Daily evidence digest

4 August 2020

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

Vaccine evaluation, living review of drug treatments, rehabilitation, cellular immune response, modelling hospital resource needs

Peer reviewed journals featured:

- An evaluation of the mRNA-1273 vaccine against SARS-CoV-2 in non-human primates here
- A living systematic review and network meta-analysis on drug treatments for COVID-19 here
- A BMJ visual clinical practice guideline on using remdesivir for severe COVID-19 here
- A rapid, living systematic review on rehabilitation for COVID-19 patients here
- A systematic review on the risk of SARS-CoV-2 transmission during flexible laryngoscopy here
- A rapid review and recommendations from the American Gastroenterological Association Institute on the role of pre-procedure SARS-CoV2 testing and endoscopy here
- A review on transmission modes of SARS-CoV-2 and implications for infection control here
- A prospective cohort study in the UK and US on the risk of COVID-19 among front-line healthcare workers and the general community here
- Infectious Diseases Society of America guidelines on infection prevention for health care personnel caring for patients with suspected or known COVID-19 here
- A single centre account of 'awake' breast cancer surgery during COVID-19 here
- A survey on acute mental health responses during COVID-19 in Australia here
- A Swedish register study examining loneliness, end-of-life discussions, and support for patients and their families in nursing homes and hospitals here
- A guide on chest imaging for COVID-19 diagnosis and management here
- Modelling of screening strategies to permit safe reopening of US college campuses here
- A perspective on why vaccine rumours stick here
- An editorial on 'infodemiology' here
- Commentary on inhaled corticosteroids as a treatment for COVID-19 here
- Editorials in the BMJ on cellular immune responses here and living systematic reviews here
- A simulation model on intervention scenarios for long-term COVID-19 management here
- Assessment of monthly economic losses in Wuhan under the lockdown against COVID-19 here
- A perspective on digitising clinical trials here
- A viewpoint on the benefits and risks of proliferating observational treatment assessments here
- A cross sectional, video based study of face-touching before and during COVID-19 here
- A perspective on how SARS-CoV-2 causes COVID-19? here
- An international perspective on COVID-19 risks to food security here

- COVID-19 in nursing homes: calming the perfect storm here
- An Australian and New Zealand consensus statement on cardiovascular disease here
- US guidance for the management of rheumatic disease in adult patients during COVID-19 here
- Association between pulmonary embolism and COVID-19 in emergency department patients undergoing computed tomographic pulmonary angiogram (CTPA) here
- The protein expression profile of ACE2 in human tissues here

Letters and correspondence discussed:

- Evidence-based approaches for surgery during COVID-19 here
- A dynamic scale for surgical activity (DYSSA) stratification during COVID -19 here
- B-cell depletion with rituximab in COVID-19 here
- SARS-CoV-2-related atypical thyroiditis here
- Ventilation techniques and risk for transmission of coronavirus disease here

Pre-peer review articles featured:

- A systematic review and meta-analysis of secondary attack rate here
- Projecting hospital resource utilisation during a surge using parametric bootstrapping here
- Modelling latent infection transmissions through biosocial stochastic dynamics here
- An analysis of social media data on long-term patient-reported symptoms here
- A rapid scoping review on the relative infectiousness of asymptomatic infected persons here
- Suppression of SARS-CoV-2 without intensive social distancing here

Reviews

- The Canadian National Collaborating Centre fpr Methods and Tools released reports on
    - Factors increasing the risk of outbreaks in congregate living settings here
    - How long the virus can survive with potential for infection on surfaces? here

News and blogs

- The Australian Government announced COVID-19 mental health support for people here
- BMJ blogs on advance care plans here and the effect on the gender pay gap in medicine here

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