



Non-invasive Ventilation and Weaning: Principles and Practice

Editors: Mark W. Elliott, Stefano Nava and Bernd Schönhofer
 Hodder Arnold; 621 pages;
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Non-invasive Ventilation and Weaning: Principles and Practice is edited by three internationally recognised specialists in the field and contains contributions from a wide cross-section of highly respected physicians working in ventilation and weaning.

The book consists of two main sections: Equipment and Practice, and The Diseases, as well as appendices available in an electronic (e-book) edition. The first section includes chapters on the practice of both acute and chronic noninvasive ventilation (NIV), as well as detailed coverage of the different modes of ventilation, interfaces, and humidification and drug delivery during NIV. The second section covers the management of conditions such as chronic obstructive pulmonary disease, cardiac failure, neuromuscular disease, obesity and chest wall deformity, and covers pathophysiology and pharmacological management, as well as the role of NIV in these diseases. This section includes chapters on the role of NIV in weaning and extubation failure, as well the application of NIV in paediatric patients. The e-book can be downloaded to any PC or Mac using a redemption code on the inside front cover of the book. This version enables the reader to make notes on and highlight the text, and also contains additional material on weaning strategies and protocols, invasive respiratory muscle testing and ventilator guidelines for emotional health.

The book's strengths lie not only in the wide international representation and calibre of its editors and contributing authors, but also in its coverage of areas that have historically been either glossed over or omitted entirely from other texts on NIV, such as discharge planning, caregiver education and support, and the role of NIV in end-of-life-care, physiotherapy and rehabilitation. It also includes a highly unique section on the patient experience of NIV, covering psychological issues and containing reflections from the wife of a patient with motor neurone disease, who was one of the first such patients to be established on home mechanical ventilation.

The text does lack clinical examples of NIV in practice, and so in this sense it functions more as a reference text than as a bedside aid to the management of the patient using NIV; however, the structure of the text is user-friendly and highly readable, and this book would be extremely valuable for trainees in respiratory medicine, physiotherapists and specialist nursing staff caring for patients requiring NIV. It also contains valuable insights into the organisation and management of a home ventilation service, which would be relevant to more senior clinicians interested in setting up such a service within their organisation.

HERMES syllabus link: module
 E.1.6, E.1.12, E.1.13, F.2

Weaning – Treatment reduction should affect day time ventilation periods first [C]. – After withdrawal of ventilatory support in the day a further night of NIV is recommended [C] – The weaning strategy should be documented in the nursing and medical records [C].

Non-invasive ventilation in the management of acute type II respiratory failure in COPD patients represents one of the major technical advances in respiratory care over the last decade with a reduction in mortality of approximately 50% demonstrated in studies.² The only existing UK guideline document for the use of NIV was published in 2002.³ Subsequently NICE recommended that NIV be used as an alternative to intubation and ventilation is available. Delivery should be confined to a limited range of patients.

¹4. @article{Bryden2011NoninvasiveVA, title={Non-invasive Ventilation and Weaning, Principles and Practice}, author={D. Bryden and A. Glossop}, journal={BJA: British Journal of Anaesthesia}, year={2011}, volume={106}, pages={757-757} }

As one of the part of book categories, non invasive ventilation and weaning principles and practice always becomes the most wanted book. Many people are absolutely searching for this book. It means that many love it!

ABSTRACT Noninvasive mechanical ventilation (NIV) is widely used in the acute care setting for acute respiratory failure (ARF) across a variety of aetiologies. Health professionals are encouraged to take the guidelines into account in their clinical practice. However, the recommendations issued by this guideline may not be appropriate for use in all situations. It is the individual responsibility of health professionals to consult other sources of relevant information, to make appropriate and accurate decisions in consideration of each patient's health condition and in consultation with that patient and the patient's caregiver where appropriate and/or necessary, and to verify rules and regulations applicable to drugs and devices at the time of prescriber