

Vol. 42, 2009

Official Journal of the Italian Polyspecialist Society of Young Surgeons (IPSYS)

European Surgical Research

Clinical and Experimental Surgery

Founded 1969

Editors: W. Brendel (1975–1989†) and K. Messmer (1975–2005)

Editor-in-Chief

O. Kempster, Mainz

Editorial Board

L. Ansaloni, Bologna
H.G. Beger, Ulm
M. Boros, Szeged
U.B. Brückner, Ulm
M. Cainzos, Santiago de Compostela
R.Y. Calne, Cambridge
F. Catena, Bologna
L. Dominioni, Varese
U. Haglund, Uppsala
M. Heberer, Basel
U. Hesse, Stuttgart
U. Hopt, Freiburg
E. Klar, Rostock
R. Margreiter, Innsbruck
H.E. Myrvold, Trondheim
J. Niinikoski, Turku
S. Post, Mannheim
B. Risberg, Göteborg
R. Schosser, Heidelberg
Y. Yamamoto, Akita

Honorary Editor

K. Messmer, Munich



Italian Polyspecialist
Society of Young Surgeons
(IPSYS)

Editorial Representatives

G. Docimo, Naples

L. Leone, Rome

C. Talarico, Chiaravalle Centrale

KARGER

Basel • Freiburg • Paris • London • New York • Bangalore •
Bangkok • Shanghai • Singapore • Tokyo • Sydney

S. Karger
Medical and Scientific Publishers
Basel • Freiburg • Paris • London •
New York • Bangalore • Bangkok •
Shanghai • Singapore • Tokyo • Sydney

Disclaimer

The statements, opinions and data contained in this publication are solely those of the individual authors and contributors and not of the publisher and the editor(s). The appearance of advertisements in the journal is not a warranty, endorsement, or approval of the products or services advertised or of their effectiveness, quality or safety. The publisher and the editor(s) disclaim responsibility for any injury to persons or property resulting from any ideas, methods, instructions or products referred to in the content or advertisements.

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 'General Information').

© Copyright 2009 by S. Karger AG,
P.O. Box, CH-4009 Basel (Switzerland)
Printed in Switzerland
on acid-free and non-aging paper (ISO 9706) by
Reinhardt Druck, Basel

KARGER

Fax +41 61 306 12 34
E-Mail karger@karger.ch
www.karger.com

No. 1

Original Papers

- 1 Bone Mineral Density and Vitamin D Status in Female and Male Patients with Osteoarthritis of the Knee or Hip**
Breijawi, N. (Mainz); Eckardt, A. (Rheinfelden); Pitton, M.B. (Mainz); Hoelzl, A.J. (Hull); Giesa, M. (Mainz); von Stechow, D. (Frankfurt); Haid, F.; Drees, P. (Mainz)
- 11 Early Propranolol Administration Does Not Prevent Development of Esophageal Varices in Cirrhotic Rats**
Alatsakis, M.; Ballas, K.D.; Pavlidis, T.E.; Psarras, K.; Rafailidis, S.; Tzioufa-Asimakopoulou, V.; Marakis, G.N.; Sakantamis, A.K. (Thessaloniki)
- 21 Single-Center Experience of Therapeutic Management of Hepatic Artery Stenosis after Orthotopic Liver Transplantation. Report of 20 Cases**
Chen, G.-H.; Wang, G.-Y.; Yang, Y.; Li, H.; Lu, M.-Q.; Cai, C.-J.; Wang, G.-S.; Xu, C.; Yi, S.-H.; Zhang, J.-F.; Fu, B.-S. (Guangzhou)
- 28 Involvement of Nitric Oxide in Microcirculatory Reactions after Ischemia-Reperfusion of the Rat Urinary Bladder**
Bajory, Z. (Munich/Szeged); Szabó, A.; Király, I.; Pajor, L. (Szeged); Messmer, K. (Munich)
- 35 Development of a New Animal Model of Liver Cirrhosis in Swine**
Zhang, J.-J.; Meng, X.-K. (Hohhot); Dong, C. (Little Rock, Ark.); Qiao, J.-L.; Zhang, R.-F.; Yue, G.-Q.; Zhong, H.-Y. (Hohhot)
- 40 Anti-Inflammatory Action of a Phosphatidylcholine, Phosphatidylethanolamine and N-Acylphosphatidylethanolamine-Enriched Diet in Carrageenan-Induced Pleurisy**
Erős, G.; Varga, G.; Váradi, R.; Czöbel, M.; Kaszaki, J. (Szeged); Ghyczy, M. (Cologne); Boros, M. (Szeged)
- 49 Design and Fabrication of Three-Dimensional Scaffolds for Tissue Engineering of Human Heart Valves**
Schaefermeier, P.K. (Munich); Szymanski, D. (Berlin); Weiss, F. (Munich); Fu, P. (Berlin); Lueth, T. (Garching); Schmitz, C.; Meiser, B.M.; Reichart, B.; Sodian, R. (Munich)
- 54 The Fat Content of Small Primary Breast Cancer Interferes with Radiofrequency-Induced Thermal Ablation**
Athanassiou, E.; Sioutopoulou, D.; Vamvakopoulos, N.; Karasavvidou, F.; Tzovaras, G.; Tziastoudi, E.; Sakellariou, M.; Hatzitheofilou, C. (Larissa)
- 59 Ischemic Intestinal Injury during Cardiopulmonary Bypass Does Not Show an Association with Neutrophil Activation A Porcine Study**
Jormalainen, M.; Vento, A.E.; Wartiovaara-Kautto, U.; Suojaranta-Ylinen, R.; Lauronen, J. (Helsinki); Paavonen, T. (Oulu); Petäjä, J. (Espoo)

Case Report

- 17 Primary Ewing Sarcoma of the Stomach – A Newly Described Entity**
Rafailidis, S.; Ballas, K.; Psarras, K.; Pavlidis, T.; Symeonidis, N.; Marakis, G.; Sakadamis, A. (Thessaloniki)

70 SPIGC News

No. 2

Original Papers

- 71 The Effects of Nitric Oxide Donor Molsidomine on Skeletal Muscle Damage in a Rat Hind Limb Model of Ischemia-Reperfusion**
Öztürk, K. (Istanbul); Ozyurt, H. (Tokat); Somay, A.; Karaca, C. (Istanbul)
- 78 Glycerol-Preserved Arterial Allografts Evaluated in the Infrarenal Rat Aorta**
Fahner, P.J.; Idu, M.M.; van Gulik, T.M.; van Wijk, B.; van der Wal, A.C.; Legemate, D.A. (Amsterdam)
- 87 Ischemia-Modified Albumin and Flap Viability**
Livaoglu, M.; Kerimoğlu, S.; Karahan, S.C.; Menteşe, A.; Sözen, E.; Karaçal, N.; Topbaş, M. (Trabzon)
- 91 Wound Healing Is Not Impaired in Rats Undergoing Perioperative Treatment with the Antineoplastic Agent Taurolidine**
Braumann, C.; Guenther, N.; Pohlenz, J.; Pfirrmann, R.W.; Menenakos, C. (Berlin)
- 97 Vascular Anatomy of the Hamster Retractor Muscle with Regard to Its Microvascular Transfer**
de With, M.C.J.; de Vries, A.M.; Kroese, A.B.A.; van der Heijden, E.P.A.B.; Bleys, R.L.A.W. (Utrecht); Segal, S.S. (Columbia, Mo.); Kon, M. (Utrecht)
- 109 The Clinical Significance of Serum Procalcitonin Levels following Direct Hemoperfusion with Polymyxin B-Immobilized Fiber Column in Septic Patients with Colorectal Perforation**
Shimizu, T.; Hanasawa, K. (Shiga); Sato, K. (Shizuoka); Umeki, M. (Hyogo); Koga, N. (Saga); Naganuma, T. (Mie); Sato, S. (Saga); Shimonishi, T. (Fukuoka); Ikeda, T.; Matsuno, N. (Tokyo); Ono, S. (Tokorozawa); Saitoh, H. (Kanazawa); Satoh, K. (Tokyo); Otani, Y. (Kanagawa); Endo, Y.; Eguchi, Y.; Tani, T. (Shiga)
- 118 Degradation of Collagen by Metalloproteinase 2 in Patients with Abdominal Hernias**
Śmigielski, J.; Kołomecki, K.; Ziemniak, P.; Drozda, R.; Amsolik, M.; Kuzdak, K. (Lodz)
- 122 Measurements of Subcutaneous Tissue PO₂ Reflect Oxygen Metabolism of the Small Intestinal Mucosa during Hemorrhage and Resuscitation. An Experimental Study in Pigs**
Mellström, Å.; Månsson, P.; Jönsson, K.; Hartmann, M. (Malmö)
- 130 Hyperbaric Oxygen Reduces Inflammatory Response in Acute Pancreatitis by Inhibiting NF-κB Activation**
Yu, X.; Li, Y.G.; He, X.W.; Li, X.R.; Din, B.N.; Gan, Y.; Xu, M. (Changsha)

Short Communication

- 106 New Practical Course for Laparoscopy Training: Anatomizing the Orange**
Wang, H.; Yang, B.; Xu, C.; Sun, Y. (Shanghai)
- 136 SPIGC News**

- 137 Retrospective Analysis of Thyroid Nodules by Clinical and Pathological Characteristics, and Ultrasonographically Detected Calcification Correlated to Thyroid Carcinoma in South China**
Chen, G.; Zhu, X.Q.; Zou, X.; Yao, J.; Liang, J.X.; Huang, H.B.; Li, L.T.; Lin, L.X. (Fuzhou)
- 143 Maxillary Sinus Grafting with a Nano-Structured Biomaterial: Preliminary Clinical and Histological Results**
Stübinger, S. (Frankfurt am Main/Basel); Ghanaati, S.; Orth, C.; Hilbig, U. (Mainz); Saldamli, B. (Frankfurt am Main/Basel); Biesterfeld, S.; Kirkpatrick, C.J. (Mainz); Sader, R.A. (Frankfurt am Main/Basel)
- 150 Er:YAG Laser Osteotomy: Preliminary Clinical and Histological Results of a New Technique for Contact-Free Bone Surgery**
Stübinger, S. (Basel/Frankfurt am Main); Ghanaati, S. (Mainz); Saldamli, B. (Basel/Frankfurt am Main); Kirkpatrick, C.J. (Mainz); Sader, R. (Basel/Frankfurt am Main)
- 157 Inhibition of Hemoxygenase-1 Improves Survival after Liver Resection in Jaundiced Rats**
Scheingraber, S.; Bauer, M.; Bauer, L.; Bardens, D.; Abel, K.; Horn, A.-K.; Schilling, M.K. (Homburg); Wolff, M. (Bonn)
- 168 67-kDa Laminin Receptor in Human Bile Duct Carcinoma**
Li, D.; Chen, J.; Gao, Z.; Li, X.; Yan, X.; Xiong, Y.; Wang, S. (Chongqing)
- 174 Treatment of Penetrating Hepatic Injuries: A Retrospective Analysis of 50 Patients**
Gonullu, D.; Koksoy, F.N.; Ilgun, S.; Demiray, O.; Yucel, O. (Istanbul); Yucel, T. (Sakarya)
- 181 Two-Stage Portal Vein Ligation Facilitates Liver Regeneration in Rats**
Sugimoto, T.; Yamada, T.; Iwata, H.; Sekino, T.; Matsumoto, S.; Ishida, N.; Manabe, H.; Kimura, M.; Takemura, H. (Gifu)
- 189 Effect of Nitric Oxide/Cyclic Guanosine Mono-phosphate Pathway on Gallbladder Relaxant Response in Bile Duct-Ligated Guinea Pigs**
Aydin, C.; Bagcivan, I.; Yildirim, S.; Koyuncu, A.; Topcu, O.; Soylu, S.; Özer, H. (Sivas)
- 195 Tumor Cell Dissemination in a Human Colon Cancer Animal Model: Orthotopic Implantation or Intraportal Injection?**
Thalheimer, A.; Otto, C.; Bueter, M.; Illert, B.; Gattenlohner, S.; Gasser, M.; Fein, M.; Germer, C.T.; Waaga-Gasser, A.-M. (Würzburg)
- 201 SPIGC News**

- 203 Outcomes after Combined Laparoscopic Gastrectomy and Laparoscopic Cholecystectomy in Gastric Cancer Patients**
Jeong, I.H. (Jeju City); Choi, S.U.; Lee, S.R.; Kim, J.H. (Suwon); Park, J.M.; Jin, S.H. (Seoul); Choi, E.K. (Jeju City); Cho, Y.K.; Han, S.U. (Suwon)
- 209 Wound Healing in Colonic Anastomosis in Hypothyroidism**
Thá Nassif, A.C.; Hintz Greca, F.; Graf, H. (Curitiba); Domingues Repka, J.C. (Campina Grande do Sul); Nassif, L.S. (Curitiba)
- 216 Cytokine Changes during Warm Ischemia and Reperfusion of the Pig Liver with or without Preconditioning**
Kannerup, A.-S.; Grønbaek, H.; Funch-Jensen, P.; Tønnesen, E.; Jørgensen, R.L.; Mortensen, F.V. (Aarhus C)
- 223 Decreased Expression of p12^{DOC-1} Is Associated with More Advanced Tumor Invasion in Human Gastric Cancer Tissues**
Choi, M.-G.; Sohn, T.S. (Seoul); Park, S.B. (Chuncheon); Paik, Y.H. (Goyang); Noh, J.H.; Kim, K.-M.; Park, C.-K.; Kim, S. (Seoul)
- 230 Fractionated Plasma Separation and Adsorption Significantly Decreases Intracranial Pressure in Acute Liver Failure: Experimental Study**
Ryska, M.; Laszikova, E.; Pantoflicek, T.; Ryska, O.; Prazak, J.; Koblihovala, E. (Prague)
- 236 Effect of Supplemental Oxygen versus Dobutamine Administration on Liver Oxygen Tension in dPP-Guided Normovolemic Pigs**
Pestel, G.; Fukui, K. (Mainz); Hager, H. (Vienna); Kurz, A. (Cleveland, Ohio); Hildebrand, L. (Bern)
- 249 Local VEGF Administration Enhances Healing of Colonic Anastomoses in a Rabbit Model**
Ishii, M. (Isehara); Tanaka, E. (Isehara/Tokyo); Imaizumi, T.; Sugio, Y.; Sekka, T.; Tanaka, M.; Yasuda, M.; Fukuyama, N.; Shinozaki, Y. (Isehara); Hyodo, K. (Tsukuba); Tanioka, K.; Mochizuki, R. (Tokyo); Kawai, T. (Hamamatsu); Mori, H. (Isehara/Suita); Makuuchi, H. (Isehara)
- Case Report
- 245 Supernumerary Nostril. A Rare Congenital Nasal Deformity: Case Report and Literature Review**
Sun, Z.-Y. (Nanning); Li, H. (Shenyang); Zhang, M.-J. (Kunming); Zhao, H.; Xu, W.; Xiao, H.; Guo, Y.-X.; Wen, Z.; Yin, G.-Q. (Nanning)
- 258 SPIGC News**
- 259 Author Index Vol. 42, 2009**
- 261 Subject Index Vol. 42, 2009**