COVID-19 Critical Intelligence Unit

Daily evidence digest

8 October 2021

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

Bamlanivimab and etesevimab, maternal SARS-CoV-2 infection, waning of Comirnaty (Pfizer) vaccine protection, WHO guide on antigen tests

Peer reviewed journals featured:

- Randomised controlled trials of:
 - o Bamlanivimab plus etesevimab in mild or moderate COVID-19 here
 - o Tocilizumab and remdesivir in patients with severe COVID-19 pneumonia here
- A narrative review on maternal SARS-CoV-2 infection and the immunology of the neonate <u>here</u>
- Observational studies on:
 - MRI and CT coronary angiography in COVID-19 survivors <u>here</u>
 - Waning of Comirnaty (Pfizer) vaccine protection against COVID-19 here
 - Waning immune humoral response to Comirnaty (Pfizer) vaccine over 6 Months here
 - Myocarditis after Comirnaty (Pfizer) vaccine against COVID-19 here and here
 - o Protection of Comirnaty (Pfizer) vaccine booster against COVID-19 in Israel here
 - o Effectiveness of COVID-19 vaccines in ambulatory and inpatient care settings here
 - o Association of pre-existing comorbidities with COVID-19 mortality and severity here
 - Association of serum ferritin levels and methylprednisolone treatment in nonintubated patients with severe COVID-19 pneumonia <u>here</u>
 - o Breakthrough Delta variant infections in vaccinated healthcare workers in Vietnam here
 - o Antibody persistence and neutralising activity in primary schools students and staff here
- Editorials on:
 - o COVID-19 vaccine effectiveness and the test-negative design here
 - o COVID-19 mRNA vaccination and myocarditis here

Letters and correspondence discussed:

Acute myocarditis following mRNA vaccination in ages 18 years or older here

Guidance and reports

- The World Health Organization published:
 - o Guidance on antigen-detection in the diagnosis of SARS-CoV-2 infection here
 - A clinical case definition of post COVID-19 condition by a Delphi consensus here
- The Organisation for Economic Co-operation and Development published a COVID-19 recovery dashboard <u>here</u>



News and blogs

- Real-world data show that filters clean COVID19-causing virus from air here
- NEJM audio interview on COVID-19 vaccine boosters <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 vaccines, and variants of concern, <u>post-acute sequelae of</u> <u>COVID-19 (PASC)</u>, <u>surgery and COVID-19</u>, <u>rapid testing</u> and <u>risk mitigation strategies</u>.



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