

Contents

The Endothelium as a Regulator of Vascular Tone and Growth 1
T. F. LÜSCHER and G. NOLL

Effects of Physical and Pharmacological Interventions
on Circulating Endothelin-1 Levels in Humans 25
A. MORGANTI, F. GHIO, and G. GAZZANO

The Role of Endothelin in Congestive Heart Failure 33
A. L. CLAVELL and J. C. BURNETT, Jr.

Endothelin as a Regulator of Vascular Tone in Man:
Studies in Upper Limb Resistance and Capacitance Vessels 43
D. J. WEBB, W. G. HAYNES, and C. J. FERRO

Systemic and Endocrine Effects of Endothelin in Humans 57
H. VIERHAPPER

Endothelin in Hypertension and Vascular Hypertrophy:
Experimental Studies 66
E. L. SCHIFFRIN

Role of Endogenous Endothelin in Myocardial Ischemia
and Nitric Oxide-Deficient Hypertension 74
V. RICHARD, M. HOGIE, and C. THUILLEZ

Endothelin and Renal Function: From Theory to Therapy 84
T. J. RABELINK and P. MORRISON

The Endothelium and the Pathogenesis of Chronic Vascular Diseases:
The Protective Role of Calcium Antagonists 97
H. HALLER

Insulin and the Regulation of the Cardiovascular System:
Role of the L-arginine Nitric Oxide Pathway
and the Sympathetic Nervous System 108
U. SCHERRER

Endothelin Receptor Antagonists as New Tools to Inhibit Endothelin induced Vasoconstriction in Humans: Comparison with Calcium Channel Blockers . .	129
R. R. WENZEL and T. F. LÜSCHER	
Endothelial Dysfunction: Clinical Applicability of Calcium Antagonist Drugs . .	148
H. L. ELLIOTT	
Endothelin in Hypertension and Diabetes Mellitus	157
A. FERNANDEZ-CRUZ, R. PATIÑO, J. IBARRA, L. FERNANDEZ, M. ROLDAN, J. MOYA, and R. FERNANDEZ-DURANGO	
Endothelium-Dependent Vasodilation in the Peripheral Circulation in Humans In Vivo: Effects of Hypertension and Aging	171
S. TADDEI and A. SALVETTI	
Endothelin and Pulmonary Hypertension	184
D. J. STEWART and D. LANGLEBEN	
Subject Index	195