S. Karger · Medical and Scientific Publishers · Basel · München · Paris · London · New York · 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.
S. Karger AG, P.O. Box, CH-4009 Basel (Switzerland) Printed in Switzerland by Thürl AG Offsetdruck, Pratteln

Contents Vol. 25, 1982

No. 1 Original Paper

Catatonic Behavior Induced by Haloperidol, Increased by Retesting and Elicited without Drug in Rats
Sousa Moreira, L.F. de; Pinheiro, M. da C.C.; Masur, J  1

Perfusion of the Fourth Cerebral Ventricle with the Synthetic Opioid Peptide, FK 33-824, Induces Dose-Related Bradycardia and Naloxone-Reversible Respiratory Depression in the Awake Dog
Freye, E.; Hartung, E.; Schenk, G.K  6

3H-Codeine Binding in the Guinea Pig Lower Brain Stem
Chau, T.T.; Carter, F.E.; Harris, L.S  12

Effects of Tertiary and Quaternary Derivatives of Aminomethylenedioxyindenes on the Mechanical and Electrical Activity of Isolated Guinea Pig Atria
Lynch, J.J.; Rahwan, R.G.; Witiak, D.T  18

Study of Prostaglandins E1 and F2a on Isolated Mammalian Cardiac Tissue
Posner, P.; Lambert, C.R  26

Effects of Oral Atenolol and Propranolol on Blood Pressure, Heart Rate and Plasma Cyclic
Adenosine 3':5'-Monophosphate in Borderline Hypertensive Patients
Pharmacological Effects of Peptides on Tracheal Smooth Muscle
Mizrahi, J.; Couture, R.; Caranikas, S.; Regoli, D 39
Evidence for Nonlinear Pharmacokinetics of Methotrexate in the Rat
Scheufler, E 51
Propylthiouracil Disposition in Pregnant and Post-Partum Women
Shat, D.S.; Abu-Bakare, A.; Gardiner, R.J 57
No. 2 Current Review
Drugs Increasing Gastrointestinal Motility
Kilbinger, H.; Weihrauch, T.R 61
Original Paper
Effect of in vivo Increase of Free Fatty Acids on Human Plasma Protein Binding of Furosemide
Colombo, R.; Pinelli, A 73
Effects of 6-Hydroxydopamine Pretreatment on in vivo Femoral Arterial Responses to Vasodilator Agents
Cauvin, C; Devia, C; Kirkendol, P 82
IV Contents
Effect of Sulfinpyrazone on the Metabolism of Arachidonic Acid in Isolated Hamster Lungs
Uotila, P.’ 91
Effects of Carbocromene on Ventricular Fibrillation during Acute Myocardial Ischemia in Anesthetized Dogs
Fiedler, V.B.; Schneider, S.; Nitz, R.-E 96
Appearance of Extrapyramidal Symptoms: Interaction between Neuroleptics and Other CNS Active Drugs
Fregnan, G.B.; Vidali, M 102
Antagonism of Caffeine-Facilitated Conflict-Induced Behavior by Depressants in Cats
Yen-Koo, H.C.Y.; Krop, S.; Mendez, H.C 111
Short Communication
Amunine (Ovine CRF), Urotensin I and Sauvagine, Three Structurally-Related Peptides, Produce Selective Dilation of the Mesenteric Circulation
No. 3 Original Paper
Caerulein and Morphine: an Attempt to Differentiate Their Antinociceptive Effects
Zetler, G 121
Dose-Dependent Kinetics of Aminopyrine Metabolism in the Rat Caused by Product Inhibition and Determined by Capillary GLC
Bast, A.; Scheefhals, L.W.C.; Noordhoek, J 130
Free Radical Damage to Sarcoplasmic Reticulum of Masseter Muscle by Arachidonic Acid and Prostaglandin G2
Okabe, E.; Hiyama, E.; Oyama, M.; Odajima, C; Ito, H.; Cho, Y.W 138
Effects of Prostaglandin E2 and Cholinergic Drugs on Intraocular Pressure
Golubovic, S.; Radmanovic, B.Z 149
Anticonvulsant Potency of Unmetabolized Diazepam
Frey, H.-H.; Löscher, W  154
Effect of Theophylline on Thyroid Status in the Rat
Scammell, J.G.; Fregly, M.J  160
Response of Mouse Liver Tumor Cells to the Differentiation-Inducing Agent Dimethylsulfoxide
Higgins, P.J  170
No. 4  Original Paper
Digoxin-Quinidine Interaction in Unanesthetized Guinea Pigs
Geiger, J.D.; Das, G.; Parmar, S.S  177
Histamine $\beta$ Receptor Subtypes in the Guinea Pig Right Atrium
Palaoglu, O.; Soydan, S.; Bökesoy, T.A  183
Receptor Interactions of Imidazolines. XI. Alpha-Adrenergic and Antihypertensive Effects of Clonidine and Its Methylene-Bridged Analog, St 1913
Contents
Trimethadione as a Model Drug for the Evaluation of Hepatic Drug-Metabolizing Capacity in Normal and \(\alpha\)-Naphthylisothiocyanate-Intoxicated Rats
Tanaka, E.; Kinoshita, H.; Yoshida, T.; Kuroiwa, Y  202
Membrane Stabilization and Inhibition of Lipid Peroxidation by Anti-Inflammatory Indoles
Kaur, S.; Ali, B  210
Ethylene Oxide Induced Sister Chromatid Exchange in Human Lymphocytes Using a Membrane Dosimetry System
Garry, V.F.; Opp, C.W.; Wiencke, J.K.; Lakatua, D  214
Effect of CSF Dilution on the Blood Pressure of Rats with Renal Hypertension
Maggio, W.W.; Barbella, Y.R.; Keil, L.C.; Severs, W.B  222
Cortical-Evoked Potentials and Saliva Levels as Basis for the Comparison of Pure Analgesics to Analgesic Combinations
Derendorf, H.; Drehsen, G.; Rohdewald, P  227
No. 5  Original Paper
Effect of Various Xenobiotics and Steroids on Aryl Hydrocarbon Hydroxylase Activity of Intestinal and Hepatic Microsomes from Male Rats
Stohs, S.J.; Wu, C.L.J  237
D-600 and the Membrane Stabilizing Effect of Calcium in Vascular Smooth Muscle
Webb, R.C  250
Relaxant Effects of Amrinone upon Pulmonary Smooth Muscle
Mielenz, Z.E.; Buck, D.C  262
Effects of Doxorubicin (Adriamycin) on Systemic Hemodynamics and Myocardial Blood Flow
Rabkin, S.W.; Ohmac, M  272
Effect of Colchicine on the Electrophysiological Properties of the Toad Sciatic-Gastrocnemius Preparations in vivo
Sáez, J.C.; Norris, B.; Concha, J  278
Interaction of Ouabain and Propranolol in the Central Nervous System. Neurally-Mediated Effects on the Cardiovascular System
Sivaram, S.P.; Seth, S.D.; Nayar, U.; Manchanda, S.C.

Short Communication

Opiate Tolerance/Dependence in the Isolated Guinea Pig Ileum Is Associated with an
Increased Sensitivity to Acetylcholine
Kramer, W.; Steigemann, N.

No. 6 Original Paper

Serum Bromine Levels in Psoriasis
Robberecht, H.; Van Grieken, R.

Body Temperature Response to Cocaine and Diazepam in Morphine-Treated Rats
Wiechman, B.E.; Spratto, G.R.

VI Contents

Effects of Peptides and Amines on Isolated Guinea Pig Tracheae as Influenced by Inhibitors
of the Metabolism of Arachidonic Acid
Mizrahi, J.; D’Orléans-Juste, P.; Caranikas, S.; Regoli, D.

Pharmacological Studies on the Action of Relaxin upon KCl-Contracted Rat Uterus
St-Louis, J.

Cholinergic Muscarinic Effects on Insulin Release in Mice
Lundquist, I.

Author Index

Subject Index

Suppl. 1 Fenbufen

Proceedings of the Fenbufen Workshop.

15th International Congress of Rheumatology, Paris, June 1981