



Nunn's Applied Respiratory Physiology, 7e

By Andrew B. Lumb MB BS FRCA

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Nunn's Applied Respiratory Physiology, Seventh Edition covers all aspects of respiratory physiology in health, disease, and altered conditions and environments, from basic science to clinical applications.

- Includes functional anatomy, mechanics, control of breathing, ventilation, circulation, ventilation-perfusion matching, diffusion, carbon dioxide and oxygen, and non-respiratory functions of the lung.
- Discusses the effects of pregnancy, exercise, sleep, altitude, pressure, drowning, smoking, anaesthesia, hypocapnia, hypercarbia, hypoxia, hyperoxia, and anaemia on respiratory physiology.
- Explores specific clinical disorders such as ventilatory failure, airways disease, pulmonary vascular disease, parenchymal lung disease, and acute lung injury, as well as the physiological basis of current therapies, including artificial ventilation, extrapulmonary gas exchange, and lung transplantation.
- Chapter on Parenchymal Lung Disease has been specifically expanded to include the physiology and pathology of the pleural space and lung cancer.
- Contains a new chapter on Pulmonary Surgery, covering a wide range of surgical interventions from bronchoscopy to lung resection.
- Includes almost 500 new references to the literature.

The result is an invaluable source for those preparing for examinations in anaesthesia and intensive care, as well as an essential purchase for practitioners who want quick reference to current knowledge.

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Editorial Review

Review

...this text remains the primary source of reference information for any health care practitioner involved in the management of patients' respiration. The essentials of respiratory physiology such as compliance, resistance, gas exchange, etc. are not covered in adequate depth in the standard texts of medicine or anesthesia, and any resident in these fields should have access to this text. It is also an unparalleled source of information for any physician teaching in these areas.

Peter D. Slinger, MD
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University of Toronto
Toronto, Ontario, Canada

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