

Ventilation and respiratory support

Web-based resources for clinical refresh

#amilliondecisions

Guidelines

The following guideline(s) may be of interest:

[COVID-19 Airway Management Principles](#)

Faculty of Intensive Care Medicine (FICM); 2020.

<https://icmanaesthesiacovid-19.org/airway-management>

This is a consensus document brought together at short notice to advise on airway management for patients with COVID-19. It applies to all those who manage the airway ('airway managers'). It draws on several sources including relevant literature but more immediately from information from clinicians practicing in China and Italy, and airway experts in the UK.

Faculty of Intensive Care Medicine, Intensive Care Society, Association of Anaesthetists and Royal College of Anaesthetists

Freely available online

[COVID-19 rapid guideline: critical care.](#)

National Institute for Health and Care Excellence (NICE); 2020.

<https://www.nice.org.uk/guidance/ng159>

The purpose of this guideline is to maximise the safety of patients who need critical care during the COVID-19 pandemic, while protecting staff from infection. It will also enable services to make the best use of NHS resources.

Freely available online

[Information, guidance and resources supporting the understanding and management of Coronavirus \(COVID-19\)](#)

Faculty of Intensive Care Medicine (FICM); 2020.

<https://icmanaesthesiacovid-19.org/>

Clinical guidance for intensive care and anaesthetics from the Faculty of Intensive Care Medicine, Intensive Care Society, Association of Anaesthetists and the Royal College of Anaesthetists

Freely available online

[Specialty guides for patient management during the coronavirus pandemic.](#)

NHS England; 2020.

<https://www.england.nhs.uk/coronavirus/publication/specialty-guides/>

These cover management of surgical, trauma and orthopaedic, critical care, acute diabetes, neuro trauma, non-CV, acute burns, cancer, emergency department, paediatric, & rheumatology patients, as well as anaesthesia service reorganisation and use of acute non-invasive ventilation.

Freely available online

Articles

The following journal articles are available via the Library and Knowledge Service electronically or in print. Please follow links to access full text online, or contact the library

Addala, D et al (2017) Non-invasive ventilation: initiation and initial management . *British Journal of Hospital Medicine* Vol. 78, No. 9 <https://www.magonlinelibrary.com/doi/pdf/10.12968/hmed.2017.78.9.C140>

Bruce, C et al (2017) Managing acute respiratory tract infections in children. *British Journal of Nursing* Vol 26, No. 11 <https://www.magonlinelibrary.com/doi/pdf/10.12968/bjon.2017.26.11.602>

Coxwell, M et al (2018) Mechanical ventilation for the non-anaesthetist 1: physiology and mechanics. *British Journal of Hospital Medicine* Vol. 79, No. 12 <https://www.magonlinelibrary.com/doi/pdf/10.12968/hmed.2018.79.12.C188>

Coxwell, M et al (2018) Mechanical ventilation for the non-anaesthetist 2: practical tips *British Journal of Hospital Medicine* Vol. 80, No. 1 <https://www.magonlinelibrary.com/doi/pdf/10.12968/hmed.2019.80.1.C12>

Fictner, F et al (2019) Clinical Guideline for Treating Acute Respiratory Insufficiency with Invasive Ventilation and Extracorporeal Membrane Oxygenation: Evidence-Based Recommendations for Choosing Modes and Setting Parameters of Mechanical Ventilation. *Respiration* 98 p. 357-372 <https://www.karger.com/Article/Pdf/502157>

Liew, F et al (2014) Acute respiratory distress syndrome on the intensive care unit *British Journal of Hospital Medicine* Vol. 75, No. 12 <https://www.magonlinelibrary.com/doi/pdf/10.12968/hmed.2014.75.12.672>

Videos

Non-invasive positive pressure ventilation. (2015) *New England Journal of Medicine* <https://www.nejm.org/doi/10.1056/NEJMvcm1313336>

Mechanical ventilation. A selection of videos from the American Thoracic Society <https://www.thoracic.org/professionals/clinical-resources/video-lecture-series/mechanical-ventilation/>

COVID-19 Ventilator Course: Learn or review mechanical ventilation <https://www.medcram.com/courses/COVID19-ventilator-mechanical-ventilation>

Websites

Basics of mechanical ventilation for non-critical care MDS. (2020) Sages Acute Care Committee <https://www.sages.org/basics-of-mechanical-ventilation-for-non-critical-care-mds/>

Overview of mechanical ventilation (2018) MSD Manual Professional Version. <https://www.msmanuals.com/en-gb/professional/critical-care-medicine/respiratory-failure-and-mechanical-ventilation/overview-of-mechanical-ventilation>

[Cochrane Special Collections: Coronavirus \(COVID-19\): evidence relevant to critical care.](https://www.cochranelibrary.com/collections/doi/SC000039/full)

Cochrane Database of Systematic Reviews; 2020.

<https://www.cochranelibrary.com/collections/doi/SC000039/full>

This Special Collection has been created in response to the COVID-19 pandemic, and is regularly updated. It

aims to ensure immediate access to systematic reviews most directly relevant to the management of people hospitalized with severe acute respiratory infections. It includes reviews that are relevant to the WHO interim guidance, those identified as relevant by Cochrane Acute and Emergency Care, and also draws on the knowledge of Cochrane groups in affected regions.

Freely available online

Books

The following are a selection of the books (electronic) we hold with sections on ventilation. To access the electronic books follow the link and login with OpenAthens. We also have a number of print books on the shelf largely at shelf numbers WF 100 and WB 430) We have more books on ventilation on order.

Aston, D et al (2013) Equipment in anaesthesia and intensive care: a complete guide for the FRCA.

<https://ebookcentral.proquest.com/lib/kett/reader.action?docID=1659088&ppq=112>

Baid, H (2016) Oxford handbook of critical care nursing. Chp 5 Respiratory support

Print copy WB 430 OXF

Electronic copy <https://ebookcentral.proquest.com/lib/kett/detail.action?docID=4310745>

Bersten, A (2014) Oh's Intensive Care Manual Section 4 Respiratory failure Chp 31 Mechanical ventilation

<https://ebookcentral.proquest.com/lib/kett/detail.action?docID=1746345>

Leach, R (2014) Critical care medicine at a glance

<https://ebookcentral.proquest.com/lib/kett/detail.action?docID=1765075>

S Whitley et al (2013) Churchill's pocket handbook of Intensive care. Chp 5 Respiratory system

<https://ebookcentral.proquest.com/lib/kett/reader.action?docID=1722726>

For **access to online book resources** go to our catalogue at <https://kgh.koha-ptfs.co.uk>, Search for the book record by title, and then click on 'Click here to access online'. You will then be asked to login using your NHS OpenAthens username. If you don't have an OpenAthens account you can self register at <https://openathens.nice.org.uk/>

KGH Knowledge and Library Service

Phone: 01536 492862

Email: kgh-tr.library.index@nhs.net

Library Website:

<https://kghlibrary.koha-ptfs.co.uk>



[@KGHNHSLibrary](https://twitter.com/KGHNHSLibrary)

Would you like help to find information to support CPD and revalidation?
Or to receive personal alerts to articles and reports on topics of particular interest to you?

Ask us about **KnowledgeShare** to receive fortnightly emails highlighting relevant reports and articles