Daily evidence digest

Viral transmission, vaccine development, probiotics, leadership, triage

Peer reviewed journals featured:

- Two articles on airborne transmission: a commentary in the MJA [here] and a viewpoint in JAMA [here]
- Two articles on ENT – a systematic review on image quality, diagnostic concordance, and patient and provider satisfaction in telemedicine [here] and restructuring outpatient services [here]
- A scoping review on diabetes management [here]
- A feature article in the BMJ on long-lasting effects of COVID-19 infection [here]
- A case report on symmetric peripheral polyarthritis developed during SARS-CoV-2 infection [here]
- A modelling study on the potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-and middle-income countries [here]
- Additive manufacturing for COVID-19 of devices, materials, prospects, and challenges [here]
- Aerosol and environmental surface monitoring for SARS-CoV-2 RNA in a designated hospital for severe COVID-19 patients [here]
- Editorials in the BMJ on violations of health workers’ rights during pandemic [here] and on the opportunity to reduce unnecessary healthcare [here]
- An opinion piece on training programs which recognise different research engagement needs [here]
- A viewpoint on communicating science in the time of a pandemic [here]
- Ethics and challenge trials for coronavirus vaccines [here]
- CT features in COVID-19 patients with two consecutive negative RT-PCR tests after treatment [here]
- NEJM Catalyst published:
  - Commentary on the importance of leadership in a crisis [here]
  - A commentary on patient-centred care post–COVID-19 [here]
  - Insights from patients of Vanderbilt University Medical Centre [here]
- Regional critical care drug requirements in response to COVID-19 in Northern Ireland [here]
- An editorial on COVID-19 vaccine development [here] and a preliminary report on an mRNA vaccine against SARS-CoV-2 [here]
- A COVID-19 triage unit in Switzerland [here]
Letters and Correspondence discussed:
- Characteristics of randomised clinical trials launched during COVID-19 [here](#).
- Association between universal masking in a healthcare system and SARS-CoV-2 positivity among healthcare workers [here](#).
- Lancet published three letters on the potential role of probiotics as bacteriotherapy in SARS-CoV-2 [here](#), [here](#), and [here](#).
- Tackling cervical cancer in Europe amidst COVID-19 [here](#).

Pre-peer review articles
- A systematic review on COVID-19 among people living with HIV [here](#).
- A systematic review of individual participant data on the duration of temporal detection of SARS-CoV-2 using RT-PCR-based tests [here](#).
- A scoping review on the decontamination of N95 masks against coronavirus [here](#).
- A study quantifying respiratory airborne particle dispersion control through improvised reusable masks [here](#).
- Multimodal brain MRI in 25 COVID-19 patients with neurological symptoms revealed dysregulated cerebral perfusion [here](#).
- A systematic review on the efficacy of IL-6 inhibitor tocilizumab in reducing severe COVID-19 mortality [here](#).

News items
- State quarantine requirements for interstate travel by the Australian Department of Health [here](#).

Have your say on the future of the digest
Do you value the daily digest? Should we continue to produce it daily? Would you prefer a weekly summary and shorter daily alerts? Should we cluster topics into themes? Can you suggest any improvements?

Please complete a quick survey to give your feedback. It will take about three minutes to complete. Survey closes 21 July 2020. [Click here to complete the survey](#).