

Practice Single Best Answer Questions for the Final FRCA

A Revision Guide





978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal Frontmatter

More information

Practice Single Best Answer Questions for the Final FRCA

A Revision Guide

Edited by

Hozefa Ebrahim

Specialist Registrar, Queen Elizabeth Hospital, Birmingham, Associate Clinical Teaching Fellow, University Hospitals Birmingham, UK

Khalid Hasan

Consultant and College Tutor, Queen Elizabeth Hospital, Birmingham, UK

Mark Tindall

Consultant and College Tutor, Russells Hall Hospital, Birmingham, UK

Michael Clarke

Specialist Registrar, Queen Elizabeth Hospital, Birmingham, and Advanced Pain Fellow, University of Birmingham, UK

Natish Bindal

Consultant in the Department of Anaesthesia, and Consultant, Queen Elizabeth Hospital, Birmingham, UK



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal Frontmatter

More information

CAMBRIDGE UNIVERSITY PRESS

Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo, Delhi, Mexico City

Cambridge University Press The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org Information on this title: www.cambridge.org/9781107679924

© Cambridge University Press 2013

This publication is in copyright. Subject to statutory exception and to the provisions of relevant collective licensing agreements, no reproduction of any part may take place without the written permission of Cambridge University Press.

First published 2013

Printed and bound in the United Kingdom by the MPG Books Group

A catalogue record for this publication is available from the British Library

Library of Congress Cataloguing in Publication data
Practice single best answer questions for the final FRCA: a revision guide / edited by Hozefa Ebrahim . . . [et al.].

p.; cm.

Includes bibliographical references and index.

ISBN 978-1-107-67992-4 (pbk.)

I. Ebrahim, Hozefa.

[DNLM: 1. Anesthesia - methods - Examination Questions.

2. Anesthesia – adverse effects – Examination Questions. WO 218.2] 617.9'6076–dc23

2012013424

ISBN 978-1-107-67992-4 Paperback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs for external or third-party internet websites referred to in this publication, and does not guarantee that any content on such websites is, or will remain, accurate or appropriate.

Every effort has been made in preparing this book to provide accurate and up-to-date information which is in accord with accepted standards and practice at the time of publication. Although case histories are drawn from actual cases, every effort has been made to disguise the identities of the individuals involved. Nevertheless, the authors, editors and publishers can make no warranties that the information contained herein is totally free from error, not least because clinical standards are constantly changing through research and regulation. The authors, editors and publishers therefore disclaim all liability for direct or consequential damages resulting from the use of material contained in this book. Readers are strongly advised to pay careful attention to information provided by the manufacturer of any drugs or equipment that they plan to use.



Contents

List of contributors page vi
List of abbreviations viii
Classification of questions by topic xii
Foreword by Prof Hutton xv
Foreword by Prof Bion xvii
Introduction: angle of attack xix
Acknowledgements xxii

Paper A – Answers 10
Paper B – Questions 25
Paper B – Answers 34
Paper C – Questions 49
Paper C – Answers 58
Paper D – Questions 74
Paper D – Answers 83
Paper E – Questions 96
Paper E – Answers 104
Paper F – Questions 118
Paper F – Answers 127

Paper A – Questions 1

Paper G – Questions 142
Paper G – Answers 151
Paper H – Questions 165
Paper H – Answers 174
Paper J – Questions 188
Paper J – Answers 197
Paper K – Questions 212
Paper K – Answers 220

Index 235

978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal

More information

Principal contributors

Edward Copley

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Anna Pierson

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Richard Pierson

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Contributors

Michael Allan

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Natish Bindal

Consultant Anaesthetist Queen Elizabeth Hospital, Birmingham, UK

Catriona Bentley

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Hannah Church

Consultant Anaesthetist Queen Elizabeth Hospital, Birmingham, UK

Michael B Clarke

Advanced Pain Trainee Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Lloyd Craker

Consultant Anaesthetist North Staffordshire Hospital, UK

Nicholas Crombie

Consultant Anaesthetist Queen Elizabeth Hospital, Birmingham, UK

Neil H Crooks

Specialist Registrar in Anaesthesia and Intensive Care Medicine West Midlands Deanery, Birmingham, UK

Hozefa Ebrahim

Specialist Registrar in Anaesthesia and Intensive Care Medicine West Midlands Deanery, Birmingham, UK

Ian Ewington

Specialist Registrar in Anaesthesia and Intensive Care Medicine West Midlands Deanery, Birmingham, UK

James Geoghegan

Consultant Anaesthetist Queen Elizabeth Hospital, Birmingham, UK

Au-Chyun Nicole Goh

Clinical Fellow in Paediatric Intensive Care Medicine Birmingham Children's Hospital, UK

Andrew G Haldane

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Khalid Hasan

Consultant Anaesthetist and College Tutor Queen Elizabeth Hospital, Birmingham, UK

Max Simon Hodges

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal Frontmatter

More information

Principal contributors

Eric Hodgson

Chief Specialist Anaesthesiologist, Inkosi Albert Luthui Central Hospital Honorary Senior Lecturer, Nelson R Mandela School of Medicine, Durban, South Africa

Asim Iqbal

Clinical Fellow in Hepatobiliary Anaesthesia Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Paul Jeanrenaud

Consultant in Intensive Care Medicine and Anaesthesia Whiston Hospital, Merseyside, UK

Emily Johnson

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Deepak Joseph

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Michael McAlindon

Specialist Registrar in Anaesthesia and Intensive Care Medicine West Midlands Deanery, Birmingham, UK

Craig McGrath

Consultant Anaesthetist Queen Elizabeth Hospital, Birmingham, UK

Randeep Mullhi

Specialist Registrar in Anaesthesia and Intensive Care Medicine West Midlands Deanery, Birmingham, UK

Rebecca Paris

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Sachin Rastogi

Pain Fellow The Hospital for Sick Children, Toronto, Canada

Simon Smart

Consultant Anaesthetist Queen Elizabeth Hospital, Birmingham, UK

Insiya Susnerwalla

Specialty Trainee in Anaesthesia North Western Deanery, Manchester, UK

Alifia Tameem

Specialist Registrar in Anaesthesia West Midlands Deanery, Birmingham, UK

Mark Tindall

Consultant Anaesthetist Russells Hall Hospital, Dudley, UK

Laura Tulloch

Specialist Registrar in Anaesthesia and Intensive Care Medicine West Midlands Deanery, Birmingham, UK



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal

Frontmatter More information

Abbreviations

AAA abdominal aortic aneurysm AChR acetylcholine receptor ACT activated clotting time

ACTH adrenocorticotrophic hormone

ADH antidiuretic hormone

AIR anaesthesia-related rhabdomyolysis

AKI acute kidney injury

ALSG advanced life support group

ALI acute lung injury

APTT activated partial thromboplastin time ARDS acute respiratory distress syndrome

ARF acute renal failure
BMI body mass index
BMS bare metal stent
BP blood pressure

CABG coronary artery bypass graft
CAS central anticholinergic syndrome
CDH congenital diaphragmatic hernia
CDI Clostridium difficile infection

CK creatine kinase

CMRO₂ cerebral metabolic oxygen replacement

CNB central neuraxial block
CNS central nervous system

CO cardiac output
COHb carboxyhaemoglobin
CPB cardiopulmonary bypass
CPP chronic pelvic pain
CPSP chronic postsurgical pain
CRF chronic renal failure

CRPS complex regional pain syndrome

CSE combined spinal-epidural CSF cerebrospinal fluid

CT computerized tomography

CTPA computerized tomography pulmonary angiogram

CRT cardiac resynchronization therapy CSWS cerebral salt-wasting syndrome

CXR chest X-ray

DAPT dual antiplatelet therapy

DES drug-eluting stent
DI diabetes insipidus
DLT double lumen tube
DKA diabetic ketoacidosis

viii



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal Frontmatter

More information

List of abbreviations

DMD Duchenne's muscular dystrophy

DMSO dimethyl sulphoxide DVT deep vein thrombosis

ECMO extracorporeal membrane oxygenation

ECT electroconvulsive therapy

EPO erythropoietin

ERCP endoscopic retrograde cholangiopancreatography

ETT endotracheal tube

EVAR endovascular aortic aneurysm repair EVLWI extravascular lung water index FEV₁ forced expiratory volume in 1 second

FES fat embolism syndrome FFP fresh frozen plasma GA general anaesthetic

GABA gamma amino-butyric acid GBS Guillain–Barré syndrome GCS Glasgow coma score GFR glomerular filtration rate

GI gastrointestinal

HCAI healthcare-associated infection

HDU high-dependency unit

HFOV high-frequency oscillatory ventilation

HITT heparin-induced thrombotic thrombocytopenia

HLHS hypoplastic left heart syndrome

HR heart rate

IABP intra-aortic balloon pump

IBW ideal body weight

ICDSC intensive care delirium screening checklist

ICP intracranial pressure
ICS intraoperative cell salvage
ICU intensive care unit
ID internal diameter

INR international normalized ratio
LBBB left bundle branch block
LBW lean body weight
LMA laryngeal mask airway

LMWH low molecular weight heparin lower respiratory tract infection

LV left ventricle

MAC minimum alveolar concentration MAOI monoamine oxidase inhibitor MELD model for end-stage liver disease MEN multiple endocrine neoplasia

MG myasthenia gravis

MPM mortality prediction model

MR magnetic resonance



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal Frontmatter

More information

List of abbreviations

MRI magnetic resonance imaging
MVR mitral valve replacement
NCA nurse-controlled analgesia
NIBP non-invasive blood pressure
NPV negative predictive value

NSAID non-steroidal anti-inflammatory drug

OLV one-lung ventilation OSA obstructive sleep apnoea PA pulmonary artery

PAC pulmonary artery catheter

PAFC pulmonary artery flotation catheter

PCA patient-controlled analgesia

PCI percutaneous coronary intervention

PD Parkinson's disease

PDPH postdural puncture headache
PEEP positive end-expiratory pressure
PICU paediatric intensive care unit
POCD postoperative cognitive dysfunction
PONV postoperative nausea and vomiting

PPH postpartum haemorrhage PPV positive predictive value

PRIS propofol-related infusion syndrome

PT prothrombin time PTC post-tetanic count

PTE pulmonary thromboembolism

PVL-SA Panton-Valentine leukocidin-producing Staphylococcus aureus

RA right atrium

RASS Richmond Agitation Sedation Score

RSI rapid sequence induction

RV right ventricle

SAH subarachnoid haemorrhage SAPS simplified acute physiology score SBE subacute bacterial endocarditis

SIADH syndrome of inappropriate antidiuretic hormone

SJW St John's wort

SNRI serotonin and noradrenaline reuptake inhibitor

SSRI selective serotonin reuptake inhibitor

SUNCT short-lasting, unilateral neuralgiform headache transfusion-associated circulatory overload

TAP transversus abdominis plane
TBI traumatic brain injury
TBSA total body surface area
TBW total body weight
TCA tricyclic antidepressant
TCI target-controlled infusion
TEG thrombo-elastograph



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal Frontmatter

More information

List of abbreviations

TENS transcutaneous electrical nerve stimulation

TIVA total intravenous anaesthesia TLS tumour lysis syndrome TMJ temporomandibular joint

TOE transoesophageal echocardiogram

TOF train of four

TRALI transfusion-related acute lung injury

TSH thyroid stimulating hormone TTE transthoracic echocardiogram UFH unfractionated heparin

URTI upper respiratory tract infection vCJD variant Creutzfeldt–Jakob disease

VAE venous air embolism

VC vital capacity

VF ventricular fibrillation
VT ventricular tachycardia
VTE venous thromboembolism
vWF von Willebrand's factor
WP widespread pain index



Classification of questions by topic

Category					
Basic sciences	A23, B9	D2, D22	F16 K15		H22
Cardiac and thoracic anaesthesia and intensive care medicine	D25 B3, B4, B13, B20	E2, E8, E9, E10, E13	F7, F21 A28, C24	G28	H5, H7, H9 J25, J28
Burns and trauma	A12, B25	K3, K11			
Equipment and clinical measurement	D1, D5			G30	
General anaesthetic practice	A2, A3, A4, A5, A6, A25, A26, A27, A30	C2, C3, C4, C21, C26, C28, C29, C30, C1	F12, F18, F20, F22, F23, F25, F26, F28, F29, F30	G2, G3, G4, G17, G21, G23, G26, G27, G29	H4, H8, H11, H16, H26
	B11, B12, B14, B15, B18	E1, E3, E4, E6, E7, E11, E30	J2, J12, J13, J16, J17, J18, J22, J29, J30		K1, K16, K21, K24, K25, K27, K29, K30
	D3, D4, D23, D27, D28, D30				
Intensive care medicine	C5, C9, C13, C17, C7, C12, C15, C27, E24	D6, D14, D15, A1, A7, A9, A10, A11, A17, A19, A29, B1, B2, B5, B6, B7, B22, B26, B28, B30	F1, F4, F9	G5, G8, G11, G12, G13, G25	H1, H12, H17, H30
			J3, J7, J11, J23, J26		K2, K6, K9, K10, K14, K17, K24, K25
Liver anaesthesia and medicine	E19	F11	G14, G16	H18, K17, K21	J18



Classification of questions by topic

Category					
Neuro- anaesthesia and intensive care medicine		E28		H10, H14, H25, H28	J5, J8
Obstetric anaesthesia	D19, D23	E14, E18	F17	G18, G20, G22	H2, H6, H19 K18, K22, K26
	A20, A24		J4, J19, J27		
	B8, B17, C18, C22				NZU
Paediatric anaesthesia and intensive care medicine	D12, D16, D20, D24	E12, E17, E21, E26, E27	F5, F13, F14	G6, G9,	H3, H15, H20, H24
	A13, A16, A21			J9, J14, J20, J24	K7, K12, K19, K23, K28
	B16, B24 C10, C14, C19, C23				120
Acute and chronic pain management	D9, D13, D17, D21 A14, A18, A22	E5, E15, E16, E20, E25	F3, F6, F10, F15, F19	G7, G10, G15 J1, J6, J10, J14, J15,	H21, H23, H27 K8, K13, K20
	B10, B19, B27 C8, C11, C16, C20			J21	
Regional anaesthesia	D7 A8, B23, B29, C6, C25	E29	F2, F8	G19, G24	H29, K4, K5
Trauma and orthopaedics	D10, D11, D26	E23		G1	H13
Transplant surgery	D18	E22			
Vascular anaesthesia	D29		F24, F27		

xiii





Foreword

Since man has existed there has been a basic, innate human drive to help the sick and, whenever possible, to return them to health. Superimposed on this constancy of intent has been a steady and progressive improvement in the ways of managing illness. Anaesthesia and its related specialties of intensive care medicine and pain management have been instrumental in allowing these developments to occur. In so doing they too have had to meet and overcome new problems. These range from those posed by rapid recovery case anaesthesia via safer childbirth to the management of increasingly complex patients with reduced physiological reserves.

Through its Charter, the Royal College of Anaesthetists has a public responsibility to ensure that this clinical progress is not only maintained, but also that the knowledge to achieve it is both taught and examined. It is to the credit of the specialty that for many years it has led the way in preparing trainees and fellows for the task ahead. Over time, the College examinations have undergone huge changes: the ones I sat in the late 1970s were very different from those of today. Throughout, however, the college has maintained a constant theme of making the examinations fit for purpose in the context of current and future practice. Whilst frustrating the many who have had to cope with this change, the effect has been of enormous public benefit.

This book has been produced in response to the recent variation of educational strategy in the Final Examination: the introduction of the scenario-based single best answer question. For me its publication is welcome on two grounds. Firstly, there is no doubt it will help those preparing for the examination: the coverage goes across the whole syllabus, the clinical settings are relevant and it encourages learning based in the reality of the clinical environment. Secondly, it is a book generated and completed by the energy of young anaesthetists, both trainees and consultants. With such enthusiasm in the ranks, the future of the specialty looks bright.

I wish the book, its authors and all those who read it the very best of luck for the future.

Peter Hutton PhD, FRCA, FRCP, FInst Mech E, Consultant Anaesthetist and Hon Professor, UHB FT and University of Birmingham





Foreword

The requirement by the General Medical Council that assessments of specialist competence include reliable tests of knowledge has secured the position of multiple choice examinations as an essential component in postgraduate specialist examinations. The challenge for those creating MCQs and for candidates taking the examination is that this device does not readily permit expression of the nuances and complexities of everyday medical practice. The thinking that underpins the construction of MCQs and the 'correct answer' is therefore of considerable importance. This compendium of single best answer questions intended as revision for the FRCA examination achieves this task admirably by providing detailed answers to each set of questions, which were themselves derived from, and refined by, experienced senior anaesthetists as well as by those in training. The questions are broadranging, and are relevant to intensive care medicine as well as to the confines of the operating theatre. They are also a valuable educational resource for tutorials, and a tool for continuing professional development.

Julian Bion FRCP, FRCA, FICM, MD Professor of Intensive Care Medicine, and Dean of the UK Faculty of Intensive Care Medicine, Queen Elizabeth Hospital, University of Birmingham

xvii





978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal

More information

Introduction: angle of attack

Over the years, the FRCA examination has steadily evolved with many incremental changes that have resulted in a progressively more modern and fair test of knowledge. It has always been a rigorous examination in terms of depth and breadth, setting a high standard. The examination is embedded into the curriculum, with the primary and final being prerequisites for accessing intermediate and higher specialist training, respectively.

The oral examinations have moved towards a much more structured examination, where there is a pre-planned amount of material to cover. This has resulted in a more consistent examination that has greater validity and reliability. The wording and material of the MCQ examination have been continually updated to contain clearer and more concise language; older questions are continually modernized and occasionally removed from the college bank. Many mourn the loss of the negatively marked MCQ; however, this has all been to make the examination process fairer and more transparent.

The latest change to the Primary and Final FRCA is the introduction of the single best answer question. In the examination, 30 MCQ questions have been replaced by 30 Single Best Answer (SBA) questions.

The reason to use this book when preparing for the Final FRCA is that we believe this book offers the most realistic 'Final FRCA' experience. All the questions in this book have been written by practising anaesthetists with an interest in education and examination preparation. Each of these questions has then been carefully reviewed to ensure it is of the appropriate level for the FRCA and relevant to the syllabus.

The questions in this book have the appearance, construct and feel of a FRCA question. Unlike MCQs, there is a paucity of college questions in the public domain. This book will give the most life-like experience of the actual examination.

The MCQ can be used as a good test of knowledge, with a high degree of validity and reliability. However, this type of question can only test a small area of factual recall. It is more difficult to test understanding or application of that knowledge.

The SBA, however, allows for a deeper question that can require application of knowledge from a number of areas to allow the deduction of the correct answer. A realistic scenario can be created and varied in many ways, with multiple correct options then presented. It is up to the candidate then to select the best response.

When referring to Miller's triangle of clinical performance, multiple true–false (MTF) questions test the 'knows' and the properly constructed SBA will test the candidate's 'know how' and also 'show' level. It does this by allowing the setting of a scenario that may entail integrating knowledge from several domains and applying them to arrive at a best response.

In the SBA question all the responses will be correct; however, one will be the 'single best' response. This needs to be borne in mind when tackling such a question, and hence a good grounding with knowledge and clinical judgement is vital.

This type of question is already in use in undergraduate examinations and by the GMC in the assessment of poorly performing doctors. They also have a key role in overseas examinations such as FANZCA and US board examinations. An increasing number of UK-based examinations are incorporating these questions into their tests.

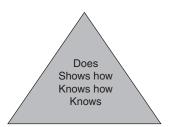
XİX



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal

More information

Introduction: angle of attack



Let's examine the anatomy of the SBA question.

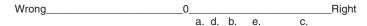
Firstly, there will be a description setting a scenario. It will contain all the vital information required to answer the question. This is not designed to mislead, or trick the candidate.

Secondly, there will be a question. The types of question are: What is the next most important treatment? What would you do next? Ideally, the question will ask a 'what next?' type rather than a negative response such as 'which is least likely?'.

Thirdly, in the FRCA SBA there are five responses. The candidate must choose the single best option. Currently, this is scored with four marks for a correct response and zero for an incorrect response.

If one were to draw a hypothetical line with incorrect options at one end and correct options at the other, then all the options will be at the 'correct' end of the line. Choosing the single best will require integrating knowledge and the use of clinical judgement.

The approach to answering the question should be structured to have the highest likelihood of success when choosing the answer. The incorrect options are termed distractors, and that perfectly describes their function.



Here option c. represents the best response.

If one imagines a hypothetical line that one 'sees' after a question: the responses can be placed on a line where 0 is neither right nor wrong with a 'wrong' end of the line and a 'right' end of the line. The answers in a SBA will not be wrong (as a statement in themselves), but could be wrong in the context of a question. Much more likely is that the responses will ALL be correct responses, but one will be better than the others.

The challenge is to pick the 'single best answer'. This type of question is designed to reward the knowledgeable candidate. Hence there is no substitute for gaining a good base knowledge. Beyond this, certain approaches will help to identify the correct response quickly.

The cover up

Initially, when reading the scenario, cover the answers. Read the scenario carefully and then read the question. Without revealing the options, think about the best answer to that question.

Once you have done that, uncover the options. If what you thought is in that list, then that is the answer. Mark it and move on.

XX



978-1-107-67992-4 - Practice Single Best Answer Questions for the Final FRCA: A Revision Guide Edited by Hozefa Ebrahim, Khalid Hasan, Mark Tindall, Michael Clarke and Natish Bindal Frontmatter

More information

Introduction: angle of attack

Discount the unlikely

If your answer is not amongst the options, then read all the options. You now need to start discounting the less likely options. It will help to re-read the scenario and question; then examine the options.

The easiest to discount will be statements that are untrue. A well-written SBA will try to avoid having this; nonetheless, some questions may have these and it should be straightforward for an informed candidate to discount them.

Protocols and guidelines make good material on which to base SBA questions. Often, the options will have distractors that contain elements that help with rejecting the incorrect responses, for example, an odd drug or dosing, incorrect next step or escalation of treatment. It is in these types of scenario that one needs to be familiar with standard UK practice.

Narrow the odds

Very occasionally even the most well-read candidate will come across a question that may be difficult to answer. In such situations a best guess may be needed. The chance of getting the correct answer can be improved by reducing the number of responses to guess from. There are often one or two options that may be relatively easily discounted, leaving one to guess from a pool of 2–3 statements rather than 5.

As in MCQ questions, look for statements such as 'always' or 'never'; or similar strong elements. These responses are rarely correct.

If one cannot narrow any of the options, then leave the question and move onto the rest of the paper. One may come across another question or a piece of information that helps you either to find the answer, or to narrow the options.

Ultimately, there is no substitute for a good background knowledge, based on strong basic science. In my experience the candidates who seem to struggle the most are those who, in their preparation for the FRCA, retreat completely into studying, neglecting the real clinical world where much of our knowledge is reinforced by clinical practice.

One's reading should include the RCOA's CEPD journal that accompanies the BJA. This is not just a rich source of quality information about the science and practice of anaesthesia, but is also a first port of call for examiners looking for inspiration to formulate questions for the FRCA. Likewise, protocols such as ALS, ATLS, BTS (asthma), ARDSnet and NICE provide rich sources for question writers.

After doing all the required reading and preparation, one must practise doing these types of question before sitting the exam for real. This book will offer the most realistic simulation of the SBA component to the correct standard in the Final FRCA.

Good luck, and study to aim for a first-time pass.

Khalid Hasan



Acknowledgements

We gratefully acknowledge Ed Copley, Richard Pierson, Anna Pierson and all the authors who contributed towards this book. Thank you for accommodating our constant requests for changes and improvements, and our many deadlines along the journey. It has been a pleasure working with you all.

A special thank you goes to Emily Johnson and Professor Peter Hutton for their advice on manoeuvring around the complex world of medical publications.

We express our sincere appreciation to Mrs Durriyah Ebrahim for her painstaking review of the entire manuscript; and all the recommendations for developments with grammar and layout.

Most of all, we must also thank our better halves; Tasneem, Tehseen, Charlotte and Marie for their patience and support during the writing of this book, and their ongoing encouragement for all our literary endeavours.

HE

xxii