Daily evidence digest

Sampling methods, Sydney seroprevalence, airborne dispersal in hospitals

Peer reviewed journals featured:

- A systematic review on detection rates of 16 sampling methods for respiratory viruses [here]
- A cross-sectional seroprevalence study on SARS-CoV-2-specific antibodies in Sydney [here]
- Modelling studies on:
  - Disparities in US COVID-19 infection rates [here] and related articles [here] and [here]
  - Transmission and control of COVID-19 in Australia [here]
  - The interaction between government policy and COVID-19 disease dynamics [here]
- Long-distance airborne dispersal of COVID-19 in wards at Uppsala University Hospital [here]
- A neural network design for detection of COVID-19 cases from chest X-ray images [here]
- A case report of immune responses to COVID-19 in three children of parents with symptomatic COVID-19 in Melbourne [here]
- A prospective case series on the deployment of a virtual hospital program in the US [here]
- An observational study on persisting symptoms, biomarkers and imaging post COVID-19 [here]
- Commentary on the regulatory responses to COVID-19 in Australian prisons [here]
- Perspectives on:
  - COVID-19 transmission in UK hospitals [here]
  - A personal account from an emergency physician on experiencing COVID-19 [here]

Letters and correspondence discussed:

- 60-day outcomes among patients hospitalised with COVID-19 [here]

News and blogs

- Declining COVID-19 mortality rates [here]
- Positive COVID-19 vaccine results from controversial Russian trial [here]
- Uncertainties of a COVID-19 vaccine [here]

Vaccines

- As of 11 November 2020, there are 202 vaccine candidates globally, 41 in human clinical trials [here]