COVID-19 Critical Intelligence Unit

Daily evidence digest

28 April 2021

The daily evidence digest collates recently released reports and evidence – provision of these links does not imply endorsement nor recommendation.

Prophylaxis against COVID-19, immune-related manifestations of COVID-19, silent COVID-19 infections in children

Peer reviewed journals featured:

- A living systematic review and visual summary on prophylaxis against COVID-19 here
- A narrative review on systemic and organ-specific immune-related manifestations of COVID-19 here
- A modelling study on silent COVID-19 infections in children here and associated commentary here
- Observational studies on:
 - Association of maternal perinatal SARS-CoV-2 infection with neonatal outcomes in COVID-19 in Massachusetts <u>here</u>
 - Cardiac corrected QT interval prolongation in treated COVID-19 patients <u>here</u> and associated commentary <u>here</u>
 - An online intervention to boost positive mood in medical and emergency personnel here
 - Re-infection with SARS-CoV-2 here
 - o Dual impacts of COVID-19 anxiety on mental health in 35 societies here
 - The effects of SARS-CoV-2 on nasopharyngeal microbial composition here
 - infliximab associated with attenuated immunogenicity to Pfizer and AstraZeneca vaccines in patients with inflammatory bowel disease <u>here</u>
- Anticardiolipin and antiphospholipid antibodies in critically ill COVID-19 patients <u>here</u>
 Commentary on:
 - Shared decision making in tackling COVID-19 vaccine hesitancy here
 - Whether to reconsider the 'Berlin definition' of acute respiratory distress syndrome here

Letters and correspondence discussed:

Hand hygiene compliance during COVID-19 <u>here</u>

Pre-peer review articles featured:

A 6-month follow up of 8679 hospitalised COVID-19 patients in Germany here



News and blogs

- Wider use of FFP3 masks may be needed for airborne transmission here
- Countries rally to support India through "storm that has shaken the nation" here
- The UK launches antivirals taskforce to deliver home treatments by autumn here
- A pandemic treaty <u>here</u> and <u>here</u>

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Living Evidence Tables

Living Evidence tables are up-to-date summaries of emerging evidence. Tables are available on <u>COVID-19 transmission</u>, SARS-CoV-2 <u>vaccines</u>, and <u>variants</u> of concern.



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