

Contents

<i>Contributors</i>	page ix
<i>Acknowledgements</i>	xi
<i>Introduction</i>	xiii
<i>About the FRCA examination</i>	xv
The Primary examination	xv
The Final examination	xv
Preparation	xvi
Competency-based training and assessment	xvi
<i>The pre-operative assessment</i>	xix
Looking at X-ray films as part of the pre-operative assessment	xix
Association of Anaesthetists of Great Britain and Ireland	xix
Royal College of Radiologists	xix
Task Force on Preanaesthetic Evaluation of the American Society of Anaesthesiologists	xx

1. Imaging the chest	1	6. Anaesthesia in the radiology department. MRI and interventional radiology	209
How to read a chest X-ray	2	Anaesthesia in the radiology department	210
2. Imaging the abdomen	59	MRI: principles of image formation	212
Pain abdominal X-rays	60	MRI: anaesthetic monitoring	216
Case illustrations: plain films and CT	62	MRI: case illustrations	223
3. Trauma radiology	96	Interventional procedures: case illustrations	233
Chest trauma: case illustrations	97	7. Ultrasound	250
Bunt abdominal and pelvic trauma: case illustrations	104	Introduction	251
4. The cervical spine	129	Ultrasound imaging: principles of image formation	251
Introduction: clearing the cervical spine	130	Applications of ultrasound for patients on intensive care units	255
Non-traumatic conditions affecting the cervical spine	142	Ultrasound guided procedures	259
Trauma of the cervical spine	155	Ultrasound guided procedures: <i>needle visualisation</i>	259
5. CT head	172	Ultrasound imaging: case illustrations	271
Principles of CT image formation and interpretation	173		
Principles of interpreting CT head	176		
Case illustrations	177		

Echocardiography for patients
on intensive care units
R. Orme and C. McKinstry 279

Ultrasound guided regional
anaesthesia
Julie Lewis and Barry Nicholls 287

Index 305