

Contents

VII Preface

Filaretova, L.P. (St. Petersburg); Takeuchi, K. (Kyoto)

1 The 'Gastric Cytoprotection' Concept of Andre Robert and the Origins of a New Series of International Symposia

Szabo, S. (Long Beach, Calif./Irvine, Calif.); Tache, Y. (Los Angeles, Calif.);
Tarnawski, A. (Long Beach, Calif./Irvine, Calif.)

24 Importance of Translational Research in GI Pharmacology: Lessons Learned from the Successes in History

Chen, D.; Zhao, C.-M. (Trondheim)

32 Acetic Acid Ulcer Model -- State of the Art in 2012

Okabe, S.; Amagase, K.; Takeuchi, K. (Kyoto)

41 Roles of EP4 Receptors in Protective and Healing-Promoting Effects of Prostaglandin E₂ on NSAID-Induced Small Intestinal Damage

Takeuchi, K. (Kyoto)

52 Role of Food and Enterobacteria in the Formation and Prevention of Small Intestinal Damage Induced by NSAIDs

Satoh, H.; Takeuchi, K. (Kyoto)

61 Synergic Effect of NSAID and Gastric Acid on Superoxide-Anion Production in Stomach

Matsui, H.; Kaneko, T. (Tsukuba)

71 Development of NSAIDs with Lower Gastric Side Effect

Mizushima, T. (Tokyo)

79 NSAID-Mucosal Injury: Roles of Drug Chemistry in Pathogenesis

Rainsford, K.D. (Sheffield)

87 Animal Model for Evaluating Gastric Bleeding and Ulcerogenic Response Induced by Aspirin plus Clopidogrel

Izuhara, C.; Takayama, S.; Itayama, M.; Hoshin, N.; Yoshida, Y.; Takeuchi, K. (Kyoto)

97 Effects of Ibuprofen, and Some Analogues, on the Muscle Tone of Isolated Segments of the Common Digital Artery of the Fallow Deer (*Dama dama*)

Callingham, B.A.; Maini, A.; Masood, F.; Munnawwar, M.; Rhodes, C.; Milton, A.S. (Cambridge); Rainsford, K.D. (Sheffield)

- 106 Psychological Stress Induces Visceral Analgesic or Hyperalgesic Response in Rodents: A Role of Preconditions**
Mulak, A. (Los Angeles, Calif./Wroclaw); Larauche, M.; Taché, Y. (Los Angeles, Calif.)
- 115 Neurobiology of Corticotropin-Releasing Factor in the Enteric Nervous System during Stress**
Liu, S. (La Crosse, Wisc.); Wood, J.D. (Columbus, Ohio)
- 124 Corticotropin-Releasing Factor May Protect the Gastric Mucosa in Stress through Involvement of Glucocorticoids**
Filaretova, L.P.; Bagaeva, T.R.; Morozova, O.Y.; Mayzina, M.A. (St. Petersburg)
- 134 Pathogenic Potential of Psychogenic Stress in Gastric Mucosal Injury**
Ovsiannikov, V.I.; Berezina, T.P. (St. Petersburg)
- 142 Advances in Understanding Inflammation in Esophageal Disease**
Hunt, R.H.; Yuan, Y. (Hamilton, Ont.)
- 148 Physiopathology of Esophageal Inflammation, Ulcerogenesis and Repair by Studying the Profile of Glycoconjugate**
Zayachkivska, O. (Lviv)
- 161 Analysis of the Effect of Different Neuropeptides in Gastric Mucosal Defense Initiated Centrally**
Gyires, K. (Budapest)
- 170 Sulforaphane Enhances Protection and Repair of Gastric Mucosa against Oxidative Stress via Nrf2-Dependent Mechanisms**
Yanaka, A. (Hitachi)
- 181 Involvement of Renin-Angiotensin System and Vasoactive Angiotensin-(1-7) Metabolite of Angiotensin II in Gastric Mucosal Injury and Gastroprotection**
Brzozowski, T.; Kwiecien, S.; Szlachcic, A.; Strzalka, M.; Drozdowicz, D.; Pajdo, R.; Szmyd, J.; Konturek, S.J.; Pawlik, W.W. (Cracow)
- 191 Effect of Pentadecapeptide BPC 157 on Gastrointestinal Tract**
Sikiric, P.; Seiwerth, S.; Rucman, R.; Turkovic, B.; Rokotov, D.S.; Brcic, L.; Sever, M.; Kliceck, R.; Radic, B.; Drmic, D.; Ilic, S.; Kolenc, D.; Suran, J.; Vrcic, H.; Sebecic, B. (Zagreb)
- 202 Pathobiology of Gastric Carcinoids and Adenocarcinomas in Rodent Models and Patients: Studies of Gastrocystoplasty, Gender-Related Factors and Autophagy**
Vigen, R.A.; Chen, D.; Zhao, C.-M. (Trondheim)
- 212 Roles of the Hydrogen Sulfide/T-Type Calcium Channel System in Somatic and Visceral Pain Processing**
Kawabata, A.; Matsunami, M. (Higashi-Osaka)
- 219 Age-Dependent Role of Vasopressin in Susceptibility of Gastric Mucosa to Indomethacin-Induced Injury**
Zelena, D. (Budapest); Morozova, O.Yu.; Filaretova, L.P. (St. Petersburg)
- 230 From Mucosal Energy Metabolism to Capsaicin – Strategies for Understanding Mucosal Protection**
Szabó, I.L.; Czimmer, J.; Mózsik, G. (Pécs)

242 Author Index

244 Subject Index