Contents, Vol. 11, 1974

S. Karger · Basel · München · Paris · London · New York · Sydney
S. Karger · Basel · München · Paris · London · New York · Sydney Arnold-Böcklin-Strasse 25,
CH-4011 Basel (Switzerland)
All rights, including that of translation into other languages, reserved.
Photomechanic reproduction (photocopy, microcopy) of this volume or parts thereof
without special permission of the publishers is prohibited.
© Copyright 1974 by S. Karger AG, Verlag für Medizin und Naturwissenschaften, Basel Printed
in Switzerland by Buchdruckerei Friedrich Reinhardt AG, Basel
Contents
No. 1-2
Preface 1
Mechanisms in Brain Vessels 2
Research Papers
and Volume Changes during Contractile Activity 32
Brandão, F. and Guimarães, S. (Porto): Inactivation of Endogenous Noradrenaline
Released by Electrical Stimulation in vitro of Dog Saphenous Vein 45
Bolton, T. B. (Oxford): Electrical Properties and Constants of Longitudinal Muscle
from the Avian Anterior Mesenteric Artery 65
Robie, N. W.; Goetter, W. E., and Goldberg, L. I. (Atlanta, Ga.): Systemic and Renal Hemodynamic Effects of Dopamine and Prostaglandin A alone and in Combination 86
Case Report
Deutsch, V.; Adar, R.; Bogokowsky, H.; Itzchak, Y., and Mozës, M. (Tel Hashomer): Diversion of the Hepatic Arterial Flow into the Portal Vein in the Budd-Chiari Syndrome 96
No. 3

Paddle, B. M. and Burnstock, G. (Parkville, Vic.): Release of ATP from Perfused Heart during Coronary Vasodilatation 110

Uvelius, B. and Johansson, B. (Lund): Relation between Extracellular Potassium Ion Concentration and Contracture Force after Abolition of Spike Discharge in Isolated Rat Portal Vein 120


IV

Index

Finch, L. and Haeusler, G. (Basel): Vascular Resistance and Reactivity in Hypertensive Rats 145

Schrold, J. and Nedergaard, O. A. (Odense): Effect of Tropolone on Vascular Sympathetic Neuroeffector Transmission 159


Book Review 191

Varia 192

No. 4

Fleisch, J. H. (Bethesda, Md.): Pharmacology of the Aorta. A Brief Review 193


Brief Communication

Bevan, J. A.; Bevan, R. D.; Pegram, B. L.; Purdy, R. E., and Su, C. (Los Angeles, Calif.): Increased Responsiveness of Veins to Adrenergic Stimulation in Experimental Hypertension 241

No. 5-6

Uvelius, B.; Sigurdsson, S. B., and Johansson, B. (Lund): Strontium and Barium as Substitutes for Calcium in Electrical and Mechanical Activity in Rat Portal Vein 245

Baez, S.; Laidlaw, Z., and Orkin, L. R. (Bronx, N.Y.): Localization and Measurement of Microvascular and Microcirculatory Responses to Venous Pressure Elevation in the Rat 260

Mrwa, U.; Achtig, I., and Rüegg, J. C. (Heidelberg): Influences of Calcium Concentration and pH on the Tension Development and ATPase Activity of the Arterial Actomyosin Contractile System 277