

---

# The Tenth European Anatomical Congress

With the Participation of the American Association of Anatomists

.....  
**Abstracts**

.....  
Florence, September 17–21, 1995

.....  
Guest Editors

*G.E. Orlandini*, Florence

*S. Zecchi Orlandini*, Florence

3 figures and 3 tables, 1995

**KARGER**  
.....

.....  
S. Karger  
Medical and Scientific Publishers  
Basel · Freiburg · Paris · London  
New York · New Delhi · Bangkok  
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 1995 by S. Karger AG,  
P.O. Box, CH-4009 Basel (Switzerland)  
Printed in Switzerland on acid-free paper by  
Friedrich Reinhardt AG, Basel

---

# Contents

(The numbers indicated refer to abstract numbers)

Immunocytochemical Coding of the Neuroepithelial Endocrine System in the Lungs of <i>Gecko gecko</i> Adriaensen D.; Scheuermann D.W.; Timmermans J.-P.; Zaccone G.; De Groot-Lasseel M.H.A. (Antwerp/Messina)	1	Structure of the Crypt Epithelium in Human Palatine Tonsil – Scanning Electron Microscopic Observation Avramović V.; Savić V.; Vlahović P.; Stanković M. (Niš)	13
Calcitonin Gene-Related Peptide Nerve Fibers and Binding Sites in the Hamster Male Sex Accessory Glands Alfonso F.; Pinho M.; Rodrigues G.; Fernandes P.; Mata L.; Gulbenkian S. (Oeiras/Lisboa)	2	Season-Related Ultrastructural Features of the Parotid, Submandibular and von Ebner's Glands in Hibernating Bats Azzali G.; Grandi D. (Parma)	14
Middle Cerebral Artery – Anatomical-Radiological Correlations Aleksandrowicz R.; Ciszek B.; Ząbek M.; Mazurowski W. (Warsaw)	3	Human Anatomy in Wax during Florentine Enlightenment Azzaroli Puccetti M.L. (Firenze)	15
Vena cerebri media superficialis – A Microanatomical Study Andrzejczak A.; Dąbrowska M.; Dobosz P.M. (Warsaw)	4	Paracrine and Autocrine Regulation of the Testicular Functions in Man: Morphological Data Balboni G.C.; Barni T.; Forti G.; Vannelli G.B. (Firenze)	16
Topographical Distribution and Histochemical Characteristics of Human Pineal Acervuli Antić S.; Rančić G.; Avramović V.; Mojsilović M.; Ćukuranović R.; Pavlović S.; Stefanović N.; Bakić V. (Niš)	5	Effect of Relaxin on the Endometrial Stroma: Studies in Mice Bani D.; Maurizi M.; Bani Sacchi T. (Firenze)	17
Centenary Tradition and Actuality in Iași University Anatomical Teaching Antohe D.St. (Iași)	6	Diffuse Vesicular Distribution of Rab3D in Polarized Neuroendocrine AIT-20 Cells Bareggi R.; Martelli A.M.; Baldini G.; Scherer P.E.; Lodish H.F.; Baldini G. (Trieste/Cambridge, Mass./New York, N.Y.)	18
Endonasal Ethmoidal Area – Mesoscopic Aspects Antohe D.St.; Bordei P.; Varlam H. (Iași)	7	Expression and Biological Activity of Endothelin-1 and Its Receptors in Human Fetal Jaws Barni T.; Gloria L.; Milani S.; Balzi M.; Maggi M.; Vannelli G.B. (Firenze)	19
Neuron-Specific Enolase-Like Immunoreactivity of Water Buffalo ( <i>Bubalus bubalis</i> ) and Hedgehog ( <i>Erinaceus europaeus</i> ) Testis Antonucci R.; Russo P.; Affatato C.; Zollo A.M.; Consalvo F. (Napoli)	8	Interrelationships of Microstructure of Regional Lymph Nodes of the Reimplanted Hind Extremity and the Spleen of the White Rat Bartosh N.O. (Moscow)	20
Somitic Morphometry and 3D Reconstruction of the Human Embryo GV from Three Somite Pairs Arráez-Aybar L.A.; Jiménez-Collado J.; Sanz Casado J.V.; García Gómez S. (Madrid)	9	Ultrastructural Changes in the Seminiferous Tubules of the Brown Hare ( <i>Lepus europaeus</i> ) during the Period July–September Bavdek S.V.; Pogačnik A.; Simeunović B. (Ljubljana)	21
Some Characteristics of the Arterial Blood Supply of the Human Fetal Trigeminal Ganglion Arsić S. (Niš)	10	Neurons and Gliocytes Reacting to Antibodies against Vasoactive Intestinal Polypeptide in the Human Cerebral Cortex Benagiano V.; Virgintino D.; Rizzi A.; Palombo S.; Maiorano E.; Roncali L.; Ambrosi G. (Bari)	22
Cellular and Enzymohistochemical Aspects of Adipose Tissue Development in Human Embryos Atanassova P.; Popova L. (Plovdiv)	11	Ercole Lelli's Skinned Models: Anatomical or Academic Works? Bertoli Barsotti A.M.; Ruggeri A. (Bologna)	23
Anatomical Paintings, Wax and Plaster Casts from the Museum Anatomicum at Marburg and Their Use in Historical Medical Education Aumüller G.; Kleindienst H.; Grundmann K.; Aumüller M.; Jennemann G. (Marburg)	12	Morphological Study of Myocardium Bridges on the Cardiac Veins of Pigs Bertolini S.M.M.G.; Prates N.E.V.B. (Maringá/São Paulo)	24

Endothelial Phenotype in Adrenals Grafted on Chorioallantoic Membrane Bertossi M.; Mancini M.; Virgintino D.; Errede M.; Coltey P. (Bari/Nogent-sur-Mame)	25	Measurement of Pancreas, Kidney and Spleen in Healthy Italian Children Capaccioli L.; Carpi R. (Firenze)	44
Comparative Analysis of the Dendritic Arborization and Spines in the Accessory Oculomotor Nuclei of Man Bianchi R.; Rodella L.; Rezzani R.; Corsetti G.; Gioia M. (Brescia/Milano)	26	Sonographic Assessment of Splenic Size in Healthy Italian Children Capaccioli L.; Carpi R. (Firenze)	45
The Ulnar Tunnel at the Wrist and Its Content Blagotić M.; Durić-Srejić M. (Beograd)	27	Germinal Centres Are the Key Sites of Affinity Maturation and the Generation of B-Cell Memory and Plasma Cells during Antibody Responses Casamayor-Palleja M.; MacLennan I.C.M. (Birmingham)	46
The Influence of the Amplitude of Flow Fluctuations on Nerve Density in the Major Cerebral Arteries: A Hypothesis Bleys R.L.A.W.; Cowen T.; Groen G.J.; Hillen B. (Utrecht/London)	28	Histochemical and Immunohistochemical Study on Small Intestine Ontogenesis in the Buffalo Castaldo L.; Affatato C. (Napoli)	47
TGF- $\beta$ Differentially Regulates Extracellular Matrix Expression in Human Normal and Otosclerotic Cells Bodo M.; Becchetti E.; Bellucci C.; Giammarioli M.; Baroni T.; Valeno V.; Evangelisti R.; Carinci P. (Ferrara/Perugia)	29	Daily Rhythmic Variations of the Number of Mast Cells and of Histamine and Serotonin Content in Rat Thyroid Gland: Their Relationship with Blood Histamine and Serotonin Levels Catini C. (Firenze)	48
Involution of Synapses of Cerebral Cortex in Aging Bogolepov N.N. (Moscow)	30	Nomina anatomica avium Cavallotti C.; Malinovsky L.; Tranquilli Leali F.; D'Andrea V. (Roma)	49
Ontogenesis of Cytoarchitecture of Human Hippocampus Bogolepova I.N. (Moscow)	31	Magnetic Resonance Imaging Features of in vivo Anatomy of the Main Central Nervous System Motor and Sensory Pathways Cellerini M.; Pellicanò G.; Dal Pozzo G. (Firenze)	50
The Structural Physiology of the Osteoblast Bonucci E. (Roma)	32	Glial and Schwann Cell Specializations in the CNS-PNS Transitional Zone of a Cyclostome Cheong E.; Fraher J. (Cork)	51
The Intracranial Routes of the VII–XIIth Nerves Bordei P.; Antohe D.St.; Ulmeanu D. (Constantza/Iasi)	33	Calcium-Chelating Agents and the Blood Flow in the Hypothalamohypophysial Portal System of the Rat Chirculescu A.R.M.; Chirculescu M. (Bucharest)	52
The Basic Characteristics of the Adaptocompensatory Reaction of the Ovary Borowaya T.G.; Volcova O.V. (Moscow)	34	Structure-Function Correlations of the Internal Carotid Artery within the Carotid Canal and the Cavernous Sinus Chirculescu A.R.M.; Corlan A.D.; Constantinescu R.; Chirculescu M. (Bucharest)	53
Frequency of Tooth Decay in Medieval Apulian Skeletons Bosco L.; Lovero R.; Dellegrottaglie G.; Leone D.; Vernaglione D.; Pagliarulo E.; Santacroce R. (Bari)	35	Neuropeptides in the Rabbit Superior Mesenteric Ganglion Chouchkov C.N.; Lazarov N.; Chouchkova V. (Stara Zagora)	54
Histamine and Serotonin Content in Macrophages of Different Locations: Influence of Presence or Absence of Mast Cells in Microenvironment Botchkarev V.A.; Trubina E.V.; Gordon D.S. (Chuvash)	36	Mastoid Canals in Human Skulls Choudry R.; Raheja S.; Gaur U.; Anand C. (New Delhi)	55
Coexpression of Vimentin and Keratin in Ductal Epithelium during the Fetal Development of Rat Pancreas Bouwens L. (Brussels)	37	Developmental Basis of Duplicate External Jugular Vein in Humans Choudry R.; Tuli A.; Choudry S.; Anand C. (New Delhi/Noida)	56
DNA Damage and Repair in Synchronized versus Nonsynchronized UV-B-Irradiated Corneal Endothelial Cells Breipohl W.; Marx W. (Bonn)	38	Measurement of Tendon Displacement Velocity with Color Doppler Ultrasound Cigali B.S.; Buyruk H.M.; Taskinalp C.J.; Snijders C.J.; Stam H.J. (Edime/Rotterdam)	57
Expression of p53 Tumor Suppressor Gene in Bovine Lens Epithelial Cells Breipohl W.; Naib-Majani W. (Bonn)	39	Direct Adrenal-Renal Vascular Connection in Humans and in Mammals Ciszek B.; Aleksandrowicz R.; Przybylski J.; Abramezyk P.; Papierski K.; Gora K. (Warsaw)	58
The Transversal Torsion of the Fibular Joint Surface Brenner E.; Krimbacher E. (Innsbruck)	40	Anatomy of the Extracerebral Part of the Arteria centralis longa Ciszek B.; Zabek M.; Mazurowski W.; Kwolek-Klimkiewicz J. (Warsaw)	59
Spermatogenesis in Senile Mammals Bustos-Obregón E.; Ramírez O.; Esponda P. (Santiago/Madrid)	41	Study of Glial Reaction in Relation to Neuronal Damage in Rat Hippocampus after Ischemia Cizkova D.; Cizek M.; Racekova E.; Kovalcik M. (Košice)	60
Teaching Anatomy in Problem-Based Learning Programmes Butler R. (Hamilton)	42		
Cholesterol-Fed Rabbits versus Rabbits Immunized against Oxidized LDL: Comparison of the Atherosclerotic Plaques Cabral R.H.; Pagliari C.; Tsanaclis A.M.C.; Gidlund M. (São Paulo)	43		

Carbohydrate Histochemistry of the Gastrointestinal Tract of the Nile Crocodile ( <i>Crocodylus niloticus</i> ) Coetzee H.L.; Kotzé S.H. (Pretoria)	61	Anatomy of the Evolved Nasal Sac System of a Delphinid Species: The Striped Dolphin ( <i>Stenella coeruleoalba</i> ) Degollada E.; Garcia Hartmann M.; López Plana C. (Barcelona/Leiden/Duisburg)	77
Ultrastructure and Cytochemistry of Skeletal Muscle Injury Coleman R.; Mazor L.; Silbermann M.; Rubinstein I.; Better O.S. (Haifa)	62	Ultrastructural Study of Metaphyseal Cartilage Dell'Orbo C.; Gioglio L.; Quacci D. (Pavia/Cagliari)	78
Particle Localization in the Synovial Membrane of the Rat Comerford F.R.; Etwebi A.B. (Galway)	63	Reticular Zone of the Rat Adrenal Gland 90 Days after Ending the Exposure to Chemical Fertilizer Devečerski V.D.; Budakov P.M.; Devečerski G.V. (Novi Sad)	79
Electrophysiological Recordings of Myenteric Neurons in the Pig Small Intestine Compared with Data Obtained from Small Laboratory Animals Cornelissen W.; Timmermans J.-P.; van Bogaert P.P.; Scheuermann D.W. (Antwerp)	64	Modern Anatomical Aspects of the Cardiac Blood Supply and Myocardial Subcellular Structure DiDio L.J. (São Paulo)	80
Ultrastructural Localization of Blood Group Antigens in Human Salivary Glands Cossu M.; Lantini M.S. (Cagliari)	65	Rearrangement of Microtubules during Platelet Activation Dierichs R.B.; Stümpel C.; Frye S.; Zhao B. (Münster/Dortmund)	81
Morphological Changes of the Sclerocorneal Trabecula in Chronic Open-Angle Glaucoma Costa J.; Canals M.; Potau J.M.; Merindano L.; Ruano-Gil D. (Barcelona)	66	Stereological Estimates of Nuclear Volume in Squamous Epithelium of the Uterine Cervix Djordjević B.; Mihailović D.; Stojanović D.; Stefanović N.; Čekerevac M.; Popović Z. (Niš)	82
NADPH-Diaphorase- and VIP-Positive Nerves in the Oviduct of the Hen Costagliola A.; Carrese E.; Czaja K.; Cecio A. (Napoli/Olsztyn)	67	The Gross Anatomy of the Valve of the Coronary Sinus (Thebesian Valve) Dobosz P.M.; Kolesnik A.; Aleksandrowicz R. (Warsaw)	83
Topographical Correlations between CGRP and the Nicotinic Acetylcholine Receptor in the Neuromuscular Junction, in Meynert's Basal Nucleus and in the Prefrontal Cortex Csillik B.; Rakic P.; Goldman-Rakic P.; Chase B.; Nemesok J.; Knyihar-Csillik E. (Omaha, Nebr./Szeged/New Haven, Conn.)	68	Origin of Penile Arteries in Human Droupy S.; Benoit G. (Paris/Bicêtre)	84
Localization, Expression and Characterization of Insulin-Like Growth Factor 1 in Bony Fish Cueni D.; Reinecke M. (Zürich)	69	Phylogenetic Aspects of the Penile Vascularization Droupy S.; Guiliano F.; Benoit G. (Paris/Bicêtre)	85
Nucleus basomedialis corporis amygdaloidei in Female Rats Treated with Estrogen – Golgi Picture Cvetković D.; Drekić D.; Lozančić O.; Đelić N. (Beograd)	70	Proximal Femoral Geometry: Its Relationship to Femoral Length Duthie R.; Bruce M.F.; Hutchinson J.D. (Aberdeen)	86
Biopolymerization: An Innovation in the Teaching of Anatomy Dahmer G. (Tucson, Ariz.)	71	Androgen and Estrogen Receptors in the Microvasculature of the Human Testis Ergün S.; Ungefroren H. (Hamburg)	87
Guanylin Is Expressed in the Mammalian Islets of Langerhans David I.; Cueni D.; Cetin Y.; Forssman W.G.; Reinecke M. (Zürich/Hannover)	72	Low-Frequency Sonication: A Method for Fine Cleaning of Surgical Biopsies in Scanning Electron Microscopy Familiari G.; Familiari A.; Quartini A.; Piserà A.; Verlengia C.; Pontone P.; Correr S. (Roma)	88
Topography of Vesical Nerves in the Female Pelvis De Caro R.; Munari P.F.; Carlesso G.; Brizzi E. (Padova/Firenze)	73	Presence of Adhesive Proteins in the Cumulus Mass of Mature Oocytes from IVF-ET Protocols: An Immunochemical Study Familiari G.; Verlengia C.; Nottola S.A.; Renda T.; Aragona C.; Zardi L.; Motta P.M. (Roma/Genova)	89
Neurons Synthesizing Nitric Oxide in the Human Gastrointestinal Tract, Gallbladder and Pancreas De Giorgio R.; Stanghellini V.; Schirinzi A.; Barbara G.; Salvioli B.; Tonini M.; Gizzi G.; Corinaldesi R. (Bologna/Pavia)	74	Immunohistochemical Research on Oxytocin in the Accessory Hypothalamic Nuclei Farina-Lipari E.; Valentino B.; Lipari D. (Palermo)	90
VIP, ANF and Met-enk-Immunoreactive Cells in the Gills of <i>Poecilia latipinna</i> Adapted to Different Salinities de Girolamo P.; Arcamone N.; Esposito V.; Battaglini P.; Gargiulo G. (Napoli)	75	Region-Specific Organization of the Muscle Layers and Interstitial Cells of Cajal in the Human Gut Faussonne-Pellegrini M.S. (Firenze)	91
Ultrastructural Appearances in the Germinal Cells Death of Human Fetal Ovary De Pol A.; Marzona L.; Vaccina F. (Modena)	76	Effect of Hyperventilation on Ischemic Brain Injury Ferčáková A.; Nováková B.; Vanický I.; Maršala M. (Košice)	92
		Densitometric Analysis of the Human Calcaneus Fernandez Camacho F.J.; Rodriguez Torres R.; Gomez Pollico L. (Madrid)	93

Characterization of Extrafollicular B Cells Isolated from Human Tonsil Ferrarini M.; Dono M.; Zupo S.; Augliera A.; Burgio V.; Grossi C.; Fais F.; Chiorazzi N. (Genova/Roma/New York, N.Y.)	94	The Glycoconjugates of the Chick Embryo Proventriculus: Lectin Histochemistry Gheri Bryk S.; Gheri G.; Sgambati E. (Firenze)	110
Mathematical Evaluation of Human Facial Volume Ferrario V.F.; Sforza C.; Poggio C.E.; Schmitz J.H.; Taroni G. (Milano)	95	The Oligosaccharides in the Exocrine and Endocrine Pancreas of the Chick Embryo and Newborn, and in the Adult Animal Gheri G.; Gheri Bryk S. (Firenze)	111
The Proximal Extremity of the Femur. Anatomical Study: Application on Implants Fessy M.H.; Bėjui J. (Lyon)	96	Image Analysis of the Basilar Artery in Talapoin ( <i>Cercopithecus aethiops</i> ) Gielecki J.; Ścińska A. (Warsaw)	112
HOX Gene Expression and DNA Methylation in Human Small Cell Lung Cancers Flagiello D.; Malfoy B.; Molinari-Tosatti M.P.; Dutrillaux B.; Poupon M.F.; Cillo C. (Brescia/Paris/Napoli)	97	Image Analysis of the Basilar Artery in Human Fetuses Gielecki J.; Ścińska A. (Warsaw)	113
The Disassembly of the Golgi Complex Induced by Brefeldin A Is NAD/NADH-Dependent Flati S.; Sciulli M.G.; Fusella A.; De Matteis M.A.; Corda D.; Luini A.; Mironov A. (S. Maria Imbaro)	98	Ultrastructure of Endocardial Surfaces in Development, Aging and in Congestive Heart Failure Gilloteaux J. (Rootstown, Ohio)	114
In vitro Migration of Preosteoclasts across Bone Microvascular Endothelial Cells Formigli L.; Brandi M.L.; Benvenuti S.; Zecchi-Orlandini S. (Firenze)	99	Ultrastructural Aspects of Human Cystic Duct as a Result of Cholecystitis and Cholesterolosis Gilloteaux J.; Hawkins W.S.; Gilloteaux L.C.; Kelly T.R. (Rootstown, Ohio)	115
The Early Development of the CNS-PNS Transitional Zone in the Rat Ventral Spinal Nerve Rootlets Fraher J. (Cork)	100	An Abnormal (External Carotid System) Origin of Posterior Inferior Cerebellar Artery Glaritis D.; Varlam H.; Antohe D.St. (Iasi)	116
The Dense Tubular System and the Surface-Connected System in Human Platelets as Revealed by Morphometric Analysis and 3-D Reconstruction Frye S.; Dierichs R.B.; Berkes P.; Pantlen P. (Münster)	101	The Cloning and Characterization of a Skeletal Muscle Growth Factor Gene Goldspink G. (London)	117
Determination of the Age in Man Basing on the Spongy Structure of Long Bones and Histological Methods – A Comparative Study Gaber O. (Innsbruck)	102	Larynx Plastination: A New Histological Technique for Research and Clinical Purposes in the ENT Area Gotwald T.F.; Sprinzl G.M.; Bumm K.; Mikuz G.; Thumfart W.F. (Innsbruck)	118
Storing and Preservation of the Ice Man Gaber O.; Küenzel K.H.; Maurer H. (Innsbruck)	103	Multihormonal Regulation of the Granular Convoluted Tubule of the Mouse Submandibular Gland Gresik E.W. (New York, N.Y.)	119
Endoscopic Collection of Specimens of the Ice Man Gaber O.; Küenzel K.H.; Maurer H.; Bodner E.; Thumfart W.; Glaser K.; Gunkel A.; Truppe M.J.; Freysinger W.; Tiefenbrunner F. (Innsbruck)	104	Morphological Considerations on Nasal Swell Bodies Grevers G.; Kamargakis W.N. (München)	120
Value of Lectins for Studying Secretory Glycoproteins in Salivary Glands and Saliva Garrett J.R.; Proctor G.B.; Zhang X.S.; Shori D.K.; Schulte B.A. (London/Charleston, S.C.)	105	The Diagnosis and Treatment of Inguinal Hernias Made Easy Griffiths D.A.; Griffiths R.D. (Yeovil)	121
The Utero-Ovarian Arterial Anastomoses of the Broad Ligament of the Uterus in Sows: A Scanning Electron and Light Microscope Study Gawrońska B. (Olsztyn-Kortowo)	106	Interactive Cross-Sectional Anatomy Groen G.J.; Hillen B.; den Boer J.A.; Doorn J.J.; Hofstee-Hoofman T.W.A.; Matthijssen M.A.H.; Polman P.; van Wolferen W.; Zonneveld F.W.; Zuiderveld K. (Utrecht)	122
Morphology of the Lymph Vessels in the Broad Ligament of the Uterus of the Pig Gawrońska B.; Zezula-Szpyra A.; Doboszynska T. (Olsztyn-Kortowo)	107	Pre-Embedding Staining of Apocrine Secretion in Rat Dorsal Prostate Using Transmission and Scanning Electron Microscopic Immunocytochemistry Groos S.; Riva A.; Möbius J.; Seitz J.; Aumüller G. (Marburg/Cagliari)	123
An Anatomico-Clinical Study of the Flexor hallucis brevis Muscle Ger R. (New York, N.Y.)	108	Electron Microscopic Study of Metaplastic Epithelium Explants from Human Upper Respiratory Tract Gulisano M.; Pacini S.; Ruggiero M.; Delrio A.N.; Pacini P. (Firenze/Sassari)	124
Development of the Enteric Nervous System Gershon M.D. (New York, N.Y.)	109	The Prostatic Capsule and Periprostatic Connective: A Correlated Gross Anatomic Microscopic and Radiologic Study Gulisano M.; Sgambati E.; Di Lollo S.; Menchi I.; Carini M.; Pacini P. (Firenze)	125

Immunocytochemical Studies of Cell Differentiation during Rat Salivary Gland Development Hand A.R.; Ball W.D.; Mirels L. (Farmington, Conn./Washington, D.C./San Diego, Calif.)	126	Mechanotransduction in Osteoblasts Jones D.B.; Tenbosch J. (Münster)	143
Immunocytochemical Localization of Laminin, Amylase, Cathepsin D and Actin in Rat Parotid Acinar Cells Hashimoto S.; Shimono M. (Chiba)	127	The Guinea Pig Carotid Arterial Media Layer Is Changed during Pregnancy Jovanović S.; Koko V.; Blagojević Z. (Beograd)	144
Quantitative and Somatotopic Mapping of Neurons of the Trigeminal Mesencephalic Nucleus and Ganglion Innervating the Teeth in Monkey and Baboon Hassanali J. (Nairobi)	128	The Guinea Pig Mesenteric Arterial Media Layer Is Not Changed during Pregnancy Jovanović S.; Koko V.; Blagojević Z. (Beograd)	145
Heavy Metal Concentration in Scalp Hair of Smokers Hauser G.; Guidotti A.; Vienna A.; Rothgänger H.; Tommaseo Ponzetta M.; Wytok R.; Wolfsperger M. (Wien/Siena/Berlin/Padova/Roma)	129	Morphometry of the Surfaces of the Acetabulum of the Fetal Hip Joint Juszczak M. (Warsaw)	146
Functional Anatomy of Traditional Chinese Acupuncture Points Heine H. (Witten/Herdecke)	130	Ultrastructural Changes in the Pharyngeal Tonsil of Children Suffering from Recurrent Respiratory Diseases Kapeller K.; Polonyi J.; Kapellerová A.; Zlatoš J. (Bratislava)	147
The Dissecting Course at the University of Ulm as a Well-Tried Reform Model Herrmann M. (Ulm)	131	The Growth-Promoting Effects of Human Placental Lactogen and Human Prolactin in Mammalian Embryos during Early Organogenesis Karabulut A.K.; Pratten M.K. (Konya/Nottingham)	148
Morphological Organization and Functional Properties of the Reptilian Discus conjunctivae Hiller U. (Münster)	132	Contemporary Approaches to the Study of the Prenatal Development of the Mouse Submandibular Gland Kashimata M.; Gresik E.W. (Saitama/New York, N.Y.)	149
Prehistory of Anatomical Waxes at La Specola, Florence Hilloowala R. (Morgantown, W.Va.)	133	Cytokeratins Are Present in Spermatogenic Cells Kierszenbaum A.L.; Rivkin E.; Menz J.R.; Fefer-Sadler S.; Tres L.L. (New York, N.Y.)	150
Intertubular Matrix – A Neglected Constituent of Human Testis? Holstein A.F.; Davidoff M.S.; Ungefroren H. (Hamburg)	134	A New Role for Blood Platelets: Participation in Allergic Reactions Klinger M.H.F.; Klouche M.; Wilhelm D.; Klüter H. (Lübeck)	151
Neutrophil-Endothelial Cell Adhesion during Ischemia Reperfusion of Human Skeletal Muscle Ibba-Manneschi L.; Formigli L.; Novelli G.P.; Zecchi Orlandini S. (Firenze)	135	Pulmonary Lymphatics in Quail ( <i>Coturnix coturnix</i> ) Klika E.; Scheuermann D.W.; De Groot-Lasseel M.H.A.; Bazantova I. (Antwerp)	152
Extramural Arterial Anastomoses Supplying the Rectosigmoid Junction Ilić A.; Blagoić M. (Beograd)	136	Basic and Peptidergic Innervation of Human Nasal Glands Knipping St.; Riederer A.; Fischer A. (München)	153
The Incidence of Hill-Sachs Lesions after Initial (Primary) Anterior Shoulder Dislocations Ile M.; Dragičević T.; Šaranović M.; Mirić D.; Zdravković M.; Mihailović D.; Stanisavljević D.; Babić D. (Beograd)	137	Arterial Vascularization of the Rat Adrenal Gland Kolešnik A.; Góra K.; Przybylski J.; Papierski K.; Abramczyk P. (Warsaw)	154
Current Concept of the Ultrastructural Organization of Basement Membranes Inoue S. (Montréal)	138	Functional Anatomy of Sphincters of the Digestive Tract Kolesnikov L. (Moscow)	155
Nutrient Foramina on the Bones of Pig's Pelvic Leg Jablan-Pantić O. (Beograd)	139	Dependence of Morphological Transformations in Angiomyocytes on Physicochemical Condition of Cell Membranes Kosourov A.K.; Makarov F.N.; Kostin V.B.; Demchenko I.T. (St. Petersburg)	156
Role of the Thymus Stroma in Regulating T-Cell Development Jenkinson E.J.; Anderson G.; Moore N.; Wilkinson R.; Owen J.J.T. (Birmingham)	140	The Morphology of the Initial Segment of the Coronary Sinus in the Adult Human Heart Kozłowski D.; Grzybiak M.; Koźluk E.; Adamowicz M.; Walczak E. (Gdansk/Warsaw)	157
The Posterior End of the Temporomandibular Articular Disc in Human Development Jiménez-Collado J.; Mérida-Velasco J.R.; Rodríguez-Vasquez J.F.; Palomar-Gallego A.; Arráez-Aybar L.A. (Madrid)	141	Immunohistochemical and Histochemical Investigations of Congenital Abnormalities of the Enteric Nervous System Krammer H.-J.; Wedel Th.; Wessel L.; Kühnel W. (Mannheim/Lübeck)	158
A New Technique for Embalming and Preserving Corpses Jiménez-Collado J.; Arene-Rada E.; Chávez R.; García-Gómez S. (Madrid)	142	Epithelium of Rats' Renal Proximal Tubules after <i>Escherichia coli</i> Endotoxin Treatment Krivokučá Z.; Bataković M.; Stanković G.; Nikolić D.; Marković I. (Beograd)	159

The Coronary Sinus Valve of the Heart in Human Adults and Other Primates Kuta W.; Kozłowski D.; Grzybiak M.; Koźluk E.; Adamowicz M. (Gdansk/Warsaw)	160	Distribution of Fountain-Like Arteries in Human Brain Marinković R.; Cvejic B.; Marković Lj.; Budimlija Z. (Novi Sad/Sremska Kamenica)	177
Surface Ectodermal Wound Healing in the Midbrain Region of the Chick Embryo Lawson A.; England M.A. (Leicester)	161	Recruitment of Osteoclast Precursors by Radicular Cyst Lesions Martini M.; Giannelli M.; Tonelli P.; Bergamini M.; Brandi M.L.; Orlandini G.E. (Firenze)	178
The Anatomical Dismantable Model in Wood by Felice Fontana (1799) from the 'Musée d'Histoire de la Médecine de l'Université Paris V' Le Floch-Prigent P.; Bary F.; Faure A.; Jamet M.; Dubost F.; Clin M.V. (Paris)	162	The Dynamics of Germ Cell Population in the Human Fetal Ovary: First Data on the Prefollicular Oogenesis Marzona L.; De Pol A.; Sforza C.; Vaccina F.; Forabosco A. (Modena/Milano)	179
Teratozoospermia and Aberrant Content in Basic Nuclear Proteins in Human Spermatozoa Lescot D.; Segalen J. (Rennes)	163	Neurochemical Differentiation of Rat Enteric Neurons during Pre- and Postnatal Life Matini P.; Mayer B. (Firenze/Graz)	180
History of Anatomy in Florence Lippi D.; Diana E. (Firenze)	164	Morphological Studies on Extraocular Muscle Proprioception and Primary Proprioceptive Pathways in Man and Mammals Mayr R. (Wien)	181
A Microscopic Study of False Chordae tendinae in the Left Ventricle of the Heart in Humans Lotkowski D.; Grzybiak M.; Kolodziej P. (Gdansk)	165	The Fate of Macromolecules in the 11.5-Day Rat Embryo after Introduction into the Vitelline Circulation: Rat Immunoglobulin Mensah-Brown E.P.K. (Al Ain)	182
The Intensity of the Load Affects the Viability of Osteocytes of Bones Cultured in vitro Lozupone E.; Favia A.; Cantatore F.P. (Bari)	166	The Fate of Digestible and Indigestible Macromolecules Introduced Directly into the 11.5-Day Rat Embryo via the Vitelline Circulation Mensah-Brown E.P.K. (Al Ain)	183
The Use of Ultrasonic Tomography to Measure the Caliber and Length of the Abdominal Aorta Macchi C.; Catini C.; Giannelli F. (Firenze)	167	Nitric Oxide and c-Type Natriuretic Peptide Are Autocrine Modulators of Human Leydig Cells Middendorf R.; Paust H.J.; Mayer B.; Koesling D.; Davidoff M.S. (Hamburg)	184
The Measurement of the Calibers of the Carotid Arteries Using Ultrasonic Tomography Macchi C.; Giannelli F.; Brizzi E. (Firenze)	168	Development of the Glomerular Membrane in the Rat Miguel M.; Götzens V.; Torregrosa M.A.; Tejado-Mateu A.; Ortiz J.; Josemaria B. (Barcelona)	185
T-Cell-Mediated Tissue Remodelling and Destruction in the Human Intestine MacDonald T.T. (London)	169	Quantitative Morphology of Pancreatic Islets in Newborns Mihailović D.; Mojsilović M.; Rančić G.; Antić S.; Djordjević B.; Cekerevać M. (Niš)	186
Clinical Anatomy of the Pulmonary Veins and Its Correlation to the Types of Bronchial Divisions Maciejewski R. (Lublin)	170	Trophoblastic Cover of the Terminal Villi of the Placenta in EPH Gestosis Mihic N.; Polzović A.; Bregun N. (Novi Sad)	187
Morphologic and Immunocytochemical Features of Cultured Adult Human Astrocytes Máčiková I.; Perželova A.; Mráz P. (Bratislava)	171	Anatomical Observations Concerning Experimental Fractures of the Lateral Humeral Condyle in Children and Type of Internal Fixation Milanović D.; Ilić A. (Beograd)	188
Imaging as a Tool in the Structural Pathophysiology of Bone Resorption MacIntyre I. (London)	172	Stereological Analysis of Tissue Compartments of Young and Old Human Spleen Miličević Z.; Miličević N.M. (Beograd)	189
Neuromedin K (NMK) Is Involved in the Regulation of the Secretory Activity of the Rat Adrenal Cortex Malendowicz L.K.; Warchol J.B.; Nussdorfer G.G. (Poznan/Padova)	173	Reaction of Glia Cell of Gerbil Pineal Gland to Acute Stress Milin J. (Novi Sad)	190
Vascular Anastomoses between Some Abdominal Organs in Laboratory Animals Malinovsky L.; Cavallotti C.; Malinovska V.; Tranquilli Leali F.; Buccolini F.; Belli M.; D'Andrea V. (Roma/Brno)	174	Endothelial-Mesenchymal Transformation in vitro Mironov V.A.; Hoffman S.; Markwald R.R. (Charleston, S.C.)	191
Cardiac Microvasculature in Fetuses and Neonates of the Rat Mandarin-de-Lacerda C.A.; Villar V.C.; Le Floch-Prigent P. (Rio de Janeiro/Paris)	175	Light and Electron Microscopic Study of the Healing Process of the Rat Skin, Treated by <i>Aloe vera</i> in natura Mizusaki C.I.; Watanabe L.S.; Iyomasa M.; Marchi F.; Bazan E. (São Paulo)	192
The Mouse Parotid Gland Studied at Ultrastructural Level by Lectin Gold Cytochemistry Marchetti L.; Menghi G.; Bondi A.M.; Materazzi G. (Camerino)	176		



Internal Mammary Vessels: Anatomical Findings Compared to Ultrasound Imaging in Living Subjects Moriggl B.; Sturm W.; Künzel K.H. (Innsbruck)	193	Ultra-High Resolution SEM Study on the Membrane System of the Rat Parietal Cell in the Resting State and Shortly after Gastrin Stimulation Ogata T.; Yamasaki Y.; Araki K.; Kobayashi M.; Ando T.; Naoki I.; Namikawa T. (Kochi)	208
The Human Egg-Cumulus Cell Mass at Fertilization: A Paracrine Structure Motta P.M. (Roma)	194	Fos-Like Immunoreactivity in Rat Lumbar Spinal Cord Neurons after Noxious Hindlimb Stimulations Orendáčová J.; Maršala M.; Orendáč M.; Maršala J. (Košice/Praha)	209
Formation of the Congruence of the Surface of the Hip Joint in the Human Fetus Mrozek A. (Warsaw)	195	An Ultrastructural and Immunohistochemical Study of Rat Lumbar Spinal Cord after Application of MK-801 Orendáčová J.; Maršala M.; Orendáč M.; Maršala J. (Košice/Praha)	210
An Immunohistochemical Analysis of the Ontogeny of Some Neurohormonal Peptide-Containing Gastroentero-Endocrine Cells in the Turbot, <i>Scophthalmus maximus</i> Müller C.; Segner H.; Reinecke M. (Zürich/Leipzig)	196	Beneficial Effects of 21-Aminosteroids, Antioxidative Molecules in Myocardial Ischemia Reperfusion Orlandini G.E.; Ibba-Manneschi L.; Tani A.; Perna A.M.; Nediani C. (Firenze)	211
The Different Morphological Types of Nerve Fibers in Stratified Squamous Epithelia of the Rat Müller T. (Mainz)	197	Functional MRI as a Tool for Functional Anatomy and Biomechanics Ostendorf U.; Witte H.; Recknagel S.; Wentz K.U.; Bellenberg B.; Suchalla R. (Bochum)	212
Radioautographic Study of DNA Synthesis of Aging Mouse Salivary Glands Nagata T.; Chen S.; Inoue Y. (Matsumoto)	198	Kinetics of Bone Graft Resorption and Substitution Estimated Quantitatively by Electron Paramagnetic Resonance Technique Ostrowski K.; Dziedzic Goclawska A.; Stachowicz W.; Michalik J. (Warsaw)	213
Visual Area of the Claustrum – Comparative Morphometric Study Narkiewicz O.; Moryś J.; Zieliński P.; Kowiański P. (Gdańsk)	199	Heat-Deproteinized Bone and Hydroxyapatite Implants in Rabbit Tibiae: Response to Electromagnetic Stimulation Ottani V.; Guizzardi S.; Martini D.; Montanari C.; Raspanti M.; Ruggeri A. (Bologna)	214
Anatomical Evidence for Enteric Co-Innervation of Striated Muscle Fibers of the Esophagus in Several Species Including Man Neuhuber W.L. (Erlangen)	200	Effect of Resiniferatoxin on Guinea Pig Sensory Neurons Paccagnini E.; Franci D.; Guarna M.; Gerli R. (Siena)	215
Growth Characteristics of Round Ligament of Fetal Femur Neumann M.; Gacek W. (Warsaw)	201	Morphological Findings of Permanent Hearing Loss by Impulse Noise Pagliarulo E.; Roberto M.; Bosco L.; Santacroce L. (Bari)	216
Sphericity of the Articular Surface of the Hip Joint of Human Fetuses Neumann M.; Juszcak M.; Gacek W. (Warsaw)	202	The Use of Computer-Based Technology in the Teaching of Human Anatomy Pallot D.J.; Paul S.; Liewald D. (Al Ain)	217
Tight Junction Complexity in Cerebral Endothelial Cells of Isolated Developing Microvessels Nico B.; Cantino D.; Sassoè Pognetto M.; Ribatti D.; Cardelli P.; Strom R.; Roncali L.; Bertossi M. (Bari/Torino/Roma)	203	Effect of Gender and Ethnicity on Dental Arch Shape in Northern Chile: Preliminary Report Palomino H.; Sforza C.; Carvajal R.; Duncan V.; Colombo A.; Ferrario V.F. (Santiago/Milano)	218
The Role of Mastication Muscles in the Transmission of the Mastication Forces to the Functional Resistance Structures of the Neurocranium Niculescu M.; Niculescu V.; Matusz P.; Rottenberg N.; Motoc A. (Timisoara)	204	Quantitative Changes in the Satellite Cell Sheath of the Spinal Ganglia of Senile Rabbits Pannese E.; Conte V.; Procacci P.; Ledda M. (Milano)	219
The Horizontal and Vertical Resistance Lamellas in the Functional Architecture of the Upper Facial Skeleton Niculescu V.; Nussbaum R.; Niculescu M.; Matusz P.; Dinuti M. (Timisoara)	205	Three-Dimensional Reconstruction of Sertoli Cell Nuclei from Testicular Biopsies: A Comparison of Normal and Altered Testes Pantlen P.; Bergmann M.; Dierichs R.; Bruning G. (Münster)	220
Myelin Sheath Thickness-Axon Calibre Relationships in the Same Nerve in Species of Different Vertebrate Class O'Sullivan A.; Fraher J. (Cork)	206	The Articular Microenvironment: Homeostatic Integration between Compartments Parente C.; Montagnani S.; Tajana G. (Reggio Calabria)	221
Ultra-High Resolution SEM Study on the Mitochondria and Sarcoplasmic Reticulum in the Human Muscle Fibers Ogata T.; Yamasaki Y. (Kochi)	207	Ultrastructural Changes in Ileal Urinary Reservoir Mucosa (VIP Pouch): A 6-Year Follow-Up Parenti A.; De Caro R.; Sefraini M.T.; Galli S.; Aragona F.; Munari P.F. (Padova)	222

Elimination of Synapses in Triangularis sterni Muscle of Neonatal Wild Mice Does Not Occur by Nerve Terminal Degeneration Parson S.H.; Ellis I.C.; Mackintosh C.L.; Ribchester R.R. (Edinburgh)	223	Ontogeny and Vascularization of the Preoptic Area in Human Fetuses Polzovič A.; Mihič N.; Budimlija Z. (Novi Sad)	241
Wax Models of the Anatomical Museum of Valladolid Pastor J.F.; Verona J.A.G.; De Paz F.J.; Gutierrez B. (Valladolid)	224	Interneurons and Their Connections in the Enteric Nervous System in the Guinea Pig Small Intestine Pompolo S.; Young H.M.; Furness G.B.; Portbury A.; Uemura S. (Melbourne)	242
Topography of Subepicardiac Nerve Plexus in Humans Pauza D.H.; Pauziene N.; Stropus R. (Kaunas)	225	Reactivity of Adrenal Cortical Cells in Experimental Conditions Popova L.; Petrova E. (Plovdiv)	243
Polymorphism of Unmyelinated Nerve Fibers in Intracardiac Nerve Plexus Pauziene N.; Pauza D.H.; Stropus R. (Kaunas)	226	Intermediate Filament Proteins of Keratinocytes under Different Culture Conditions Prignano F.; Domenici L.; Gerlini G.; Romagnoli P. (Firenze)	244
Early Expression Pattern of Brain Lipidic Binding Protein Pellegrini M. (Modena)	227	Lupus Autoantibodies Bind B1 Integrin Subunit Puccetti A.; Sabbatini A.; Carbone G.; Millo E.; Millo F.; Casali A.M.; Tacchetti C.; Migliorini P. (Genova/Pisa)	245
Developmental Expression of Emx2 Gene in the Urogenital System Pellegrini M.; Forabosco A. (Modena)	228	Histochemical and Electron Microscopic Analysis to Study the Aging Skin and Collagen Quagliano A.P.; Costa M.P.; Costa D.S.; Santos A.S.C.; Germano M.A.N.; Faria J.C.M.; Tuma P., Jr.; Ferreira M.C.F. (São Paulo)	246
MRI Features of the Cranial Nerves Pellicanò G.; Cellerini M.; Dal Pozzo F.; Villari N. (Firenze)	229	Histologic Analysis of Postburned Hypochromic Lesions Quagliano A.P.; Costa M.P.; Germano M.A.N.; Herson M.R.; Ferreira M.C. (São Paulo)	247
Anatomic Study of Diagonalis Artery and Its Correlation with Other Arteries That Irrigate the Apex of Human Heart Pereira R.A.A.; Cury L.; Falci-Júnior R.; Prates N.E.V.B. (São Paulo)	230	Neurotrophin Receptor-Like Immunoreactivity in Human Primary Sensory Neurons Quartu M.; Del Fiacco M. (Cagliari)	248
SEM Preliminary Observations on the Ultrastructural Aspects of the Fascia Transversalis at the Level of Inguinal Triangle in the Direct Inguinal Hernia Peri G.; Farina F.; Marciandò V.; Ridola C.; Diana G.; Arcara M.; Guercio G.; Sommariva V. (Palermo)	231	Odor-Induced Expression of Fos Protein in Rat Homotopic Olfactory Bulb Transplants Račeková E.; Čížková D.; Skojecová B.; Orendáčova J. (Košice)	249
Influence of Decidual Cells in the Growth and Differentiation of Mouse Embryonic Stem Cells Peris B.; de Anta J.M.; Monzo M.; Ruano-Gil D. (Barcelona)	232	The Borders of Vascular Areas of Superior and Inferior Mesenteric Arteries Radonjić V.; Đurić-Srejić M. (Beograd)	250
Immunohistochemical Study of Some Specific Defense Mechanisms in the External Auditory Canal Perra M.T.; Sirigu P.; Turmo F. (Cagliari)	233	The Clinical Importance of Blood Supply of the Colon Radonjić V.; Radonjić V.B. (Beograd)	251
Morphologic and Immunohistochemical Features of Astrocytes in Adult Human Brain Tissue Perželova A.; Mačiková I.; Mráz P. (Bratislava)	234	Morphometrical Analysis of Renal Interstitium Changes during the Aging Process Rančič G.; Antić S.; Petrović S.; Mojsilović M.; Duknić M.; Mihailović D. (Niš)	252
Changes in the Neocortex of Rhesus Monkeys during Aging Peters A. (Boston)	235	The Position of Anatomy in the Development and Teaching of Minimal Invasive Surgery Recknagel S.; Witte H.; Koziánka J.; Waleczek H.; Grifka J.; Preuschhof H. (Bochum)	253
Salivary Glands, Cellular Evolution and Adaptive Radiation in Mammals Phillips C.J.; Tandler B. (Normal, Ill./Kitakyus)	236	Insulin-Like Growth Factor-1 in the Endocrine Pancreas of Birds, Reptiles and Amphibia and Its Coexistence with Classical Islet Hormones Reinecke M.; Broger I.; Brun R.; Zapf J.; Maake C. (Zürich)	254
Clinical Relevance of Gross Anatomy for the First-Year Dental Student: A Collaborative Initiative Involving Intraoral Injections on Cadavers Bowie E.P.; Bell F.A. (San Antonio, Tex.)	237	Immunolocalization of TNF- $\alpha$ in Mast Cells of the Human Nasal Mucosa Riccardi R.; Bacci S.; Borghi Cirri M.B. (Firenze)	255
Salivary Glands, Glycoconjugates and Diabetes mellitus Pinkstaff C.A. (Morgantown)	238	Estrogen and Progesterone Receptors in Human Nasal Mucosa Riederer A.; Krötsch C.; Knipping St. (München)	256
Posterior Longitudinal Ligament Plaisant O.; Cosnard G.; Schill H.; Gillot C.; Lassau J.-P. (Paris)	239	The Thymic Microenvironment Ritter A.M. (London)	257
Heterogeneity of Intimal Aortic Smooth Muscle Cells in the Regions of Flow Division Polishchuk R.S.; Kolpakov V.A.; Bannykh S.I.; Rekhter M.D.; Solovjev P.B.; Antonov A.S.; Tararak E.M.; Mironov A.A. (Ivanovo)	240		

Further Data on Intracellular Structures of Human Salivary Glands: A SEM Study Riva A.; Congiu F.; Loffredo F.; Testa-Riva F. (Cagliari)	258	Distribution of the Nerve Fibers in the Vomeronasal Parenchyma in Cows and Horses Salazar I.; Cifuentes J.M.; Quintero P.S.; Román A. (Lugo)	274
The Anatomical Waxes by Clemente Susini of the University of Cagliari Riva A.; Lai I. (Cagliari)	259	Morphological, Physiological and Genetic Evidence for a Role of Interstitial Cells as Intestinal Pacemakers Sanders K.M.; Torihashi S.; Burns A.; Ward S.M. (Reno, Nev./Nagoya)	275
Anatomo-Physiological Mechanisms of Postural Regulation Studied by Means of the Electronic Baropodometer Rizzi A.; Palombo S.; Benagiano V.; Ranieri M.; Fiore P.; Megna M.; Megna G.; Ambrosi G. (Bari)	260	The Occurrence of Myocardial Bridges in Our Experience Santacroce L.; Saltarelli G.; Gigante M.R.; D'Agostino D.; Sinigaglia E.; Santacroce S. (Bari)	276
The Neurons in the Paramamillary Nuclei of Aurochs Robak A.; Szteyn S.; Równiak M. (Olsztyn)	261	Biochemical Analysis of the Intracellular Trafficking of the Alzheimer Amyloid Precursor Protein Santone I.; Buccione R.; Flati S.; De Matteis M.A.; Luini A. (S. Maria Imbaro)	277
Immunohistochemical Study of the Neurons Projecting to the Flocculus in the Abducens Nucleus of the Rat: A Double-Labeling Study Rodella L.; Rezzani R.; Gioia M.; Bianchi R. (Brescia/Milano)	262	Immune System and Emotional Stress Sapin M.R. (Moscow)	278
Postnatal Evolution of the Epididymis in <i>Octodon degus</i> : An Immunohistochemical and Morphological Study Rojas M.A.; Regadera J.; Esponda P.; Bustos-Obregón E. (Santiago/Madrid)	263	Structure of Capillaries of the Microcirculatory Bed of the Lower Extremity under Obliterative Atherosclerosis after Lumbar Sympathectomy Satjukova G.S.; Kurguzov O.P. (Moscow)	279
X-Ray Microanalysis of Ion Transport in Salivary Glands Roomans G.M. (Uppsala)	264	Tuft Cells in the Main Excretory Duct Epithelia of the Three Major Rat Salivary Glands Sato A. (Fukuoka)	280
The Digital Anatomist Program at the University of Washington: A Prototype for Computer-Based Knowledge Sources in Anatomy Rosse C.; Conley D.M.; Ratiu P.; Sundsten J.W.; Rauschnig W.; Brinkley J.F. (Seattle)	265	A Rare Vascular Variation of the Lower Extremity with Important Clinical Implications Savov J.; Wassilev W. (Sofia)	281
A New Technique of Perfusion-Fixation Employing GA in an Oxygen-Carrying Blood Substitute Vehicle and a Peristaltic Pump Controlled by Pressure Feedback Rostgaard J.; Qvortrup K.; Poulsen S.S. (Copenhagen)	266	The Vascular Arrangement on the Choroid Plexuses in the Buffalo Brain Scala G.; Mirabella N.; Esposito V.; Pelagalli G.V. (Napoli)	282
Analysis of Laughter and Speech Sounds in Man Rothgänger H.; Hauser G.; Cappellini A.C.; Guidotti A. (Berlin/Wien/Siena)	267	The Morphology of the Epithelial Cell Population of the Parabronchus in Barn Owl ( <i>Tyto tyto alba</i> ), Domestic Fowl ( <i>Gallus gallus f. domestica</i> ), Quail ( <i>Coturnix coturnix</i> ) and Pigeon ( <i>Columbia livia</i> ) Scheuermann D.W.; Klika E.; De Groot-Lasseel M.H.A.; Bazantova I. (Antwerp)	283
The Surgical Importance of Microvascularization of the Bile Duct Rottenberg N.; Matusz P.; Niculescu V.; Poenaru D.; Motoc A. (Timisoara)	268	Morphological and Cytochemical Investigations of the Enteric Nervous System in the Porcine and Human Small Intestine Scheuermann D.W.; Timmermans J.P. (Antwerp)	284
Some Aspects of the Ischiadic Nerve Microcirculation Rottenberg N.; Niculescu V.; Matusz A.; Niculescu M. (Timisoara)	269	The Collection of Obstetrical Wax Models at the Vienna Military Medical Academy Schmidt G.; Holubar K. (Wien)	285
The Effect of Antenatal Levodopa on Neurons of Autonomic Ganglia Rudenok V.V. (Minsk)	270	Masculinization Induced during Ovarian Differentiation in Rabbit in an Organ Culture Segalen J.; Djehiche B.; Chambon Y. (Rennes)	286
The Birth of Waxwork Modelling in Bologna Ruggeri A.; Bertoli Barsotti A.M.; Ruggeri F. (Bologna)	271	Dynamics of Salivary Secretion Studied by Confocal Laser and Scanning Electron Microscopy Segawa A.; Riva A. (Kitasato/Cagliari)	287
Localization of Tenascin in Goat Latissimus dorsi Muscle Dynamically Conditioned for Biomechanical Cardiac Assistance Rumpel E.; Vollmer G.; Guldner N. (Lübeck)	272	Superoxide Production in Human Neutrophils Is Localized in Alkaline Phosphatase-Positive Granules Seguchi H.; Kobayashi T. (Kochi)	288
Neuropathological Changes in Ischemic Spinal Cord after Intrathecal Injection of MK-801 Saganová K. (Kosice)	273	The Structure of the Human Carotid Body Seker M.; Pallot D.J.; Habeck J.O. (Al Ain/Chemnitz)	289

Alterations of Rat Fetus Palate Epithelium after Methylmercury Administration: A Stereological Study Semprini M.; Vale S.A.L.; Lopes R.A.; Sala M.A. (São Paulo)	290	Histological Convergent Evolution of the Accessory Submandibular Glands in Four Species of Frog-Eating Bats Tandler B.; Carleton J.P. (Kitakyushu/Normal, Ill.)	307
Students' Emotions and Reactions to Cadaver Dissection Şendemir E. (Bursa)	291	The Morphological Basis of Cellular Coupling in the Interstitial Cell of Cajal/Intestinal Smooth Muscle System Thuneberg L.; Mikkelsen H.B. (Copenhagen)	308
Connexin Expression in the Salivary Glands Shimono M.; Muramatsu T.; Hashimoto S.; Inoue T. (Chiba)	292	Nitroergic Neuron Populations in the Enteric Nervous System of Vertebrates Timmermans J.P.; Cornelissen W.; Adriaensen D.; Schemann M.; De Groodt-Lasseel M.H.A.; Scheuermann D.W. (Antwerp/Hannover)	309
Anthropometric Remarks on the Mean Length between the Inguinal Ligament and Fossa ovalis Siciliani de Cumis G.V.; Delbello G.; Bratina F. (Trieste)	293	Effect of Lipopolysaccharide and Leukiferon on Heparin Content in Rat Skin Mast Cells Trubina E.V.; Botchkarev V.A. (Chuvash)	310
Position and Structure of Testes in the Brown Hare ( <i>Lepus europaeus</i> ) during Period July–December Simeunović B.; Bavdek S.V.; Lorgjer J. (Ljubljana)	294	The Number and Distribution of the Colic Arteries as Causal Factors of the Morphologic Types of the Ascending Colon Paracolic Arterial Arcade Truscă D.; Niculescu V.; Rottenberg F.; Zăhoi D.; Farcă M. (Timisoara)	311
Morphological Variations in the Structures of Eustachian Tube Related to Age Skarżyńska B.; Wysocki J.; Skarżyński H. (Warsaw)	295	Anatomical Study on the Intramuscular Distribution of the Nerve Branches at the Shoulder Muscles Ulmeanu D.; Bordei P.; Iliescu D. (Constantza)	312
Effects of Mechanical Loading in vivo on Osteocyte Gene Expression and Periosteal Bone Formation Skerry T.M. (Bristol)	296	Immunohistochemical Research on Vasopressin in the Accessory Hypothalamic Nuclei during Development in Rats Valentino B.; Farina-Lipari E.; Lipari D. (Palermo)	313
Distribution of Nitric Oxide Producing Neurons in the Olfactory Bulb and in the Nucleus olfactorius anterior of the Rat Spessert R.; Vollrath L. (Mainz)	297	Morphostructural Findings of Long Bones Belonging to Skeletons in the Necropolis at Naxos: Preliminary Remarks Valenza V.; Farina F.; Carini F.; Ridola C. (Palermo)	314
Endoluminal Ultrasonography of the Eustachian Tube: First Anatomical Results of a Noninvasive Diagnostic Method Sprinzel G.M.; Gotwald T.F.; Frauscher F.; Völklein C.; Brenner E.; Helweg G. (Innsbruck)	298	Cholinergic Neurons in the Rat Ileum during Development Vannucchi M.G.; Faussonne-Pellegrini M.S. (Firenze)	315
Spermidine Modulates Sulfated Glycosaminoglycan Synthesis and Avian Skin Differentiation Stabellini G.; Pellati A.; Carinci P.; Caruso A. (Ferrara)	299	Morphometrical Analysis of Lateral Sulcus and Middle Cerebral Artery System Evolution Varlam H.; Antohe D.St.; Macovei G.N. (Iași)	316
Morphology, Topography and Projections of Some Large Intestine Neurons in the Pig Stach W. (Rostock)	300	Classification of Abnormal Arterial Duplications of Vertebrobasilar and Carotid Systems Vasović L. (Niš)	317
Neurohormonal Control of Gastrointestinal Motility: Clinical Implications Stanghellini V.; De Giorgio R.; Barbara G.; Corinaldesi R. (Bologna)	301	Roentgen: 100 Years Later Villari N.; Dal Pozzo G. (Firenze)	318
The Distance between the Aqueduct and the Substantia nigra on Transverse Sections of Midbrain Stanković G.; Dragančić S.; Mijač M.; Bećirović V. (Beograd)	302	The Organization of the Collagen Fibrils in the Myoma and in the Normal Myometrium: A Scanning Electron Microscopic Study Vizza E.; Correr S.; Mazzon I.; Shireli C. (Roma)	319
The Distance between the Aqueduct and the Incisura tentorii on Horizontal Sections of Midbrain Stanković G.; Dragančić S.; Mijač M.; Bećirović V. (Beograd)	303	The Fibromuscular Skeleton of the Human Fallopian Tube Vizza E.; Correr S.; Muglia U.; Motta P.M. (Roma/Messina)	320
Pancreatico-Choledochal Angle in Pancreas divisum: An Anatomical Evaluation of ERCP Štimec B.; Dorđević Lj.; Blagočić M.; Bulajić M. (Beograd)	304	Regulation of Surface Aminopeptidase N Activity in Human Dermal Fibroblasts Vlahović P.; Stefanović V.; Avramović V. (Niš)	321
The Enteric Nervous System in the Control of Interdigestive and Postprandial Gastric Motility Tack J.F. (Leuven)	305	Thyroid Hormones as Modulators of Ovarian Development and Function Volcova O.V. (Moscow)	322
Secretory Granule Formation and Synthesis Pathway of Secretory Proteins in Salivary Gland Cells Takano K. (Nagasaki)	306	The Layers of the Lateral Wall of the Cavernous Sinus Vučetić R.; Vučetić D. (Niš)	323

Treatment of Megaureters Using Detrusor Tunneling Extravesical Uterocystoneostomy Vukadinović V.; Milanović D.; Perović S.; Ilić A. (Beograd)	324	Histochemical Investigation of Newborn's Coronary Arteries Wall Characteristics Mojsilović M.; Rančić G.; Petrović S.; Duknić M.; Mihailović D. (Niš)	340
Stereo Architecture of the Connective Tissue Cores of the Gingiva in the Armadillo, <i>Dasyurus novemcinctus</i> Watanabe L.S.; Mizusaki C.I.; Makiyama M.C.K.; Semprini M.; Iyomasa M.M.; Lopes R.A.; Motta P.M. (São Paulo/Roma)	325	The Frequency of Hyperdontia and Hypodontia on Historical Anthropological Material Mucić D. (Beograd)	341
Scanning Electron Microscopy Study of the Palatine Salivary Glands of Rabbits Watanabe L.S.; Motta P.M. (São Paulo/Roma)	326	The Presence of Fenestrations and Dehiscences on the Alveolar Processus of the Maxilla and Mandibula of our Ancestors Mucić D. (Beograd)	342
Motility Disorders after Correction of Anorectal Malformations: Constipation Is a Major Problem Wessel L.; Hosie S.; Ballauff A.; Krammer H.-J.; Koletzko S.; Waag K.-L. (Mannheim/Düsseldorf)	327	Author Index	361
Variations of the Abductor pollicis longus Muscle with Regard to Hand Surgery Witte B.; Herrmann M. (Ulm)	328		
New Aspects of the Functional Anatomy of Energy Storage in the Human Locomotor Apparatus Witte H.; Recknagel S.; Rao J.G.; Lesch C.; Preuschoft H. (Bochum)	329		
Morphometry of Acetabular labrum and Acetabular transverse Ligament of Hip Joints in Human Fetuses Wojciuk P.; Zajac D. (Warsaw)	330		
Dimensions of the Cochlear Scales in Man with Reference to Cochlear Implantation Wysocki J.; Skarzyńska B.; Skarzyńska H. (Warsaw)	331		
On the Significance of Lamellated Structure of Golgi Apparatus in the Parotid Acinar Cells Yamashina S.; Tamaki B. (Sagamihara)	332		
Age-Related Changes in Calbindin D-28K Immunoreactivity in the Cerebellar Cortex Zaccheo D.; Sabbatini M.; Vega J.A.; Amenta F. (Genova/Oviedo/Camerino)	333		
Cytoarchitectonic <sup>1</sup> H-NMR and EPRS Comparative Study of the Normal and Ischemic Spinal Cord Zlatoš J.; Lombardi V.; Melnik M.; Valko L. (Bratislava/Bari)	334		
Specific Interactions between Endogenous Lectins and Complex Glycoconjugates during Viscerocranial Bone Development Zschäbitz A.; Weiser H.; Krahn V.; Koepp H.; Gabius H.J.; Biesalski H.K.; Stofft E. (Mainz)	335		
Frequency of Myocardial Bridges over Various Branches of the Coronary Arteries Zwaliński M.; Koźluk E.; Kozłowski D.; Adamowicz M.; Grzybiak M.; Walczak E. (Gdansk/Warsaw)	336		
The Morphology of DNA Replication Units Falconi M.; Galanzi A.; Matteucci A.; Manzoli L.; Mazzotti G. (Bologna/Chieti)	337		
The Ontogenesis of Upper Midlabial Frenulum Montella A.; Delogu P.L.; Tedde Piras A. (Sassari)	338		
Identification and Distribution of Vasoactive Intestinal Peptide-Like Immunoactivity in the Liver and Gall Bladder of the Human Fetus Nikolić L.; Todorović V.; Koko V.; Leposavić G.; Lačković V.; Mitić M.; Petrović A. (Niš/Beograd)	339		