (23 articles)


**Management miscellaneous diseases (99 articles)**


3. Triantafyllou T, Olson MT, Theodorou D *et al.* **Esophageal cancer: challenges, concerns, and recommendations for management amidst the COVID-19**


17. Lord AS, Lombardi N, Evans K et al. Keeping the team together: Transformation of an inpatient neurology service at an urban, multi-ethnic, safety net hospital.


60. Carneiro-Leão L, Amaral L, Coimbra A, Plácido JL. Real-life experience of an Allergy and Clinical Immunology Department in a Portuguese reference


Management (73 articles)


Mental – public health (95 articles)

16. Sharma M, Creutzfeldt CJ, Lewis A et al. Healthcare professionals’ perceptions of critical care resource availability and factors associated with mental well-


57. Zhang W, Yang X, Zhao J et al. Depression and Psychological-Behavioral Responses Among the General Public in China During the Early Stages of the


Meta-analyses - systematic reviews (15 articles)


Mortality (30 articles)


Pathology (4 articles)


**Protection (42 articles)**


42. Wang J, Yu L, Wu SS et al. [Interpretation for the group standards in guidelines for personal protection against coronavirus disease 2019 for diseases control
Pulmonary disease (20 articles)


Renal disease (16 articles)


9. Obinata H, Yokobori S, Ogawa K et al. Indicators of acute kidney injury as biomarkers to differentiate heatstroke from coronavirus disease 2019: A

Reviews (51 articles)


Safety (11 articles)


Treatment options (89 articles)


Trials (19 articles)


Vaccines (19 articles)


18. Hellerstein M. What are the roles of antibodies versus a durable, high quality T-cell response in protective immunity against SARS-CoV2? Vaccine X

**Women – pregnancy (21 articles)**


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