Emergency Radiology

Edited by

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and

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To my wife, Shafiqa and our beautiful kids, Neha and Kavin, you are my joy!
To my mother, father and brothers, for their endless love and support.

Mayil S. Krishnam

To Juliet and Matthew, for your constant love and encouragement, always – I dedicate my work to you both.
To my parents for their love.

John Curtis
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Foreword

This is a highly informative radiology pocket book dealing with general principles, instructions and techniques for procedures, use of contrast, analgesia, monitoring, interventional equipment and ‘pearls’ that summarize the essence of each chapter. Radiology, anatomy and pathology, pediatrics and adult radiology; they are all in one book. This is clearly written and a great bench book to have at hand for clinicians and radiologists to help decide on best practice for requesting imaging in and out of hours. It will be useful for registrars and consultants in all specialities. The pocket book is easy to read and is well worth owning.

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Preface

The principal aim of this pocket book is to provide a quick radiological reference in the vast array of medical and surgical emergencies encountered on-call. It aims to assist radiology residents and specialist registrars throughout the globe in accurately interpreting the various diagnostic images and investigations during emergency situations. It will also serve to improve the understanding of performing therapeutic and diagnostic interventional procedures that are commonly encountered during emergencies.

This book is intended to be a quick reference handbook in every radiology and A&E department globally. It covers a wide range of emergencies and specifically targets on-call radiologists and trainees who deal with these emergencies. We feel that this guide in emergency radiology will be very useful for all radiologists who want to regain or retain their skills and confidence in acute care imaging.

This book is primarily intended for radiology residents, registrars, junior attending physicians and consultants across the world. Radiologists in private practice may find this book useful to maintain their skills in a wide range of emergencies. The intended readership is not limited to radiologists but also includes medical students, radiology assistants, physicians, surgeons, ER doctors and radiographers who work closely with radiologists.

This book has numerous high-quality images of various radiological emergencies involving head, cardiovascular, chest, abdomen, pelvis and extremities. It also covers radiological emergencies in pediatrics and musculoskeletal imaging and in modalities such as fluoroscopy, ultrasound and MRI with depiction of corresponding high-resolution images. Under each diagnosis/topic in this book, there are technical notes which will assist on-call radiologists to provide a protocol for the study specific to the need of patients. In addition to salient radiological features, each topic in the book briefly mentions some useful tips and pitfalls under “pearls” and some helpful information on signs and symptoms under “clinical features,” which would assist the on-call radiologist especially when receiving calls out-of-hours.

This book will be very useful to trainees in the preparation of international radiology exams including FRCP, DMRD, ABR, MD (Radiodiagnosis) and also in the preparation of medical and surgical exams such as MRCP and MRCS.

We are grateful to various authors and contributors of this book for their excellent work to make a practical and useful survival guide for on-call radiologists. We also express our gratitude to Drs Barbara Kadell, Ines Boechat, Noriko Salamon, Antoinette Gomes, Nagesh Ragavendra, and Allen Cohen and Allison Louie (Research Assistant at UCI) for their excellent contributions to the book. Finally, we are greatly indebted to our families for their constant support and love throughout this process to complete this book successfully.

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