

Preface

Suzuki, H.; Saruta, T.

An Overview of Blood Pressure Regulation Associated with the Kidney

Suzuki, H.; Saruta, T.

Salt, Blood Pressure, and Kidney

Fujita, T.; Ando, K.

Involvement of Renal Sympathetic Nerve in Pathogenesis of Hypertension

Kumagai, H.; Onami, T.; Iigaya, K.; Takimoto, C.; Imai, M.; Matsuura, T.; Sakata, K.; Oshima, N.; Hayashi, K.; Saruta, T.

Blood Pressure Regulation and Renal Microcirculation

Takenaka, T.; Hayashi, K.; Ikenaga, H.

Role of Renal Eicosanoids in the Control of Intraglomerular and Systemic Blood Pressure during Development of Hypertension

Arima, S.; Ito, S.

Novel Aspects of the Renal Renin-Angiotensin System: Angiotensin-(1-7), ACE2 and Blood Pressure Regulation

Chappell, M.C.; Modrall, J.G.; Diz, D.I.; Ferrario, C.M.

Role of Aldosterone Blockade in the Management of Hypertension and Cardiovascular Disease

Epstein, M.

Clinical Implications of Blockade of the Renin-Angiotensin System in Management of Hypertension

Chua, D.Y.; Bakris, G.L.

Renal Renin-Angiotensin System

Ichihara, A.; Kobori, H.; Nishiyama, A.; Navar, L.G.

Kidney and Blood Pressure Regulation

Kalil, R.S.; Hunsicker, L.G.

Clinical Strategy for the Treatment of Hypertension in Non-Diabetic and Diabetic Nephropathy in Japan

Kanno, Y.; Okada, H.; Nakamoto, H.; Suzuki, H.

Angiotensin Type 1 Receptor Blockers in Chronic Kidney Disease

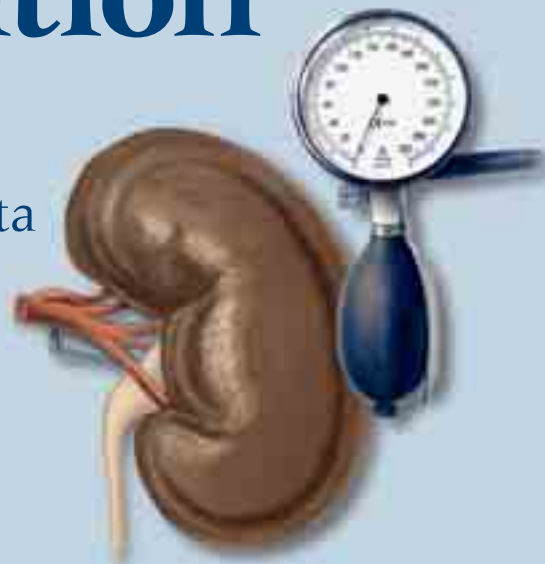
Suzuki, H.

Fields of Interest: Nephrology, Cardiovascular System, Pharmacology, Internal Medicine, Cell Biology, Pharmacology

Kidney and Blood Pressure Regulation

Editors

H. Suzuki, T. Saruta



Chronic kidney disease is one of the world's major public health problems, and the prevalence of kidney failure is rising steadily. Among the risk factors for a faster progression of renal disease are hypertension and proteinuria, many studies clearly demonstrating that hypertension is both a cause and consequence of chronic kidney disease. Namely, renal blood pressure regulation seems to be involved in five major pathophysiological mechanisms (all closely related to the renin-angiotensin system): Pressure-natriuresis, renal sympathetic nervous system, renal blood flow, intraglomerular pressure and tubuloglomerular feedback. This book reviews experimental data which form the basis of our current understanding of the association between hypertension and kidney diseases: The pathogenesis of increased blood pressure, the mechanisms by which systemic hypertension promotes progressive kidney failure, and the impact of antihypertensive agents on experimental renal mechanisms involved in hypertension. Furthermore, the role of angiotensin II receptor blockers in both the control of systemic blood pressure and the reduction of proteinuria is examined in an attempt to define optimal therapeutic strategies to prevent the otherwise inexorable deterioration of renal function in patients with chronic kidney disease.

Contributions to Nephrology, Vol. 143

Kidney and Blood Pressure Regulation

Editors: Suzuki, H. (Saitama); Saruta, T. (Tokyo)

VIII + 172 p., 37 fig., 8 tab., hard cover, 2004

CHF 228.-/EUR 163.-/USD 207.25

Prices subject to change

EUR price for Germany, USD price for USA only

ISBN 3-8055-7751-6

Distributed in Japan exclusively by Igaku Shoin Ltd., Tokyo

KARGER

Contributions to Nephrology

Series Editor: Ronco, C. (Vicenza)
ISSN 0302-5144

'... an invaluable collection on the nephrologist's personal bookshelf.'

Journal of the Royal Society of Medicine

'Together, they form an excellent library.'

Journal of Medical Genetics

Previous Volumes

Vol. 142

Hemodialysis Vascular Access and Peritoneal Dialysis Access

Editors: Ronco, C. (Vicenza); Levin, N.W. (New York, N.Y.)
XII + 472 p., 131 fig., 24 in color, 24 tab., hard cover, 2004
CHF 286.-/EUR 204.50/USD 248.75
ISBN 3-8055-7651-X

Vol. 141

Proteomics in Nephrology

Editors: Thongboonkerd, V. (Louisville, Ky.); Klein, J.B. (Louisville, Ky.)
VIII + 336 p., 76 fig., 19 in color, 21 tab., hard cover, 2004
CHF 228.-/EUR 163.-/USD 198.25
ISBN 3-8055-7636-6

Vol. 140

Peritoneal Dialysis Today

Editors: Ronco, C.; Dell'Aquila, R.; Rodighiero, M.P. (Vicenza)
X + 328 p., 40 fig., 2 in color, 32 tab., hard cover, 2003
CHF 228.-/EUR 163.-/USD 198.25
ISBN 3-8055-7581-5

Vol. 139

Renal Fibrosis

Editors: Razzaque, M.S. (Boston, Mass.); Taguchi, T. (Nagasaki)
X + 212 p., 39 fig., 2 in color, 11 tab., hard cover, 2003
CHF 228.-/EUR 163.-/USD 198.25
ISBN 3-8055-7568-8

Prices subject to change
EUR price for Germany, USD price for USA only

Distributed in Japan exclusively by Igaku Shoin Ltd., Tokyo

Order Form

Contributions to Nephrology

Please send:

__ copy/ies: Vol. 143
Kidney and Blood Pressure Regulation
CHF 228.-/EUR 163.-/USD 207.25
ISBN 3-8055-7751-6

__ copy/ies: Vol. ____
ISBN 3-8055-_____

The book series **Contributions to Nephrology** on continuation beginning with vol. ____

All Karger series are available on continuation. Each new title will be sent upon publication until order is countermanded.

Postage and handling free with prepayment

For easy ordering or information about other Karger publications, log on to:
www.karger.com

Payment:

Check enclosed Please bill me
 Please charge this order to my credit card
 American Express Diners Visa
 Eurocard Mastercard

Card No.: _____

Exp. date: _____

Name/Address (please print): _____

Date: _____

Signature: _____

Orders can be placed at agencies, bookstores, directly with the publisher, or with any Karger distributor.

S. Karger AG
P.O. Box, 4009 Basel (Switzerland)
Fax +41 61 306 12 34, E-Mail orders@karger.ch

USA: S. Karger Publishers, Inc., 26 West Avon Road, P.O. Box 529, Farmington, CT 06085 (USA)
Toll free: 1-800-828-5479

Germany: S. Karger GmbH, Lörracher Str. 16A, 79115 Freiburg (Germany)

France: Librairie Lugubühl, 36, bd de Latour-Maubourg, 75007 Paris (France)

United Kingdom, Ireland: S. Karger AG, 4 Rickett Street, London SW6 1RU (United Kingdom)

Baltic States: Discripta OÜ, Viru St. 6, 10140 Tallinn (Estonia)

Gulf Council Countries, Iran, Middle East, North Africa, Turkey: Trans Middle East Internat. Distribution Co. Ltd., KaSha, P.O. Box 2376 Telaa' Al-Ali, Amman 11953 (Jordan)

ASEAN countries, Hong Kong, Taiwan, South Korea: APAC Publishers Services Pte. Ltd., 70, Bendemeer Road, #05-03 Hiap Huat House, Singapore 339 940 (Singapore)

India, Bangladesh, Sri Lanka: Panther Publishers Private Ltd., 33, First Main, Koramangala First Block, Bangalore 560 034 (India)

Japan: Igaku Shoin Ltd., Foreign Publications Department, 3-24-17 Hongo, Bunkyo-ku, Tokyo 113-8719

Australia: DA Information Services, 648 Whitehorse Road, P.O. Box 163, Mitcham, Vic. 3132 (Australia)



KARGER

www.karger.com/conep