COVID-19 Critical Intelligence Unit

Daily evidence digest

29 May 2020

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

Cardiac imaging, frailty, 3D printed swabs and rural emergency care toolkit

Peer reviewed journals featured:
- A systematic review on the impact of cardiovascular disease and cardiac injury on in-hospital mortality in COVID-19 patients here
- Recommendations of the European Society of Cardiovascular Radiology on cardiac imaging procedures here
- A guide to the use of compartmental models such as susceptible-infected-recovered (SIR) models to develop predictions during epidemics here
- An evaluation of 3D-printed swabs for use in detection of COVID-19 here
- Two perspective pieces in *NEJM* - on risk stratification for workers during COVID-19 here and long-term care policy and 'the nursing home crisis' in the US here
- A perspective on transmission of COVID-19 here
- An editorial about the evolving story of COVID-19 coagulopathy here
- An editorial in the *Lancet neurology* on the neurological impact of COVID-19 here, along with correspondence on international neurological registries here and an ongoing survey here

Letters and correspondence featured:
- An analysis of associations between stay-at-home orders and COVID-19 hospitalisations in four states in the USA here
- A case series from China comparing clinical characteristics of patients with asymptomatic and symptomatic disease here

Pre-peer review papers feature:
- Retrospective observational study on frailty and mortality in hospitalised older adults with COVID-19 here
- Numerical model to illustrate the impact the timing of initial measures against COVID-19 here
- Validation study to assess the sensitivity, specificity, and predictive values of the novel 'LOW-HARM' score (Lymphopenia, Oxygen saturation, White blood cells, Hypertension, Age, Renal injury, and Myocardial injury) for patients with COVID-19 here
- Meta-analysis on the reliability and consistency of COVID-19 viral RNA detection in saliva specimens here
- A data quality study based on retrospective population-based data here

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Guidance:

- The World Health Organisation released updated interim guidance on the clinical management of COVID-19 here
- The US Centres for Disease Control and Prevention released interim guidelines for antibody testing here
- The Australasian College for Emergency Medicine released a COVID-19 toolkit for rural emergency care facilities here

Reviews:

- The Centre for Evidence Based Medicine release a discussion on face coverings for the lay public here , and factors that explain the high rate of COVID-19 transmission in meat and poultry facilities here