Core Topics in Thoracic Anesthesia

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Edited by

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For Ben

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Preface

This book is aimed primarily at trainees gaining experience in thoracic anesthesia. The content has been dictated both by what we would wish our trainees to gain from our own experience and practice and what we might expect them to know already! Acknowledgments and thanks are therefore due to the many patients who come under our care, who, together with our colleagues, have provided the basis for our experience and practice. We would also like to thank Cambridge University Press for their patience and support during the evolution of this text.

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Abbreviations

ALI	acute lung injury
ARDS	adult respiratory distress syndrome
BPF	bronchopleural fistula
BSLT	bilateral lung transplant
BTS	British Thoracic Society
CMV	cytomegalovirus
CNS	central nervous system
CO	carbon monoxide
CO_2	carbon dioxide
COPD	chronic obstructive pulmonary disease
cPAP	continuous positive airways pressure
CPB	cardiopulmonary bypass
CT	computerized tomography
CTEPH	chronic thromboembolic pulmonary hypertension
CVP	central venous pressure
CXR	chest X-ray
DLT	double lumen endobronchial tube
ECG	electrocardiogram
ECMO	extracorporeal membrane oxygenation
ERV	expiratory reserve volume
FEV_1	forced expiratory volume for 1 second
FOB	fiberoptic bronchoscope
FRC	functional residual capacity
FVC	forced vital capacity
GERD	gastro-esophageal reflux disease
HPV	hypoxic pulmonary vasoconstriction
I:E	inspired:expiratory time
IPPV	intermittent positive pressure ventilation
ISHLT	International Society of Heart and Lung Transplantation
IRV	inspiratory reserve volume
LVRS	lung volume reduction surgery
LTx	lung transplant
MPAP	mean pulmonary arterial pressure
MVV	minute ventilatory volume
NIV	non-invasive ventilation
NO	nitric oxide
O_2	oxygen
OLV	one-lung ventilation
Pa	partial pressure (arterial)
P_A	partial pressure (alveolar)
Pv	partial pressure (venous)
PA	pulmonary artery
PEA	pulmonary endarterectomy
PEEP	positive end-expiratory pressure
PEF	peak expiratory flow
POD	post-operative delirium
Q	perfusion
RB	rigid bronchoscope
RV	residual volume
TCB	torque control blocker
TLC	total lung capacity
TIVA	total intravenous anesthesia
TOE	transesophageal echocardiography
TV	tidal volume
V	ventilation
VATS	video-assisted thoracoscopic surgery
VC	vital capacity

