No. 1 Original Paper
Cholecystokinin in the Inhibition of Gastric Secretion and Gastric Emptying in Humans
Konturek, S.J.; Kwiecien, N.; Obtulowicz, W.; Kopp, B.; Oleksy, J.; Rovati, L
Interactions between Antral Peptides and Prostaglandin Biosynthesis in Gastric Acid Regulation
in Man
Befrits, R.; Uvnäs-Moberg, K.; Johansson, C
Mucosal Protective Activity of Activated Aluminum Complex
DiJoseph, J.F.; Borella, L.E.; Wells, C.L.; Mir, G.N
A Controlled Trial of Recombinant Interferon-Alpha in Caucasian Children with Chronic Hepatitis B
Ruiz Moreno, M.; Jimenez, J.; Porres, J.C.; Bartolomé, J.; Moreno, A.; Carreño, V
Effect of Septal and Fornix Lesions on Rat Small Bowel Crypt Cell Kinetics
Callaghan, B.D
Influence of Dehydrocholic Acid on the Secretion of Bile Acids and Biliary Lips in Rats
Yousef, I.M.; Mignault, D.; Weber, A.M.; Tuchweber, B
The Role of Serotonin in Ethanol-Induced Gastric Glandular Damage in Rats
Wong, S.H.; Cho, C.H.; Ogle, C.W

No. 2 Original Paper
Effects of TY-10957, a Stable PG12 Derivative, on Gastro-duodenal Lesions and Secretory Responses in the Rat
Okabe, S.; Takeuchi, K.; Niida, H.; Takinami, Y
Cell Renewal in Non-Specific Duodenitis, Ulcer-Related Duodenitis and Duodenal Ulcer.
Experiments in Mastomys (Praomys natalensis)
Smedley, F.H.; Rimmer, J.; Samanidis, A.; Wastell, C
Role of Psychological Factors in the Irritable Bowel Syndrome
Kumar, D.; Pfeffer, J.; Wingate, D.L
Slow-Release 5-Amino-Salicylic Acid (Pentasa®) for the Treatment of Active Crohn’s Disease
Mahida, Y.R.; Jewell, D.P

IV Contents
The Effects of Enterotoxins and Short-Chain Fatty Acids on Water and Electrolyte Fluxes in Heald and Colonic Loops in vivo in the Rat
Ramakrishna, B.S.; Nance, S.H.; Roberts-Thomson, I.C.; Roediger, W.E.W
Effects of Partial Resection of Acid-Secreting Mucosa on Plasma Gastrin and Enterochromaffin-Like Cells in the Rat Stomach
Healing of Grade-II and III Oesophagitis through Motility Stimulation with Cisapride
Lepoutre, L.; Van Der Spek, P.; Vanderlinden, I.; Bollen, J.; Laukens, P
Does Acute Consumption of Large Alcohol Amounts Lead to Pancreatic Injury? A Prospective Study of Serum Pancreatic Enzymes in 300 Drunken Drivers
Niederau, C; Niederau, M.; Strohmeyer, G.; Bertling, L.; Sonnenberg, A

Effect of Zinc Acexamate and Ranitidine on Chronic Gastric Lesions in the Rat
Navarro, C; Escolar, G.; Bravo, M.L.; Jimenez, E.; Bulbena, O

Cholecystokinin, Secretin, Pancreatic Polypeptide in Relation to Gallbladder Dynamics and Gastrointestinal Interdigestive Motility
Qvist, N.; Øster-Jørgensen, E.; Rasmussen, L.; Pedersen, S.A.; Olsen, O.; Cantor, P.; Schaffalitzky de Muckadell, O.B

Self-Repliation of Enterochromaffin-Like Cells in the Mouse Stomach
Tielemans, Y.; Willems, G.; Sundler, F.; Håkanson, R

Bile Acids Do Not Regulate the Intestinal Mucosal Cholesterol Synthesis: Studies in the Chronic Bile Duct-Ureter Fistula Rat Model

Basal and Somatostatin-Stimulated Gastric Intraluminal Prostaglandin E2 in Patients with Gastric Ulcer and with Gastric Adenocarcinoma
Materia, A.; Silecchia, G.; Genco, A.; Spaziani, E.; De Leo, A.; Pizzuto, G.; Basso, N.

Chemiluminescence by Polymorphonuclear Leucocyte Subpopulations in Chronic Inflammatory Bowel Disease. Influence of the Cell Separation Procedure
Kelleher, D.; Feighery, C; Weir, D.G

Megacolon in Rats
Oliveira, J.S.M.; Llorach-Velludo, M.A.S.; Sales-Neto, V.N

Adenosine Deaminase Activity in the Human Gastric Mucosa in Relation to Acid Secretion
Namiot, Z.; Rutkiewicz, J.; Stasiewicz, J.; Górski, J

Inhibition of Cholecystokinin-Induced Gallbladder Contraction by Atropine and Pirenzepine in Man
Yegen, B.C.; Tankurt, E.; Gürmen, N.; Bayram, M.; Oktay, S.; Ulusoy, N.B

Effect of 20 Weeks’ Ranitidine Treatment on Plasma Gastrin Levels and Gastric Enterochromaffin-Like Cell Density in the Rat
Wallmark, B.; Skånberg, I.; Mattsson, H.; Andersson, K.; Sundler, F.; Håkanson, R.; Carlsson, E

Enterochromaffin-Like Cell Carcinoids in the Rat Gastric Mucosa following Long-Term Administration of Ranitidine
Havu, N.; Mattsson, H; Ekman, L.; Carlsson, E
Fig. 3. Intramucosal ECL-cell carcinoid of solid/trabecular type at terminal sacrifice (106 weeks). Sevier-Munger silver. X 30.

Fig. 4. Reticular intramucosal ECL-cell carcinoid in upper parts of thickened oxyntic mucosa. Argyrophil-cell hyperplasia in the background mucosa. Terminal sacrifice (106 weeks). Grimelius silver. × 50.

Digestion, Vol. 45
S. Karger, Basel
Havu/Mattsson/Ekman/Carlsson
Plate III

Fig. 5. Oxyntic mucosa with argyrophil-cell hyperplasia and an ECL-cell carcinoid showing slightly weaker silver affinity than the surrounding hyperplastic argyrophil cells. Terminal sacrifice (106 weeks). Grimelius silver. × 25.

Digestion, Vol. 45
Digestion, Vol. 45
S. Karger, Basel
Contents

V

Upper Gastrointestinal Porcine Smooth Muscle Expresses M2- and Mi-Receptors
Hanack, C; Pfeiffer, A 196

Role of Liver and Intestines in the Degradation of Epidermal Growth Factor
Konturek, S.J.; Tasler, J.; Bielanski, W.; Cieszkowski, M.; Pawlik, W 202

Prostaglandins and the Dog Stomach: Effects of Misoprostol on the Proportion of Mucosa to
Muscle and on the Proportion of Different Epithelial Cell Types

Intravenous Therapy with High Doses of Ranitidine and Omeprazole in Critically Ill Patients
with Bleeding Peptic Ulcerations of the Upper Intestinal Tract: An Open Randomized Controlled Trial
Brunner, G.; Chang, J 217

Author Index 226
Subject Index 228

Suppl. 1 Gastro-Entero-Pancreatic Tumours
Proceedings of Somatostatin Analogue – Peptide Therapy in Action Symposium Session I,
January 9th, 1989, Hammersmith Hospital, London Chairman and Guest Editor: S.R. Bloom
Perspectives in Gastroenterology

Proceedings of Somatostatin Analogue – Peptide Therapy in Action Symposium Session II,
January 10th, 1989, Hammersmith Hospital, London Chairman and Guest Editor: M.J.G. Farthing