An Introduction to Vascular Biology
Second edition

Vascular biology is an exciting and rapidly advancing area of medical research, with many new and emerging pathophysiological links to an increasing number of diseases. This updated and expanded new edition takes full account of these developments and conveys the basic science underlying a wide range of clinical conditions, including atherosclerosis, hypertension, diabetes and pregnancy. As with the first edition, the publication provides an introductory account of vascular biology before leading on to explain mechanisms involved in disease processes. Other emerging topics include the role of nitric oxide and apoptosis in vascular biology. The breadth and range of subjects covered in this new edition do full justice to this increasingly important area of clinical research and medicine. This multidisciplinary approach will suit the needs of all those who are new to the field or working in one small area, with a need to get the wider picture, and also for those seeking to refresh their knowledge with the very latest advances from basic science through to clinical practice.

Features of the new edition

- All chapters fully updated and expanded, including up-to-date references
- Includes several new clinical chapters
- Covers new and emerging areas of research
- Integrates basic science and clinical practice

Reviews of the first edition

'I recommend this book to those seeking an introductory overview into this exciting and rapidly burgeoning area. The authors provide an up-to-date interpretation of vascular biology and how this might relate to disease; the figures are excellent; and the references offer access to further sources of information.' JOURNAL OF THE ROYAL SOCIETY OF MEDICINE

'... it makes excellent reading ... for readers who are interested in gaining fundamental understanding of this critical area. I believe the book offers an excellent pathway towards this goal.' BRITISH JOURNAL OF SURGERY

'It is well written, with the correct balance of figures, tables and text, and also well referenced ... I warmly recommend it.' BIOMEDICAL SCIENCES
An Introduction to Vascular Biology
From basic science to clinical practice
SECOND EDITION

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Preface to Second Edition

The science of vascular biology has emerged and expanded rapidly over the past 25 years. Research in this area has increased understanding of a wide range of clinical conditions. This book provides a broad overview of the field for both specialist and newcomer to the field, and concise resource for the non-specialist. The multidisciplinary team of contributors covers topics ranging from normal and pathological aspects of endothelial cell function to the role of the vasculature in pregnancy, hypertension and atherosclerosis.

The authors have been selected for their ability to provide clear explanations of their area, resulting in an easily readable text with carefully produced illustrations. This second edition has allowed for increased clarity in presentation: the book has been divided into three sections, basic science, pathogenic mechanisms, and clinical practice. There is also inclusion of information on new and advancing areas in vascular biology including chapters on nitric oxide, apoptosis, imaging and pregnancy.

Beverley Hunt