

# Contents of Volume 129

Number 1, November 2005

## CARDIOTHORACIC

- Stem Cell Transplantation as a Therapeutic Approach to Organ Failure. *Ryan D. Nagy, Ben M. Tsai, Meijing Wang, Troy A. Markel, John W. Brown, and Daniel R. Meldrum* . . . . . 152

## EDUCATION

- Using Root Cause Analysis to Improve Survival in a Liver Transplant Program. *James D. Perkins, Adam E. Levy, Julie B. Duncan, and Robert L. Carithers, Jr.* . . . . . 6
- High Doses of Taurolidine Inhibit Advanced Intraperitoneal Tumor Growth in Rats. *Chris Braumann, Benedikt Stuhldreier, Eva Bobrich, Charalambos Menenakos, Stephan Rogalla, and Christoph A. Jacobi* . . . . . 129

## GASTROINTESTINAL

- New Measurement of Hepatic Blood Flow by Xenon CT System: An Animal Study with PGE1. *Shouho Hayashi, Keizo Dono, Junzo Shimizu, Takamichi Murakami, Manabu Takamura, Tonsok Kim, Masatoshi Hori, Zhenhui Lu, Hiroaki Nagano, Shoji Nakamori, Masato Sakon, Hironobu Nakamura, and Morito Monden* . . . . . 24
- Attenuation of Ischemic Injury by *N*-Acetylcysteine Preconditioning of the Liver. *Vassilios Smyrniotis, Nikolaos Arkadopoulos, Georgia Kostopanagiotou, Theodoros Theodoropoulos, Kassiani Theodoraki, Charalampos Farantos, Evi Kairi, and Agathi Paphiti* . . . . . 31
- The Effect of *N*-Acetylcysteine on Pulmonary Lipid Peroxidation and Tissue Damage. *Tamer Akca, Hakan Canbaz, Canten Tataroglu, Mehmet Caglikulekci, Lulufer Tamer, Tahsin Colak, Arzu Kanik, Oner Bilgin, and Suha Aydin* . . . . . 38
- Asialo GM1 Positive CD8<sup>+</sup> T Cells Induce Skin Allograft Rejection in the Absence of the Secondary Lymphoid Organs. *Satoshi Yamanokuchi, Iwao Ikai, Ryuta Nishitai, Takakazu Matsushita, Shinichi Sugimoto, Tomohiro Shiotani, and Yoshio Yamaoka* . . . . . 57
- Differential Role of Vagus Nerve in Maintaining Diurnal Gene Expression Rhythms in the Proximal Small Intestine. *Ali Tavakkolizadeh, Anthony Ramsanahie, Lynne L. Levitsky, Michael J. Zinner, Edward E. Whang, Stanley W. Ashley, and David B. Rhoads* . . . . . 73
- Beneficial Effects of Intravenous Administration of Lipo-Prostaglandin E1 on the Ischemic Gastric Tube in Pigs. *Shoichi Tobari, Yoshifumi Ikeda, and Hiroshi Takami* . . . . . 79
- Effects of Luminal ATPase Inhibitors on Electrogenic Ion Transport in Rat Distal Colon. *Julio M. Mayol, Pilar Alarma-Estrany, Yolanda Adame-Navarrete, Elena Molina Roldan, Fernando Huete Toral, and Jesus A. Fernandez-Represa* . . . . . 85
- Esophageal Injury with External Esophageal Perfusion. *Yan Li, John M. Wo, Ruifeng R. Su, Mukunda B. Ray, Whitney Jones, and Robert C.G. Martin* . . . . . 107
- Anterior Resection of Rectal Cancer Through a One Hand-Size Incision with or without Laparoscopy: Proposal of One Hand-Size Incision Surgery (OHASIS). *Yoshiyuki Yamaguchi, Kazuhito Minami, Yoshiharu Kawabuchi, Manabu Emi, and Tetsuya Toge* . . . . . 136
- A Novel Molecular Marker of Pituitary Tumor Transforming Gene Involves in a Rat Liver Regeneration. *Kozo Akino, Sadanori Akita, Toru Mizuguchi, Ichiro Takumi, Run Yu, Xhi-yong Wang, Jacek Rozga, Achilles A. Demetriou, Shlomo Melmed, Akira Ohtsuru, and Shunichi Yamashita* . . . . . 142

## METABOLISM/NUTRITION

- Metabolic Clearance of the Antioxidant Ascorbic Acid in Surgical Patients. *A. Rümelin, T. Humbert, O. Lühker, A. Drescher, and U. Fauth* . . . . . 46

The Effect of Global SSTR5 Gene Ablation on the Endocrine Pancreas and Glucose Regulation in Aging Mice. <i>X.P. Wang, M. Norman, J. Yang, S.H. Liu, J. Magnusson, F.J. DeMayo, and F.C. Brunnicardi</i> .....	64
--	----

**ONCOLOGY**

Study of Apoptosis and Heat Shock Protein (HSP) Expression in Hepatocytes Following Radiofrequency Ablation (RFA). <i>R. Rai, C. Richardson, P. Flecknell, H. Robertson, A. Burt, and D.M. Manas</i> .....	147
Metastases-Related Genes in the Classification of Liver and Peritoneal Metastasis in Human Gastric Cancer. <i>R. Fukui, H. Nishimori, F. Hata, T. Yasoshima, K. Ohno, H. Nomura, Y. Yanai, H. Tanaka, K. Kamiguchi, R. Denno, N. Sato, and K. Hirata</i> .....	94

**SHOCK/SEPSIS/TRAUMA/CRITICAL CARE**

Inhibition of Intestinal Transit by Resuscitation-Induced Gut Edema is Reversed by L-NIL. <i>S. D. Moore-Olufemi, H. Xue, S. J. Allen, F. A. Moore, R. H. Stewart, G. A. Laine, and C. S. Cox, Jr.</i> .....	1
Heat Shock Inhibits NF- $\kappa$ B Activation in a Dose- and Time-Dependent Manner. <i>Michael T. Schell, Austin L. Spitzer, Jennifer A. Johnson, Diana Lee, and Hobart W. Harris</i> .....	90
IL-10 Plasma Levels are Elevated After LPS Injection in Splenectomized A/J Mice. <i>Manuel B. Torres, Virginia L. Vega, Mazen Bedri, Daniel Saad, Heiko Trentzsch, Roger H. Reeves, and Antonio De Maio</i> .....	101
Heat Shock Response Inhibits NF- $\kappa$ B Activation and Cytokine Production in Murine Kupffer Cells. <i>Dongxu Sun, Dechang Chen, Bin Du, and Jiaqi Pan</i> .....	114
Heart Rate Variability Predicts Trauma Patient Outcome as Early as 12 h: Implications for Military and Civilian Triage. <i>Patrick R. Norris, John A. Morris, Jr., Asli Ozdas, Eric L. Grogan, and Anna E. Williams</i> .....	122
Opiate Analgesics Contribute to the Development of Post-Injury Immunosuppression. <i>Michelle Alexander, TanJanika Daniel, Irshad H. Chaudry, and Martin G. Schwacha</i> .....	161

**VASCULAR**

In Vivo Behavior of Decellularized Vein Allograft. <i>Niels D. Martin, Patrick J. Schaner, Thomas N. Tulenko, Irving M. Shapiro, Christopher A. DiMatteo, Timothy K. Williams, Eric S. Hager, and Paul J. DiMuzio</i> .....	17
The Effect of Six Different Statins on the Proliferation, Migration, and Invasion of Human Smooth Muscle Cells. <i>J.-M. Corpataux, J. Naik, K. E. Porter, and N. J. M. London</i> .....	52

<i>Erratum</i> .....	169
----------------------	-----

**Number 2, December 2005**

**EDITORIAL COMMENTARY**

Gastrointestinal Hormone Receptors in Primary Human Colorectal Carcinomas. <i>David McFadden</i> ...	171
--	-----

**CARDIOTHORACIC**

Preconditioning: Gender Effects. <i>Jeffrey M. Pitcher, Meijing Wang, Ben M. Tsai, Ajay Kher, Mark W. Turrentine, John W. Brown, and Daniel R. Meldrum</i> .....	202
--	-----

**GASTROINTESTINAL**

Effect of Pre-operative Short Course Famotidine on Tumor Infiltrating Lymphocytes in Colorectal Cancer: A Double Blind, Placebo Controlled, Prospective Randomized Study. <i>Sorabh Kapoor, Sujoy Pal, Peush Sahni, Siddharth DattaGupta, and Tushar Kanti Chattopadhyay</i> .....	172
Normal Intraabdominal Pressure in Healthy Adults. <i>William S. Cobb, Justin M. Burns, Kent W. Kercher, Brent D. Matthews, H. James Norton, and B. Todd Heniford</i> .....	231
Beneficial Effect of Hyperbaric Oxygenation on Liver Regeneration in Cirrhosis. <i>Mehmet Ozdogan, Eren Ersoy, Kadir Dundar, Levent Albayrak, Seda Devay, and Haldun Gundogdu</i> .....	260

Time-Dependent Aggravation or Attenuation of Lipopolysaccharide-Induced Gastric Injury by Nitric Oxide Synthase Inhibition. <i>James W. Suliburk, Kenneth S. Helmer, Sasha D. Kennison, David W. Mercer, and Emily K. Robinson</i> .....	265
Amelioration of Intestinal Ischemia–Reperfusion Injury with Intraluminal Hyperoxygenated Solution: Studies on Structural and Functional Changes of Enterocyte Mitochondria. <i>Changjun Gao, Lixian Xu, Wei Chai, Xude Sun, Hui Zhang, and Guihe Zhang</i> .....	298
Gastrointestinal Hormone Receptors in Primary Human Colorectal Carcinomas. <i>Celia Chao, Marsha L. Tallman, Kirk L. Ives, Courtney M. Townsend, Jr., and Mark R. Hellmich</i> .....	313

#### ONCOLOGY

The Effects of ZD6474, an Inhibitor of VEGF Signaling, on Cutaneous Wound Healing in Mice. <i>Jason Ko, Joel Ross, Hani Awad, Herbert Hurwitz, and Bruce Klitzman</i> .....	251
---	-----

#### SHOCK/SEPSIS/TRAUMA/CRITICAL CARE

Role of Kupffer Cells in Lung Injury in Rats Administered Endotoxin1. <i>Hiroshi Kono, Hideki Fujii, Hidetake Amemiya, Masami Asakawa, Yu Hirai, Akira Maki, Masato Tsuchiya, Masanori Matsuda, and Masayuki Yamamoto</i> .....	176
Characterization of Circulating Monocytes Expressing HLA-DR or CD71 and Related Soluble Factors for 2 Weeks after Severe, Non-Thermal Injury. <i>Douglas S. Walsh, Parinya Thavichaigarn, Kovit Pattanapanyasat, Pricha Siritongtaworn, Prapassorn Kongcharoen, Pongsri Tongtawe, Kosol Yongvanitchit, Narongchai Jiarakul, Chullathep Dheeradhada, Frederick J. Pearce, William P. Wiesmann, and H. Kyle Webster</i> .....	221
Inhibition of Nitric Oxide Synthase Reduces Renal Ischemia/Reperfusion Injury. <i>Lisa A. Mark, Ann V. Robinson, and James A. Schulak</i> .....	236
Intestinal Ischemia-Reperfusion Injury Does not Lead to Acute Central Nervous System Damage. <i>N. J. Hall, V. V. Smith, B. Harding, A. Pierro, and S. Eaton</i> .....	288
Pneumonia-Induced Sepsis and Gut Injury: Effects of a Poly-(ADP-Ribose) Polymerase Inhibitor. <i>Suzana M. Lobo, Susana R. Perez Orrico, Márcio M. Queiroz, Geni S. Cunrath, Gisela S.A. Chibeni, Ligia M. Contrin, Patricia M. Cury, Emanuel de Almeida Burdmann, Antonia M. de Oliveira Machado, Paulo Togni, Daniel De Backer, Jean-Charles Preiser, Czaba Szabó, and Jean-Louis Vincent</i> .....	292
Influence of Toll-like Receptor 4, CD14, Tumor Necrosis Factor, and Interleukine-10 Gene Polymorphisms on Clinical Outcome in Japanese Critically Ill Patients. <i>Taka-aki Nakada, Hiroyuki Hirasawa, Shigeto Oda, Hidetoshi Shiga, Ken-ichi Matsuda, Masataka Nakamura, Eizo Watanabe, Ryuzo Abe, Masahiko Hatano, and Takeshi Tokuhisa</i> .....	322

#### TRANSPLANTATION/IMMUNOLOGY

Thrombin and PAR-1-AP Increase Proinflammatory Cytokine Expression in C6 Cells. <i>Yongyi Fan, Weizhen Zhang, and Michael Mulholland</i> .....	196
<i>Candida Albicans</i> : The Estrogen Target for Vaginal Colonization. <i>W. Tarry, M. Fisher, S. Shen, and M. Mawhinney</i> .....	278

#### VASCULAR

Differential Necrosis Despite Similar Perfusion in Mouse Strains after Ischemia. <i>Paula K. Shireman and Marlon P. Quinones</i> .....	242
Angiotensin II Exerts Positive Feedback on the Intrarenal Renin-Angiotensin System by an Angiotensin Converting Enzyme-Dependent Mechanism. <i>Javid Sadjadi, Gerald L. Kramer, Chun-hua Yu, M. Burrell Welborn, III, and J. Gregory Modrall</i> .....	272
Pulmonary Expression of Inducible Heme-Oxygenase after Ischemia/Reperfusion of the Lower Extremities in Rats. <i>Cherif N. Boutros, Rachid Zegdi, Nermine Lila, Michele Combilla, Paul Fornes, Alain Carpentier, and Jean Noel Fabiani</i> .....	306
The Prophylactic Efficacy of Rifampicin-Soaked Graft in Combination with Systemic Vancomycin in the Prevention of Prosthetic Vascular Graft Infection: An Experimental Study. <i>Mustafa Sacar, Ibrahim Goksin, Ahmet Baltalarli, Huseyin Turgut, Suzan Sacar, Gokhan Onem, Vefa Ozcan, and Fahri Adali</i> .....	329

**WOUND HEALING/PLASTIC SURGERY**

Effect of Human Amniotic Fluid on Bone Healing. *Naci Karaçal, Polat Koşucu, Ümit Çobanğlı, and Necmettin Kutlu*..... 283

**RESEARCH REVIEW**

Pulmonary Apoptosis After Supraceliac Aorta Clamping in a Rat Model. *Olivier Collange, Tamion Fabienne, Rives Nathalie, Thuillez Christian, Richard Vincent, Dureuil Bertrand, and Plissonnier Didier* ..... 190

*Acknowledgment*..... 335

*Author Index for Volume 129* ..... 336

*Cumulative Subject Index for Volumes 123–129* ..... xxx