
Archives Internationales d’Anatomie, d’Histologie, d’Embryologie et de Cytologie
Internationales Archiv für Anatomie, Histologie, Embryologie und Zellforschung
Founded 1945 by R. Chambers, G. Glimstedt, T. Peterfi and G. Wolf-Heidegger
Editors-in-Chief
W. Lierse, Hamburg
R. O’Rahilly, Davis, Calif.
Honorary Editor
G. Wolf-Heidegger, Basel
Editorial Board
F. Beck, Leicester
N. Björkman, Copenhagen
F. Bojsen-Møller, Copenhagen
O. Bucher, Lausanne
A. Delmas, Paris
R. Hassler, Frankfurt/Main
H. Kern, Marburg
J.G. Koritké, Strasbourg
K.S. Ludwig, Basel
H. Moe, Copenhagen
W. Platzer, Innsbruck
Y. Sano, Kyoto
R.K. Schenk, Bern
H.G. Schwarzacher, Wien
J. Staubesand, Freiburg i.Br.
H. Tuchmann-Duplessis, Paris
E. van der Zypen, Bern
Advisory Board
R. Amprino, Bari
G. Boehm, Basel
B.D. Chaurasia, Gwalior
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
Basler Druck- und Verlagsanstalt, Basel (Switzerland)
Index Vol. 116, 1983
No. 1 Annular Gap Junctions of the Equine Hoof Wall
Leach, D.; Oliphant, L  1
Clearance of Materials from Breakdown of Uterine Collagen in Mice during Postpartum Involution
Shimizu, K.; Furuya, T.; Takeo, Y.; Shirama, K.; Maekawa, K  10
Development of Muscles in the Dorsal Foreleg of Rat Embryos. A Light Microscopic Study with the in situ Cholinesterase Staining Technique
Bogusch, G  14
The Mesencephalic Root Fibers of the Trigeminal Nerve in the Dog
Ryu, K.; Watanabe, K.; Kawana, E  26
Pattern of Membranous and Chondral Bone Growth. A Roentgen Stereophotogrammetric Analysis in the Rabbit
Alberius, P  37
Mechanisms of Development of Prolactin-Induced Adenomyosis in Mice
Mori, T.; Nagasawa, H  46
Blood Vessels of the Bovine Chorioidea. A Scanning Electron Microscopic Study
Kohler, T.; Leiser, R  55
Crystal Growth in Matrix Vesicles of Permanent Tooth Germs in Kittens
Hayashi, Y  62
Development of the Human Fetal Auditory Cortex: Growth of Afferent Fibres
Krmpotic-Nemanic, J.; Kostovic, I.; Kelovic, Z.; Nemanic, D.; Mrzljak, L  69
Morphology and Permeability of Junctional Complexes in Maturing Ameloblasts of Rat Incisors
Sasaki, T.; Higashi, S.; Tachikawa, T.; Yoshiki, S  74
Nerve Sheaths in the Leptomeningeal Connective Tissue
Krah, V  84
Three-Dimensional Measurements of the Occlusal Surface of Upper First Molars in a Modern Japanese Population
Kanazawa, E.; Sekikawa, M.; Ozaki, T  90
No. 2 Occurrence of APUD-Type Cells in the Ciliated Cyst of the Parathyroid Gland of Ozone-Exposed Dogs
Pemsingh, R.S.; Atwal, O.S  97
Elastica-Positive Material in the Atrial Endocardium. Light and Electron Microscopic Identification
Klein, W.; Böck, P  106
IV
Index
Rasterelektronenmikroskopische Untersuchung des hyalinen Gelenkknorpels
Stofft, E.; Graf, J  114
Light and Electron Microscopy of Cells in Pig Colostrum, Milk and Involution Secretion
Lee, C.S.; McCauley, I.; Hartmann, P.E  126
Spermatogenesis in the Non-Scrotal Bat – Rhinopoma kinneari Wroughton (Microchiroptera: Mammalia)
Singwi, M.S.; Lall, S.B  136
Localization of Alkaline Phosphatase and NADH Diaphorase in the Principal Cells of the Guinea Pig Epididymis
Adams, C.S  146
Analysis of Vertebral Muscle Obtained during Surgery for Correction of a Lumbar Disc Disorder
Ford, D.; Bagnall, K.M.; McFadden, K.D.; Greenhill, B.; Raso, J  152
Zum Ossifikationsprinzip des Kehlkopfskeletts von Mensch und Säugetieren. Vergleichende anatomische Untersuchungen
Glass, W. von; Pesch, H.-J  158
A Time-Dependent Distribution Pattern of Ploidy Classes in Adult Rat Liver Parenchyma
Bhattacharya, R.D.; Van Noorden, C.J.F.; James, J  168
Pronase Reduces Intramembranous Particle Density in Uterine Epithelial Cells in vivo
Murphy, C.R.; Swift, J.G  174
Effects of Retinoic Acid on the Development of the Facial Skeleton in Hamsters: Early Changes Involving Cranial Neural Crest Cells
Wiley, M.J.; Cauwenbergs, P.; Taylor, I.M  180
No. 3 Two Types of Oxytocin and Vasopressin Nerve Fibers in the Intra- and Extrahypothalamic Neuronal Systems as Revealed by Immunohistochemistry
Kawata, M.; Ueda, S.; Sano, Y  193
Cytochemical Studies Demonstrating the Effect of Monosodium Glutamate on RNA Concentration in Neurons in Mice
Dhindsa, K.S  201

Atmungsabhängige Verschiebungen im Bereiche des Aortenbogens
Ebner, I.; Reimann, R 206

Microscopic Evaluation of the Sequential Degeneration and Repair of the Retinae of Albino Mice after High-Dose Laser Irradiation
Yew, D.T.; Liu, H.C.; Chan, Y.W.; Lam, S.T.L  216

Fine Structure of the Epithelium of the Human Ejaculatory Duct
Cossu, M.; Marcello, M.F.; Esai, E.; Testa Riva, F.; Riva, A  225

Is the Meniscus of the Knee Joint a Fibrocartilage?
Sommer, L.; Sommer, T  234

Über die Glandula infraorbitalis des Goldhamsters (Mesocricetus auratus Waterhouse 1838)
Kühnel, W  245

Surface Features of Epithelium of the Seminal Vesicle in Young Adult and Old Guinea Pigs and after Castration
Wong, Y.C  257

Retinal Photoreceptor Fine Structure in the Domestic Sheep
Braekevelt, C.R  265

Regionale Unterschiede der numerischen Purkinje-Zell-Dichte in Kleinhirnen von Albino-ratten zweier Stämme
Heinsen, Y.L.; Heinsen, H  276

Index
V

No. 4 Histological Demonstration of Capillaries, Interstitial Space and Muscle Fibers in Heart and Skeletal Muscle with Fluorescent Dyes (with 1 color plate)
Vetterlein, F; Schmidt, G  285

Brain Weight of Danish Children. A Forensic Material
Voigt, J.; Pakkenberg, H  290

Investigation of Articular Cartilage Surface Morphology with a Semiquantitative Scanning Electron Microscopic Method

Distribution of Carboxylic Esterases in the Telencephalon and Diencephalon of a Microchiropteran Bat (Taphozous melanopogon Temminck)
Sood, P.P.; Mohanakumar, K.P  312

Postnatal Development of the Thyroid Gland in the Opossum (Didelphis virginiana)
Krause, W.J.; Cutts, J.H  322

Effects of Prenatal Gamma-Radiation on the Development of Mice and Its Modification by 2-Mercaptopropionylglycine
Dev, P.K.; Pareek, B.P.; Goyal, P.K.; Mehta, G.; Gupta, S.M  339

Adaptation of the Endocrine Tissue of Rat Pancreas after Partial Pancreatectomy – A Morphometric Study
Prado, M.L.M.; Cruz, A.R  346

Association of Mitochondria with the Plasma Membrane of the Acinar Cells of Actively Secreting and Nonsecreting Rat Lacrimal and Parotid Glands
Sampson, H.W.; Montalvo, A.M 353
Structural Alterations and Changes in the Distribution of Markers in Transected Skeletal Muscle Fibers of the Guinea Pig
Echeverría, O.M.; Vázquez-Nin, G.H.; Ninomiya, J.G 358
Some Observations on the Nature of Neural Intranuclear Inclusions (Roncoroni Bodies)
(with 2 color plates)
Penner, A 366
Author Index 375
Subject Index 376
Fig. 1. Cross section of the subepicardium of the rat. The intravasal space is indicated by the green fluorescence of FITC globulin (a). The extracellular space is indicated by the red fluorescence of RB 200 myoglobin (b).
Fig. 2. Cross section of the soleus muscle of the rat. The intravasal space is indicated by the green fluorescence of FITC globulin (a). The extracellular space is indicated by the red fluorescence of RB 200 myoglobin (b).