An International Symposium, Held in Honor of Che Su, PhD Springfield, Ill., April 12-13, 1986
15 figures, 5 tables, 1987
S. Karger · Medical and Scientific Publishers
Basel · München · Paris · London · New York · New Delhi · Singapore · Tokyo · Sydney

Drug Dosage
The authors and the publisher have exerted every effort to ensure that drug selection and dosage set forth in this text are in accord with current recommendations and practice at the time of publication. However, in view of ongoing research, changes in government regulations, and the constant flow of information relating to drug therapy and drug reactions, the reader is urged to check the package insert for each drug for any change in indications and dosage and for added warnings and precautions. This is particularly important when the recommended agent is a new and/or infrequently employed drug.

All rights reserved.
No part of this publication may be translated into other languages, reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, recording, microcopying, or by any information storage and retrieval system, without permission in writing from the publisher or, in the case of photocopying, direct payment of a specified fee to the Copyright Clearance Center (see ‘Information for Readers and Subscribers’).
© Copyright 1987 by
S. Karger AG, P.O. Box, CH-4009 Basel (Switzerland) Printed in Switzerland by Thürr AG Offsetdruck, Pratteln ISBN 3-8055-4604-1

Contents
Preface
Lee, T.J.-F 92
Alterations in the Release of Norepinephrine at the Vascular Neuroeffector Junction in Hypertension
Westfall, T.C.; Meldrum, M.J.; Carpentier, S.; Naes, L.; Zhang, S.-Q 94
Is Presynaptic Modulation of Norepinephrine Release Altered in the Mesenteric Vasculature of Adult Spontaneously Hypertensive
Rats?
Cline, W.H., Jr.; Yamamoto, R  100

Unique Vasoconstriction of Okadaic Acid
Isolated from Black Sponge, Independent of
Extracellular Ca$^{2+}$
Shibata, S  104
Membrane Potential and Vascular Smooth
Muscle Sensitivity. A Minireview
Fleming, W.W  108
Influence of Age on Vascular Adrenergic
Responsiveness
Duckies, S.P  113
A Possible Role of Thromboxane A$_2$ in Endo-
thelium in Maintaining Resting Tone and
Producing Contractile Response to Acetyl-
choline and Arachidonic Acid in Canine
Cerebral Arteries
Shirahase, H.; Fujiwara, M.; Usui, H.;
Kurahashi, K  117
Actions of Parathyroid Hormone in the Cardio
vascular System
Nickols, G.A  120
Release of Endogenous ATP from Rat Caudal
Artery
Westfall, D.P.; Sedaa, K.; Bjur, R.A  125
Modulation of Vascular Tone by Atrial Natri-
uretic Factor
Winquist, R.J  128
Altered Endothelial Modulation of Vascular
Tone in Aging and Hypertension
Lee, T.J.-F.; Shirasaki, Y.; Nickols, G.A  132
Some Implications of the High Intrasympathetic
Norepinephrine Concentrations in Resis-
tance Arteries
Bevan, J.A.; Laher, I.; Rowan, R  137
Endothelium-Dependent Contractions in
Arteries and Veins
Vanhoutte, P.M  141
Evidence for Endothelium-Dependent Vaso-dilation of Resistance Vessels by Acetyl-choline
Furchgott, R.F.; Carvalho, M.H.; Khan, M.T.;
Matsunaga, K  145
Endothelium-Dependent Relaxation by Uridine Tri- and Diphosphate in Isolated Human Pial
Vessels
Hardebo, J.E.; Kährström, J.; Owman, C;
Salford, L.G  150
Local Control of Blood Pressure by Purines