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Nota di contenuto	Base Science -- Vascular tone / A. Hughes -- Vascular compliance / B. Kelly and Phillip Chowienczyk -- Flow-mediated responses in the circulation / L. Poston -- Neurohumoral regulation of vascular tone / Kirsty M. McCulloch and J.C. McGrath -- Angiogenesis: basic concepts and the application of gene therapy / John W. Quamby and A. Halliday -- The regulation of vascular smooth muscle cell apoptosis / N.J. McCarthy and M. Bennett -- Wound healing: laboratory investigation and modulating agents / N.L. Occleston, J.T. Daniels, and P.T. Khaw -- Pathophysiology: Mechanisms and Imaging -- Genes for hypertension / M.J. Caulfield, J. Knight, S. O'Shea, G. Gardner, and P. Munroe -- The endothelium in health and disease / B.J. Hunt and J.M. Jurd -- Nitric

oxide / N. Chan and P. Vallance -- Magnetic resonance imaging in vascular biology / Alan Moody -- Clinical Practice -- Vascular biology of hypertension / M. Schachter -- Atherosclerosis / James H.F. Rudd and Peter Weissberg -- Abdominal aortic aneurysm / Janet Powell -- The vasculature in diabetes / John Tooke, Kah Lay Goh and Angela C. Shore -- The vasculitides / Peter Hewins and Caroline O.S. Savage -- Pulmonary hypertension / T. Higgenbottam and Helen Marriott -- Role of endothelium cells in transplant rejection / M. Rose -- Vascular function in normal pregnancy and preeclampsia / Lucilla Poston and David Williams.

Sommario/riassunto

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 seeking to refresh their knowledge with the very latest advances from basic science through to clinical practice.
