

George Geroulakos
Bauer Sumpio
Editors

Vascular Surgery

Cases, Questions
and Commentaries

Third Edition



Springer

George Geroulakos • Bauer Sumpio
(Editors)

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X008825

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ISBN 978-1-84996-355-8 3rd edition e-ISBN 978-1-84996-356-5 3rd edition

ISBN 978-1-85233-963-0 2nd edition e-ISBN 978-1-84628-211-9 2nd edition

ISBN 978-1-85233-533-5 1st edition

DOI 10.1007/978-1-84996-356-5

Springer London Dordrecht Heidelberg New York

British Library Cataloguing in Publication Data

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

Library of Congress Control Number: 2010930072

© Springer-Verlag London Limited 2011

First published 2003

Second edition 2006

Third Edition 2011

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Cover design: eStudioCalamar, Figueres/Berlin

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

Dedicated to

The late Dr. Robert W. Hobson II

Co-editor of the 1st and 2nd edition of this book.

Humanitarian, charismatic surgeon, distinguished academic and role model for an entire generation of American vascular surgeons.

Dr. William Smead with profound gratitude for supporting me to become clinical vascular fellow at the Ohio State University Hospital.

Professor John Lumley (St Bartholomew's Hospital, London) and Professor Brian Hopkinson (University Hospital, Nottingham). Heartfelt gratitude to my mentors, friends and teachers.

George Geroulakos



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Barcelona, March 2006

Vascular Surgery is a discipline that deals with one of the true plagues of the 20th century. Moreover, atherothrombosis will continue to be the main cause of death in the near future.

New developments in the investigation, and endoluminal treatment of vascular disease have recently attracted significant publicity from the mass media and patient groups, and have significantly changed the management of the vascular patient.

The provision of a high quality vascular service is closely linked with the need to give residents an appropriate training and to further introduce Vascular Surgery as an outstanding specialty.

The book, "Vascular Surgery; Cases, Questions and Commentaries," by Mr. Geroulakos, Prof Hero van Urk and Dr. R W Hobson II, will indeed contribute to a better understanding of Vascular Surgery as a specialty that deals with the pathology of arteries, veins and lymphatics. The experience and the teaching capabilities of the authors are unquestionable.

This book, being so comprehensive, enhances the idea of considering Vascular Surgery as an independent entity from other specialties. Before achieving adequate competence to deal with the variety of cases shown in the book, the need for an appropriate training is obvious. Besides, the present text will help candidates to better prepare for the EBSQ-Vasc examination. The book utilises a time proven concept for teaching by questions and answers based on real problems, an essential part of CME. The book proposes learning following the Socratic method, by exercising our mind rather than reading told facts. On the other hand, it may improve our clinical practice and care of our vascular patients, as it incites Continuous Professional Development as a step forward in CME.

The European Board of Vascular Surgery congratulates the authors for their initiative and gladly endorses the book.

Marc Cairols
Secretary General
UEMS Section and Board of Vascular Surgery

Foreword to the First Edition

This book is rather unique among textbooks in vascular surgery. Most cover the surgical management of vascular diseases, in whole or in part, in standard textbook fashion, with the text organized to cover the topics methodically in a didactic manner, and supported by tables, illustrations and references. Others have special purposes, such as atlases on technique or algorithm based books on decision-making. All have their place, but if the educational goals are training of the young surgeon, self-assessment and continuing medical education for the practitioner or preparation for oral examination, this book fills a special need, and fills it very well by breaking away from the didactic approach.

It has long been recognized by educators that retention of knowledge, i.e. true learning, are much better achieved using the Socratic method of questions and answers, as opposed to simply reading or being told facts. In this book this approach is developed and presented in a very effective manner. In each "chapter," one is presented with a case report representing a real life scenario. The case reports-scenarios in this book together cover most of vascular surgery experience. Following the case report, one is presented with questions and answers based on various aspects of the case, forcing the reader to commit to an answer. Whether the answer is right or wrong is not critical, in fact getting a wrong answer may be more beneficial in terms of correcting knowledge and retaining information. The commentary and conclusions that follow analyze the choice of answers, correct and incorrect, and discuss them in concise, authoritative detail, many of which are truly "pearls of information." The conclusion then summarizes the current state of knowledge on the clinical issues under consideration. Numerous references are included. Together, these components constitute one of the most effective vehicles for self-education in vascular surgery today. Importantly, all aspects of management are covered: diagnostic evaluation and appropriate treatment, whether it is non-operative or interventional, endovascular or open surgery.

To accomplish their goals the editors have gathered together a large number of experienced contributors, many well-known for their special areas of interest within vascular surgery, reflected in the contributions they make to this book. As such, the book should be useful to future and practicing vascular surgeons all over the world. It is full of statements covering most of the current state of knowledge in vascular surgery, and it does so in an entertaining and effective manner.

Robert B. Rutherford

Preface to the First Edition

This book is a unique collection of real life case histories written by experts that highlight the diversity of problems that may be encountered in vascular surgery. Each case scenario is interrupted by several questions that aim to engage the reader in the management of the patient and to give him the opportunity to test his knowledge. The comments reflect to as much as possible the principles of evidence based medicine and provide the answers to the questions.

Several chapters are authored by individuals that contributed to the development of innovations in the management and prevention of vascular disease and are of interest for both the vascular trainee and the experienced vascular specialist.

The goal of this book is to help vascular trainees review for Board and other examinations as well as to provide vascular surgeons who wish to expand or refresh their knowledge with an update and interactive source of information relevant to case scenarios that could be encountered in their practice.

The European Boards in Vascular Surgery is a relatively new examination. Although the American Boards in Vascular Surgery were established many years earlier, there are no “dedicated” guides to cover the needs of these examinations. We hope that our book will provide a helpful hand that does not come from the standard text books, but directly from daily practice and therefore contains a high content of “how to do it” and “why we do it.” The references show the close relation between daily practice and “evidence based” practice, and we hope the two are not too different.

We would like to thank all the authors who have contributed generously their knowledge and time to this project.

George Geroulakos
Hero van Urk
Keith D. Calligaro
Robert W. Hobson II

Preface to the Second Edition

The author's principal objective of the first edition was the presentation of the principles of vascular and endovascular surgery through interactive real life clinical scenarios. The success of the first edition has been gratifying. We have received many suggestions for additions and changes from vascular trainees, specialists and teachers at various institutions in Europe, USA and other parts of the world. These comments have been well received and have been important in improving and expanding the second edition. We wish to acknowledge our appreciation and gratitude to our authors and publishers.

London
Rotterdam
New Jersey

George Geroulakos
Hero van Urk
Robert W. Hobson II

Preface to the Third Edition

The third edition updated most chapters that were focusing on the endovascular management of arterial and venous disease providing the reader with practical and updated, well referenced information on the full spectrum of options for the management of vascular disease. We are pleased to report the translation of the second edition of our book to Portuguese. We wish to express our thanks to our authors and publishers for their contribution to this project.

London
Yale, New Haven

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