

COVID-19 Evidence Bulletin 20th November 2020

Details of new guidance and evidence relating to the response to COVID-19. Please check SaTH, NHS and Government guidance in conjunction with these resources where necessary.

General

Multidisciplinary patient review in COVID-19 cohort wards [Royal College of Physicians/Royal College of Nursing/Chartered Society of Physiotherapists/Royal Pharmaceutical Society/NHS England & Improvement]

[The guidance helps ward based teams to conduct multidisciplinary assessments while maintaining a safe and secure environment that protects both patients and healthcare staff from the risks of cross-contamination]

Available [here](#)

BAME Community

Ethnicity and clinical outcomes in COVID-19: A systematic review and meta-analysis [Sze S. *eClinical Medicine*]

[Review (50 studies; n=18,728,893) found that individuals from Black and Asian ethnicities had a higher risk of COVID-19 infection compared to White individuals. (pooled adjusted RR for Black: 2.02, 95% CI 1.67–2.44; for Asian: 1.50, 95% CI 1.24–1.83).]

Available [here](#)

Black and Asian patients have increased risk of severe COVID-19 at different stages of the disease.

[National Institute for Health Research]

[Patients of Black ethnicity have an increased risk of requiring hospital admission for COVID-19, while patients of Asian ethnicity have an increased risk of dying in hospital from COVID-19, researchers have found.]

Available [here](#)

Cardiovascular Care

Prevalence and Risk Factors of Thromboembolism among Patients With Coronavirus Disease-19: A Systematic Review and Meta-Analysis [Kefale B. *Clinical and Applied Thrombosis/Hemostasis*]

[The pooled prevalence of thrombotic events in COVID-19 patients was 33%. The prevalence of thrombotic events is variable on the basis of study design and study centers. Several risk factors such as elevated D-dimer, hospitalized in the intensive care unit and being under mechanical ventilation, were the most frequently reported risk factors identified. Therefore, healthcare professionals should consider these risk factors to optimally manage thromboembolism in COVID-19 patients.]

Available [here](#)

Coexisting Conditions

Management of coexisting conditions in the context of COVID-19 [evidence summary from BMJ Best Practice]

Available [here](#). Last updated 19th November

Complications

COVID-19: Complications [evidence summary from BMJ Best Practice]

Available [here](#). Last updated 13th November

Dermatology

Management of urticaria in COVID-19 patients: A systematic review [Abuelgasim E. *Dermatologic Therapy*]

[Management of urticarial in COVID-19 patients should involve antihistamines. Low dose prednisolone should be considered on an individualized basis. Further research is required in understanding urticarial pathogenesis in COVID-19. This will aid early diagnostic assessment in patients with high index of suspicion and subsequent management in the acute phase.]

Available [here](#)

Drug Therapy

COVID-19 therapy: corticosteroids including dexamethasone and hydrocortisone [NHS England and NHS Improvement]

[In accordance with World Health Organization (WHO) recommendations, systemic corticosteroids should be used in patients with severe and critical COVID-19 disease, but not in patients with non-severe COVID-19.]

Available [here](#)

Emergency Care

Key questions for clinical leads to prepare their departments for winter [Royal College of Emergency Medicine]

[A checklist of questions intended to help the clinical lead of an emergency department prepare for winter]

Available [here](#)

Learning Disabilities

People with learning disabilities had higher death rate from COVID-19 [Public Health England]

[England death rate up to 6 times higher from coronavirus during the first wave of the pandemic than the general population, Public Health England study finds.]

Available [here](#)

Long COVID

One in 20 people likely to suffer from 'Long COVID', but who are they? [UK COVID Symptom Study]

Available [here](#). Note: Doesn't open properly in Internet Explorer

Attributes and predictors of Long-COVID: analysis of COVID cases and their symptoms collected by the Covid Symptoms Study App [Sudre, CH. *medRxiv*]

[Reports of “Long-COVID”, are rising but little is known about prevalence, risk factors, or whether it is possible to predict a protracted course early in the disease. We analysed data from 4182 incident cases of COVID-19 who logged their symptoms prospectively in the COVID Symptom Study app] Available [here](#). Please note, this article is a pre-print and has not been peer-reviewed.

‘Long-COVID’: a cross-sectional study of persisting symptoms, biomarker and imaging abnormalities following hospitalisation for COVID-19 [Mandal, S. *Thorax*]

Available [here](#)

Sixty-Day Outcomes Among Patients Hospitalized With COVID-19 [Chopra, V. *Annals of Internal Medicine*]

[Although characteristics and in-hospital outcomes for persons with coronavirus disease 2019 (COVID-19) have been well described, less is known about the longer-term outcomes of hospitalized patients.] Available [here](#)

Determinants of Persistent Post COVID-19 symptoms: Value of a Novel COVID-19 symptoms score [Galal, I. *medRxiv*]

[Being a newly emerging disease little is known about its long-lasting post COVID-19 consequences. Aim of this work is to assess the frequency, patterns and determinants of persistent post COVID-19 symptoms and to evaluate the value of a proposed Novel COVID-19 symptoms score] Available [here](#). Please note, this article is a pre-print and has not been peer-reviewed.

NHS launches 40 ‘long COVID’ clinics to tackle persistent symptoms [NHS England and NHS Improvement]

Available [here](#)

Paediatrics

COVID-19 and Pediatric Patients [evidence summary from DynaMed]

Available [here](#). Last updated 13th November

Renal Care

Risk factors and prognosis for COVID-19-induced acute kidney injury: a meta-analysis [Lin L. *BMJ Open*]

[AKI was a common and serious complication of COVID-19. Older age and having severe COVID-19 were independent risk factors for AKI. The risk of in-hospital death was significantly increased in patients with COVID-19 complicated by AKI.]

Available [here](#)

Research

Guidance on minimising disruptions to the conduct and integrity of clinical trials of medicines during COVID-19 [Medicines and Healthcare Products Regulatory Agency]

[This guidance follows on from that published on managing clinical trials during coronavirus (COVID-19) and has been developed to assist those involved in running clinical trials of medicines. This will avoid disruptions as a result of the continuing pandemic and will support appropriate incorporation of the available flexibilities into normal practice for the benefit of trial participants.]

Available [here](#). Updated 13th November

Respiratory Care

COVID-19 position statement: CPAP for COVID-19-related respiratory failure [Scottish Intercollegiate Guidelines Network]

[The purpose of this document is to provide NHS Scotland with advice on the appropriate use of continuous positive airway pressure (CPAP) for patients with COVID-19]

Available [here](#)

Prognosis

Development and external validation of a prediction risk model for short-term mortality among hospitalized U.S. COVID-19 patients: A proposal for the COVID-AID risk tool [Hajifathalian K. *PLoS One*]

Available [here](#)

Resuscitation

Adult Basic Life Support Algorithm [Shrewsbury and Telford Hospital NHS Trust]

Available on the [SaTH Intranet](#) only.

Staff Wellbeing

Interventions to support the resilience and mental health of frontline health and social care professionals during and after a disease outbreak, epidemic or pandemic: a mixed methods systematic review [Pollock A. *Cochrane Database of Systematic Reviews*]

Available [here](#)

Staff Support During Coronavirus Outbreak [Shrewsbury and Telford Hospital NHS Trust]

Available on the [SaTH Intranet](#) only

Vaccination

Safety and immunogenicity of ChAdOx1 nCoV-19 vaccine administered in a prime-boost regimen in young and old adults (COV002): a single-blind, randomised, controlled, phase 2/3 trial [Ramasamy, MN. *The Lancet*]

[Oxford vaccine]

Available [here](#)

COVID-19 vaccination programme [British Medical Association]

[This guidance provides detail about what the CVP (COVID-19 vaccination programme) service in England involves, what is expected of practices, what you will get to support this work, and guidance on what to do now]

Available [here](#)

KnowledgeShare Evidence Alerts

KnowledgeShare contains many updates on COVID-19 that can be accessed from the [KnowledgeShare website](#) without a password. If you'd like to receive these by email (along with updates on any other topics of interest) please complete the [form](#).

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