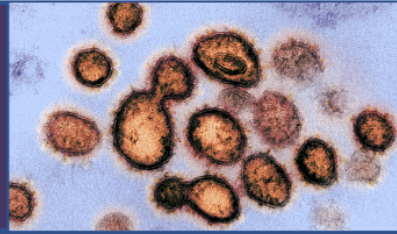


Covid-19 Literature Update



A CURATED SELECTION AND OVERVIEW OF COVID-19 PUBLICATIONS

Update January 10 - January 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 02 2022

1178 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](#)

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[Country Guidance](#)

[Travel restriction](#)

[Covid Counter](#)

[Covid forecasts](#)

[CDC](#)

[AHA](#)

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[LitCovid NIH-NLM](#)

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

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

[COVID-19 Projections tracker](#)

[Retracted papers](#)

[AAN - Neurology resources](#)

[COVID-19 risk tools - Apps](#)

[COVID-19 resources \(Harvard\)](#)

[Web app for SARS-CoV2 mutations](#)

[COVID-19 resources \(McMasters\)](#)

[COVID-19 resources \(NHLBI\)](#)

[COVID-19 resources \(MEDSCAPE\)](#)

[COVID-19 Diabetes \(JDRE\)](#)

[COVID-19 TELEMEDICINE \(BMJ\)](#)

[Global Causes of death \(Johns Hopkins\)](#)

[COVID-19 calculators \(Medscape\)](#)

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

Germany aims to reopen in stages and to lift most restrictions by spring.

China's leader urges Hong Kong to curb outbreak 'as soon as possible.'

'Nurses Have Finally Learned What They're Worth'

Trudeau Declares Rare Public Emergency to Quell Protests

Coronavirus Briefing: The New Mask Normal

Sweden recommends fourth vaccine shots for people 80 and older.

Ontario Easing Covid Rules, Ending Vaccine Passport System on March 1

Washington Post - Corona update

10 places vaccinated travelers can go without taking a coronavirus test

Vaccination during pregnancy may provide infants protection against coronavirus

How fast the omicron variant is spreading around the world

The coronavirus is here to stay. We now have a tool kit to live with it.

Confused about rapid tests? Here's what to know.

Guardian - Corona update

Scotland to offer Covid jab to all children aged five to 11

how can people be positive on lateral flow and negative on PCRs?

Vaccination reduces chance of getting long Covid, studies find

Why don't some people want to get the vaccine? Here's why.

'The only logical choice': anti-vaxxers who changed their minds on Covid vaccines

Key Articles

1. Systematic review and meta-analysis of COVID-19 maternal and neonatal clinical features and pregnancy outcomes up to June 3, 2021. AJOG Glob Rep 2022; 2:100049 Marchand G, Patil AS, Masoud AT *et al*.

<http://www.ncbi.nlm.nih.gov/pubmed/?term=35005663>

The impact of SARS-CoV-2 infections on maternal and neonatal outcomes is explored in this extensive meta-analysis (111 studies – 43 754 COVID-19 positive pregnant women). Risk increases were observed for premature delivery, OR:1.48 (1.22–1.8)]; preeclampsia, OR 1.6 [(1.2–2.1); stillbirth OR 2.36 (1.24–4.46); neonatal mortality OR 3.35 (1.07–10.5), and maternal mortality OR 3.08 (1.5–6.3).

2. SARS-CoV-2 mRNA vaccination elicits a robust and persistent T follicular helper cell response in humans. Cell 2021; Mudd PA, Minervina AA,

Pogorelyy MV *et al*. <http://www.ncbi.nlm.nih.gov/pubmed/?term=35026152>
Vaccine efficacy is commonly described by measuring antibody response. This detailed exploration of B-Cell and T-cell response after BNT162b2 mRNA vaccination provides reassuring information. The antigen-specific CD4+Tfh cells in human lymph nodes, induced by prime-boost administration, is sustained at nearly constant frequencies for at least 6 months, reflecting long-term immunity triggered by the currently used mRNA vaccines.

3. **"LONG COVID"-A hypothesis for understanding the biological basis and pharmacological treatment strategy.** Pharmacol Res Perspect 2022; 10:e00911Jarrott B, Head R, Pringle KG *et al.*
<http://www.ncbi.nlm.nih.gov/pubmed/?term=35029046>
The acute COVID-19 infections have dominated global attention over the last 2 years, is the next problem we must deal with LONG-COVID? This review provides an overview of the current understanding of the biological basis and possible pharmacological treatment of this debilitating COVID-19 complication that is estimated to affect an estimated 40% of post-COVID-19 patients.
4. **Necessity of COVID-19 Vaccination in Persons Who Have Already Had COVID-19.** Clin Infect Dis 2022; Shrestha NK, Burke PC, Nowacki AS *et al.*
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<http://www.ncbi.nlm.nih.gov/pubmed/?term=35023003>
10. **QT Prolongation in Critically Ill Patients With SARS-CoV-2 Infection.** J. Cardiovasc. Pharmacol. Ther. 2022; 27:10742484211069479El Nekidy WS, Almuti K, ElRefaei H *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=35006023>
11. **Efficacy of melatonin in the treatment of patients with COVID-19: A systematic review and meta-analysis of randomized controlled trials.** J Med Virol 2022; Lan SH, Lee HZ, Chao CM *et al.*

12. **Role of the SARS-CoV-2 virus in the appearance of new onset type 1 diabetes mellitus in children in Gran Canaria, Spain.** J. Pediatr. Endocrinol. Metab. 2022; Nóvoa-Medina Y, Pavlovic-Nesic S, González-Martín JM *et al.* <http://www.ncbi.nlm.nih.gov/pubmed/?term=35026884>
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Omicron (5 articles)

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4. **New conductive filament ready-to-use for 3D-printing electrochemical (bio)sensors: Towards the detection of SARS-CoV-2.** Anal. Chim. Acta 2022; 1191:339372Stefano JS, Guterres ESLR, Rocha RG *et al.*
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