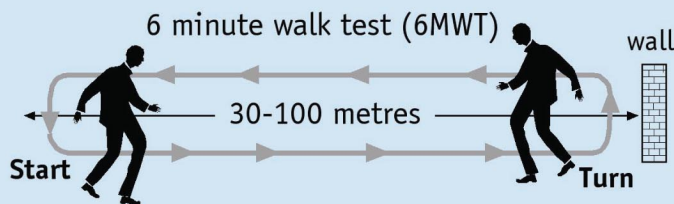
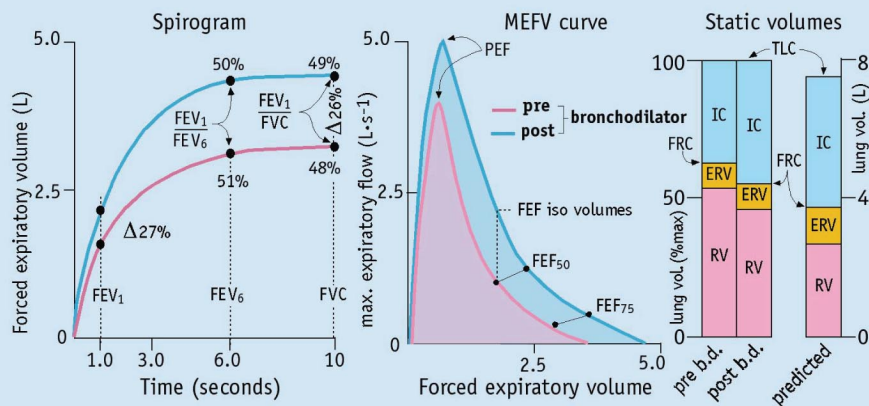
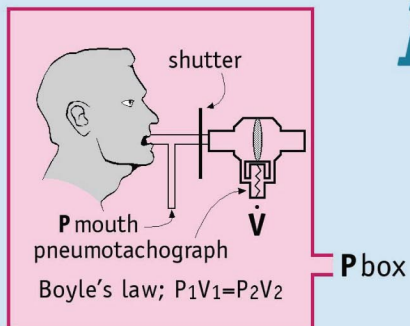


a new book

JMB HUGHES

# Physiology and Practice of

# Pulmonary Function



Foreword: Neil Pride  
Illustrator: Doig Simmonds

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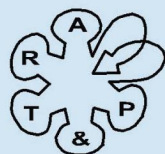


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## Professor Mike Hughes

Emeritus Professor of Thoracic Medicine Hammersmith Hospital campus, and at National Heart and Lung Institute (NHLI), Imperial College, London.

Mike Hughes trained with John West, Jere Mead and Moran Campbell, and was a colleague of Neil Pride at Hammersmith Hospital from 1969 to 1996.

His clinical and research interests are pulmonary physiology, lung function, gas exchange, the pulmonary circulation and radioisotope studies.

*This book describes the patho-physiology of the respiratory system. It explains the physiological basis of adult lung function tests and their application in Clinical Medicine.*

There are 18 chapters (323 pp), 87 tables, and 79 specially prepared figures (27 in colour). Topics covered include:

- Spirometry and maximum expiratory flow.
  - Bronchial challenges.
  - Lung volume and airway resistance.
  - Respiratory muscles.
  - Transfer factor [TLCO, KCO].
  - PaO<sub>2</sub>, SaO<sub>2</sub>, PaCO<sub>2</sub>, pH: respiratory failure: O<sub>2</sub> therapy
  - Exercise (field and laboratory tests).
  - Breathlessness and breathing control.
  - Sleep disordered breathing; non-invasive ventilation.
  - Pulmonary function in Obstructive, Restrictive and Vascular diseases.
- Sections on Reference values, Interpretation of results, Good laboratory practice, Health and Safety and Education and Training give guidance for those working in, or supervising, Pulmonary Function Laboratories.*

**Neil Pride** is Emeritus Professor at Hammersmith and Royal Brompton Hospitals, and at NHLI Imperial College, and past President of the British Thoracic Society. He has a world-wide reputation for his work in respiratory mechanics and COPD.

**Doig Simmonds**: retired Head of Medical Illustration at Hammersmith Hospital, he has written several books on computer graphics for presentations and publications in medicine. He has cooperated with Mike Hughes on two previous books.

Association for Respiratory Technology and Physiology

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