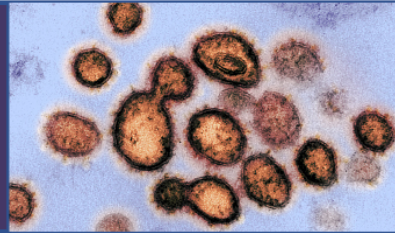


Covid-19

Literature Update



A CURATED SELECTION AND OVERVIEW OF COVID-19 PUBLICATIONS

Update May 10 - May 16, 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 19 2021

1049 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 forecasts](#)

[CDC](#)

[AHA](#)

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[JAMA](#)

[Cell](#)

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[Genomic epidemiology](#)

[Oxygenation Ventilation toolkit](#)

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

[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 \(Medscape\)](#)

[LitCovid NIH-NLM](#)

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

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

[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)

**Re: Plasma exchange and convalescent plasma in COVID-19 patients with
multi-organ failure –**

**The COVID-19 PLEX + Convalescent Plasma trial –
Enrollment initiated**

The Covid-Plex trial is an investigator initiated, multicenter, parallel-group, open-label randomized clinical trial aiming to randomize patients with severe COVID-19 to standard care or standard care plus plasmapheresis and convalescent plasma.

If you are interested to participate Please contact Wladimir Szpirt, Nicholas Carlson Anders, or Perner Bo Feldt-Rasmussen. Depts. Of Intensive Care Therapy and Nephrology, Copenhagen University Hospital Rigshospitalet, Denmark

Covid-Plex trial

Mainstream Media

New York Times - Corona update

Coronavirus cases and deaths drop to lowest levels in nearly a year.

C.D.C. Is Investigating a Heart Problem in a Few Young Vaccine Recipients

Pakistan's Private Vaccine Sales Highlight Rich-Poor Divide

Germany suspends travel from the U.K. amid concerns of a variant's spread

'Absolutely Yes': Games Will Go On Even in State of Emergency, I.O.C. Says

What Activities Can Unvaccinated Children Do? Advice From 828 Experts

Answers to Your Questions About Covid Vaccines and Kids

Covid Killed His Father. Then Came \$1 Million in Medical Bills

The Latest Coronavirus Comes From Dogs

Washington Post - Corona update

30 observations from my first vaccinated flight

Dr. Leana S. Wen answers your questions about CDC mask guidance.

Can they alter DNA? Experts tackle coronavirus vaccine fears.

Are 'covid nails' a sign you had the virus? Experts weigh in.

Kids' covid vaccines are on the way. Parents,

Vaccinated and ready to hit the gym? Here's how to assess the risks.

Chinese health experts promote third doses of vaccines, saying protection wanes
after six months

Guardian - Corona update

China rejects report of sick staff at Wuhan lab prior to Covid outbreak

Britons should not be holidaying in Spain yet, says UK minister

Faster than a PCR test: dogs detect Covid in under a second

Key Articles

- 1. Paradoxical relationship between proton pump inhibitors and COVID-19: A systematic review and meta-analysis.** World J Clin Cases 2021; 9:2763-2777 Zippi M, Fiorino S, Budriesi R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=33969059>
Conflicting studies have reported a greater and reduced risk for severe COVID-19 complications in patients using proton pump inhibitors (PPI). This meta-analysis examined nine published study results. Only five studies reported data on disease severity and mortality in SARS-CoV-2 patients. Increased non-significant trends for severity OR:1.65 (P=0.314)) and Mortality OR:1.75 (P=0.286) were observed.
- 2. Recommendations for COVID-19 vaccination in people with rheumatic disease: Developed by the Singapore Chapter of Rheumatologists.** Int J Rheum Dis 2021; Santosa A, Xu C, Arkachaisri T *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=33973379>
Rheumatic disease (RD) patients not only have an increased risk for SARS-CoV-2 infections and complications, but vaccination to protect them needs to be carefully timed as well. The Singapore Chapter of Rheumatologists formulated this practical vaccination algorithm. Their advice is based on recently published literature, including guidelines and recommendations. This paper provides clinicians that manage (RD) patients a simple step-wise approach on how and when to administer a SARS-CoV-2 vaccine and when to measure post-vaccine antibody titers.
- 3. Vitamin D and COVID-19: Role of ACE2, age, gender, and ethnicity.** J Med Virol 2021; Getachew B, Tizabi Y. <http://www.ncbi.nlm.nih.gov/pubmed/?term=33990955>
The role of vitamin D in both SARS-CoV-2 susceptibility and risk of serious complications is not entirely understood. In this review, the authors show an interesting perspective on the role of vitamin D in the renin-angiotensin system (RAS). The ACE2 protein not only acts as a receptor for the SARS-CoV-2 virus but plays an essential regulatory role in the RAS as well. Overactivation of the pulmonary RAS can be triggered by vitamin D deficiency, resulting in increased ACE2 concentrations and triggering endothelial damage, inflammation, fibrosis, and thrombosis. Age, gender, and ethnicity can have

substantial effects on vitamin D-ACE2 interaction as well.

4. **COVID19-CT-dataset: an open-access chest CT image repository of 1000+ patients with confirmed COVID-19 diagnosis.** BMC Res. Notes 2021; 14:178Shakouri S, Bakhshali MA, Layegh P *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=33980279>
5. **An Update From the American Stroke Association and the Stroke Council.** Stroke 2021;Strokeaha121034827Schwamm LH, Panagos PD, Mohl SM. <http://www.ncbi.nlm.nih.gov/pubmed/?term=33980043>
6. **Tips for the corona vaccination in your practice - How general practitioners conscientiously prepare themselves.** MMW-Fortschritte der Medizin 2021; 163:33Schorrlepp M.
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8. **Acute Transverse Myelitis (ATM):Clinical Review of 43 Patients With COVID-19-Associated ATM and 3 Post-Vaccination ATM Serious Adverse Events With the ChAdOx1 nCoV-19 Vaccine (AZD1222).** Front. Immunol. 2021; 12:653786Román GC, Gracia F, Torres A *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=33981305>
9. **Higher mortality in lung cancer patients with COVID-19? A systematic review and meta-analysis.** Lung Cancer 2021; Lei H, Yang Y, Zhou W *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=33985850>
10. **COVID-19 Endothelial Dysfunction Can Cause Erectile Dysfunction: Histopathological, Immunohistochemical, and Ultrastructural Study of the Human Penis.** World J Mens Health 2021; Kresch E, Achua J, Saltzman R *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=33988001>
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Basic Science (69 articles)

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