



AN INTERNATIONAL JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY

Leading articles	697	Endoscopic sphincterotomy in the young patient: is there cause for concern? TCK Tham, CL Carr-Locke, JSA Collins
	701	The clinical relevance of strain types of Helicobacter pylori J C Atherton
Review	704	Trauma and the gut: interactions between stressful experience and intestinal function R Stam, L M A Akkermans, V M Wiegant
Oesophagus	710	Short segment Barrett's oesophagus: prevalence, diagnosis and associations NJ Talley, CJ Martin, THKNg, S Adams Commentary, page 804
Stomach and duodenum	716	Decision analysis in the management of duodenal adenomatosis in familial adenomatosis polyposis HFA Vasen, S Bülow, T Myrhøj, L Mathus-Vliegen, G Griffioen, E Buskens, B G Taal, F Nagengast, J F M Slors, P de Ruiter
	720	Reduction of non-steroidal anti-inflammatory drug induced gastric injury and leucocyte endothelial adhesion by octreotide J M Scheiman, A Tillner, T Pohl, A Oldenburg, S Angermüller, E Görlach, G Engel, K H Usadel, K Kusterer
Helicobacter pylori	726	Effects of Helicobacter pylori eradication therapy on hyperammonaemia in patients with liver cirrhosis H Miyaji, S Ito, T Azuma, Y Ito, Y Yamazaki, Y Ohtaki, F Sato, M Hirai, M Kuriyama, Y Kohli Commentary, page \$05
	731	In vitro evaluation of the role of antibodies against <i>Helicobacter pylori</i> in inhibiting adherence of the organism to gastric cells <i>M Clyne</i> , <i>J Thomas</i> , <i>L Weaver</i> , <i>B Drumm</i>
Immunology	739	Gastric mucosal secretion of interleukin-10: relations to histopathology, Helicobacter pylori status and tumour necrosis factor-α secretion K Bodger, J I Wyatt, R V Heatley
	745	Colonoscopic allergen provocation (COLAP): a new diagnostic approach for gastrointestinal food allergy SC Bischoff, J Mayer, J Wedemeyer, PN Meier, G Zeck-Knapp, B Wedi, A Knapp, Y Cetin, M Gebel, M P Manns
Inflammatory bowel disease	754 [°]	Pre-illness dietary factors in inflammatory bowel disease S Reif, I Klein, F Lubin, M Farbstein, A Hallak, T Gilat
	761	Renal tubular dysfunction in patients with inflammatory bowel disease treated with aminosalicylate S. Schreiber, J. Hämling, E. Zehnter, S. Howaldt, W. Daerr, A. Raedler, W. Kruis
	767	Neurochemical coding in the small intestine of patients with Crohn's disease A Belai, P B Boulos, T Robson, G Burnstock
	775	Rectal corticosteroids versus alternative treatments in ulcerative colitis: a meta- analysis JK Marshall, EJ Irvine
Colon	782	Histochemistry of the surface mucous gel layer of the human colon K Matsuo, H Ota, T Akamatsu, A Sugiyama, T Katsuyama Commentary, page 50
Motility	790	Contribution of gastrointestinal transit and pouch characteristics in determining pouch function PA Goldberg, MA Kamm, RJ Nicholls, G Morris, KE Britton

CONTENTS CONTINUED INSIDE



Pancreas	794 _.	Activation of cellular immune response in acute pancreatitis A Mora, M Pérez-Mateo, J A Viedma, F Carballo, J Sánchez-Payá, G Liras
	797	Erratum
Liver	798	Prevalence of the factor V Leiden mutation in hepatic and portal vein thrombosis A E A Mahmoud, E Elias, N Beauchamp, J T Wilde
Case report	801	Enteropathy associated T cell lymphoma presenting as an isolated CNS lymphoma three years after diagnosis of coeliac disease: T cell receptor polymerase chain reaction studies failed to show the original enteropathy to be a clonal disorder ANJ Tutt, M Brada, SA Sampson
Commentaries	804	Short answer in short segment Barrett's oesophagus A Ireland, TR deMeester
	805	Helicobacter pylori, ammonia and the brain SD Taylor-Robinson, N Jackson, C Buckley
	807	Colonic mucus and ulcerative colitis J M Rhodes
	809	Book reviews Notes
	811	Volume 40: Author Index – Main Headings
	814	Volume 40: Subject Index – Main Headings
	824	Volume 40: Author Index - Supplement
	827	Volume 40: Subject Index – Supplement
		Volume 40: Contents

VOLUME 40 · CONTENTS

No 1 JANUARY 1997

Page Leading articles

- Role of cytokines and their inhibitors in acute pancreatitis Andrew Kingsnorth
- 5 Regional expression of intestinal genes for nutrient absorption Charles J Shaw-Smith, Julian R F Walters

Helicobacter pylori

- 9 Evaluation of Helicobacter pylori in reflux oesophagitis and Barrett's oesophagus M Newton, R Bryan, W R Burnham. M A Kamm
- 14 Effect of N°-methyl-histamine on acid secretion in isolated cultured rabbit parietal cells: implications for Helicobacter pylori associated gastritis and gastric physiology ILP Beales, J Calam
- 20 Role of Helicobacter pylori surface structures in bacterial interaction with macrophages M Chmiela, E Czkwianianc, T Wadstrom, W Rudnicka
- 25 Synthesis and activity of Helicobacter pylori urease and catalase at low pH P Bauerfeind, R Garner, B E Dunn, H L T Mobley

Stomach

- 31 Studies on gastric mucosal microcirculation. 1. The nature of regional variations induced by ethanol injury N Kalia, N J Brown, S Jacob, M W R Reed, K D Bardhan
- 36 Efficacy of primed infusions with high dose ranitidine and omeprazole to maintain high intragastric pH in patients with peptic ulcer bleeding: a prospective randomised controlled study J Labenz, U Peitz, C Leusing, B Tillenburg, A L Blum, G Börsch
- 42 Cytokine effects on pepsinogen secretion from human peptic cells MT Serrano, A I Lanas, S Lorente, R Sáinz
- 49 Alcoholic beverages produced by alcoholic fermentation but not by distillation are powerful stimulants of gastric acid secretion in humans S Teyssen, T Lenzing, G González-Calero, A Korn, R L Riepl, M V Singer

Small intestine

- 57 The trophic action of growth hormone, insulin-like growth factor-I, and insulin on human duodenal mucosa cultured in vitro E E Wheeler, D N Challacombe
- 61 Twenty years of childhood coeliac disease in The Netherlands: a rapidly increasing incidence? EK George, ML Mearin, HC M Franken, RH J Houwen, RA Hirasing, JP Vandenbroucke
- 67 Enteral supplementation with ornithine α ketoglutarate improves the early adaptive response to resection B Czernichow, E Nsi-Emvo, M Galluser, F Gossé, F Raul

Pancreas

- 73 Increased expression of transforming growth factor βs after acute oedematous pancreatitis in rats suggests a role in pancreatic repair E Riesle, H Friess, L Zhao, M Wagner, W Uhl, K Baczako, L I Gold, M Korc, M W Büchler
- 80 Post-ERP pancreatitis as a model for cytokine induced acute phase response in acute pancreatitis H Messmann, W Vogt, A Holstege, G Lock, A Heinisch, A von Fürstenberg, H G Leser, H Zirngibl, J Schölmerich
- 86 Role of endogenous nitric oxide in the control of exocrine and endocrine pancreatic secretion in humans \mathcal{J} W Konturek, K Hengst, E Kulesza, A Gabryelewicz, S \mathcal{J} Konturek, W Domschke

Biliary tract

92 Fibrinolysis and the biliary tree DM Scott-Coombes, SA Whawell, EG Havranek, JN Thompson

Inflammatory bowel disease

- 95 Gene expression of group II phospholipase A2 in intestine in ulcerative colitis MM Haapamäki, JM Grönroos, H Nurmi, K Alanen, M Kallajoki, TJ Nevalainen
- 102 Lack of effect of antineutrophil cytoplasmic antibodies associated with ulcerative colitis on superoxide anion production from neutrophils P Gionchetti, M Vecchi, F Rizzello, M Ferretti, C Calabresi, A Venturi, M B Bianchi, C Brignola, R A Sinico, R De Franchis, M Miglioli, M Campieri
- 105 Antineutrophil cytoplasm autoantibodies against bactericidal/permeability-increasing protein in inflammatory bowel disease R S Walmsley, M H Zhao, M I Hamilton, A Brownlee, P Chapman, R E Pounder, A J Wakefield, C M Lockwood

Cancer

- 110 Chemical and immunological testing for faecal occult blood in screening subjects at risk of familial colorectal cancer L M Hunt, P S Rooney, K Bostock, M H E Robinson, J D Hardcastle, N C Armitage
- 113 T cell receptor-ζ and granzyme B expression in mononuclear cell infiltrates in normal colon mucosa and colon carcinoma WMC Mulder, E Bloemena, M J Stukan, J A Kummer, J Wagstaff, R J Scheper
- 120 DPC4 gene mutation in colitis associated neoplasia ATMS Hoque, SA Hahn, M Schutte, SE Kern
- 123 Endoscopic treatment of early oesophageal or gastric cancer K Takeshita, M Tani, H Inoue, I Saeki, S Hayashi, T Honda, F Kando, N Saito, M Endo

Live

- 128 Association between chronic hepatitis C infection and hepatocellular carcinoma in a Scottish population G H Haydon, L M Jarvis, P Simmonds, D J Harrison, O J Garden, P C Hayes
- 133 Analysis of Arg-Gly-Asp mimetics and soluble receptor of tumour necrosis factor as therapeutic modalities for concanavalin A induced hepatitis in mice R Bruck, H Shirin, R Hershkoviz, O Lider, G Kenet, H Aeed, Z Matas, L Zaidel, Z Halpern
- 139 Acute effect of low dose theophylline on the circulatory disturbances of cirrhosis EH Forrest, IAD Bouchier, PC Hayes
- 145 Differential gene expression of the three natriuretic peptides and natriuretic peptide receptor subtypes in human liver A M Vollmar, G Paumgartner, A L Gerbes

Commentarie

- 151 Natriuretic peptides: are these new links in the hepatorenal connections? Florence Wong, Laurence Blendis
- 153 Signals from lymphocytes in colon cancer Rolf Kiessling
- 155 Letters to the editor Book review Note
- 158 Referees

No 2 FEBRUARY 1997

Oesophagus

- 167 Multivariate analysis of pathophysiological factors in reflux oesophagitis G Cadiot, A Bruhat, D Rigaud, T Coste, A Vuagnat, Y Benyedder, T Vallot, D Le Guludec, M Mignon
- Superoxide anions produced by inflammatory cells play an important part in the pathogenesis of acid and pepsin induced oesophagitis in rabbits MJ Naya, D Pereboom, J Ortego, J O Alda, A Lanas
- 182 The relationship between acid and bile reflux and symptoms in gastro-oesophageal reflux disease R E K Marshall, A Anggiansah, W A Owen, W J Owen
- 188 Oesophageal manometry in the evaluation of megacolon with onset in adult life G Basilisco, P Velio, P A Bianchi

Stomach

- 192 Open access gastroscopy: second survey of current practice in the United Kingdom J G Silcock, M G Bramble
- 196 Epithelium related deposition of activated complement in Helicobacter pylori associated gastritis A E Berstad, P Brandtzaeg, R Stave, T S Halstensen
- Healing with basic fibroblast growth factor is associated with reduced indomethacin induced relapse in a human model of gastric ulceration MA Hull, A Knifton, B Filipowicz, J L Brough, G Vautier, C J Hawkey
- 211 Chemical synthesis of nitric oxide in the stomach from dietary nitrate in humans G M McKnight, L M Smith, R S Drummond, C W Duncan, M Golden, N Benjamin

Small intestine

- 215 Is the sugar intestinal permeability test a reliable investigation for coeliac disease screening? C Catassi, E Fabiani, I M Rätsch, A Bonucci, M Dotti, G V Coppa, P L Giorgi
- 218 Assessing the quality of life of patients with intestinal failure on home parenteral nutrition D M Richards, M H Irving
- 223 Effect of bran, ispaghula, and inert plastic particles on gastric emptying and small bowel transit in humans: the role of physical factors A McIntyre, R M Vincent, A C Perkins, R C Spiller

Inflammatory bowel disease

- 228 Reduced bone density in patients with inflammatory bowel disease I Bjarnason, A Macpherson, C Mackintosh, M Buxton-Thomas, I Forgacs, C Moniz
- 234 Altered expression of mucins throughout the colon in ulcerative colitis J E Smithson, A Campbell, J M Andrews, J D Milton, R Pigott, D P Jewell
- Altered expression of $\alpha_4\beta_7$, a gut homing integrin, by circulating and mucosal T cells in colonic mucosal inflammation \mathcal{J} Meenan, \mathcal{J} Spaans, TA Grool, ST Pals, GN \mathcal{J} Tytgat, S \mathcal{J} H van Deventer

Cancer

- 247 Relation between gastric cancer and previous peptic ulcer disease R M Molloy, A Sonnenberg
- In vitro influence of *Phaseolus vulgaris*, *Griffonia simplicifolia*, concanavalin A, wheat germ, and peanut agglutinins on HCT-15, LoVo, and SW837 human colorectal cancer cell growth R Kiss, I Camby, C Duckworth, R De Decker, I Salmon, J-L Pasteels, A Danguy, P Yeaton

Pancreas

- Frequency and risk factors of recurrent pain during refeeding in patients with acute pancreatitis: a multivariate multicentre prospective study of 116 patients P Lévy, D Heresbach, E A Pariente, A Boruchowicz, R Delcenserie, B Millat, J Moreau, L Le Bodic, L de Calan, M Barthet, A Sauvanet, P Bernades
- 267 Expression of peptide receptors in human endocrine tumours of the pancreas C Tang, I Biemond, C B H W Lamers

Biliary tract and liver

- 272 Endoscopic management of Mirizzi's syndrome R E England, D F Martin
- 277 T cell responses to tuberculin purified protein derivative in primary biliary cirrhosis: evidence for defective T cell function DE Jones, J. M. Palmer, M. P. Leon, S. J. Yeaman, M. F. Bassendine, A. G. Diamond

Occasional viewpoint

Mesalazine as a maintenance treatment in Crohn's disease: is it the long awaited solution? T Sahmoud, J Y Mary

Commentaries

- 286 Recombinant peptides for gastrointestinal ulceration: still early days R J Playford
- 288 Dietary nitrate: poison or panacea? P Vallance
- 289 Letters to the editor Book review Note

No 3 MARCH 1997

Leading articles

- 291 Clinical relevance of hepatitis C virus genotypes P Simmonds
- 294 Hepatitis G virus: identification, prevalence and unanswered questions P Karayiannis, H C Thomas

Helicobacter pylor

- 297 Risk for gastric cancer in people with CagA positive or CagA negative Helicobacter pylori infection J Parsonnet, G D Friedman, N Orentreich, H Vogelman
- 302 The Helicobacter pylori breath test: a surrogate marker for peptic ulcer disease in dyspeptic patients K E L McColl, A El-Nujumi, L Murray, E El-Omar, D Gillen, A Dickson, A Kelman, T E Hilditch

Inflammatory bowel disease

- 307 Colonic muscle enhances the production of interleukin-1β messenger RNA in experimental colitis I Khan, F M Al-Awadi
- Bone mineral density is reduced in patients with Crohn's disease but not in patients with ulcerative colitis: a population based study Jahnsen, J. A. Falch, E. Aadland, P. Mowinckel
- 320 CD4 antibody treatment in patients with active Crohn's disease: a phase 1 dose finding study A Stronkhorst, S Radema, S-L Yong, H Bijl, I J M ten Berge, G N J Tytgat, S J H van Deventer
- 328 Inflammatory bowel disease: re-evaluation of the diagnosis in a prospective population based study in south eastern Norway B Moum, A Ekbom, M H Vatn, E Aadland, J Sauar, I Lygren, T Schulz, N Stray, O Fausa

Immunology

- 333 Intestinal intraepithelial lymphocytes have a promiscuous interleukin-8 receptor A I Roberts, M Bilenker, E C Ebert
- 339 Apical effect of diosmectite on damage to the intestinal barrier induced by basal tumour necrosis factor-α L Mahraoui, M Heyman, O Plique, M T Droy-Lefaix, J F Desjeux

Neoplasia

344 Effects of sulindac on sporadic colorectal adenomatous polyps N Matsuhashi, A Nakajima, Y Fukushima, Y Yazaki, T Oka

- Carcinoma of the ampulla of Vater: prognostic factors after curative surgery: a series of 45 cases A Dorandeu, 350 7-L Raoul, F Siriser, N Leclercq-Rioux, M Gosselin, E D Martin, M-P Ramée, B Launois
- Detection and monitoring of serum p53 antibodies in patients with colorectal cancer P Hammel, B Boissier, 356 M-T Chaumette, P Piedbois, N Rotman, J-C Kouyoumdjian, R Lubin, J-C Delchier, T Soussi
- Radiotherapy enhances laser palliation of malignant dysphagia: a randomised study IR Sargeant, J S Tobias, 362 G Blackman, S Thorpe, J R Glover, S G Bown

Motility

- 370 Characterisation of relaxation of the lower oesophageal sphincter in healthy premature infants T I Omari, K Miki, G Davidson, R Fraser, R Haslam, W Goldsworthy, M Bakewell, J Dent
- 376 Stimulation of β -adrenoceptors with isoprenaline inhibits small intestinal activity fronts and induces a postprandial-like motility pattern in humans M Thollander, T H Svensson, P M Hellström
- 381 Outcome of laparoscopic Nissen fundoplication in patients with disordered preoperative peristalsis R J Baigrie, D I Watson, J C Myers, G G Jamieson

386 Pathophysiological role of type I and II phospholipase A_2 in acute pancreatitis: an experimental study in rats W Uhl, H-J Schrag, N Schmitter, TJ Nevalainen, J Aufenanger, A M Wheatley, M W Büchler

Nutrition

Two phase randomised controlled clinical trial of postoperative oral dietary supplements in surgical patients 393 A M Keele, M J Bray, P W Emery, H D Duncan, D B A Silk

- 400 Oxidation of short and medium chain C_2 – C_8 fatty acids in Sprague-Dawley rat colonocytes $\mathcal{J}R$ Jørgensen, M R Clausen, P B Mortensen
- 406 Colonic wall thickness measured by ultrasound: striking differences in patients with cystic fibrosis versus healthy controls HP Haber, N Benda, G Fitzke, A Lang, M Langenberg, J Riethmüller, M Stern

Liver

- 412 Gastric and gall bladder emptying of a mixed meal are not coordinated in liver cirrhosis - a simultaneous sonographic study M Acalovschi, D L Dumitrașcu, I Csakany
- 418 Decreased plasma and tissue isoleucine levels after simulated gastrointestinal bleeding by blood gavages in chronic portacaval shunted rats SWM Olde Damink, CHC Dejong, NEP Deutz, PB Soeters

425 Whipple's disease: comparison of histology with diagnosis based on polymerase chain reaction in four consecutive cases C Müller, D Petermann, C Stain, H Riemer, H Vogelsang, P Schnider, K Zeiler, F Wrba

Occasional viewpoint

428 'Tropical sprue': some early investigators favoured an infective cause, but was a coccidian protozoan involved? G C Cook

Commentary

- 430 Discouraging colonic polyps CB Williams
- 431 Letters to the editor Book reviews Notes

No 4 APRIL 1997

Leading articles

- 435 Regulation of intestinal non-haem iron absorption Martin Lombard, Eddy Chua, Paul O'Toole
- 440 Autoimmunecholangitis Jenny Heathcote

443 Tumour necrosis factor and Crohn's disease SJH van Deventer

Oesophagus

449 Effect of intraduodenal fat on lower oesophageal sphincter function and gastro-oesophageal reflux R H Holloway, E Lyrenas, A Ireland, J Dent

Helicobacter pylori

- 454 Comparison of serum, salivary, and rapid whole blood diagnostic tests for Helicobacter pylori and their validation against endoscopy based tests TG Reilly, V Poxon, DSA Sanders, TSJ Elliott, RP Walt A citric acid solution is an optimal test drink in the ¹³C-urea breath test for the diagnosis of Helicobacter pylori
- 459 infection J E Domínguez-Muñoz, A Leodolter, T Sauerbruch, P Malfertheiner
- 463 Mucosal expression and luminal release of epidermal and transforming growth factors in patients with duodenal ulcer before and after eradication of Helicobacter pylori P Ch Konturek, H Ernst, S J Konturek, A J Bobrzyński, G Faller, C Klingler, E G Hahn

Inflammatory bowel disease

- 470 Treatment with tumour necrosis factor inhibitor oxpentifylline does not improve corticosteroid dependent chronic active Crohn's disease J Bauditz, J Haemling, M Ortner, H Lochs, A Raedler, S Schreiber
- 475 In vitro effects of oxpentifylline on inflammatory cytokine release in patients with inflammatory bowel disease J M Reimund, S Dumont, C D Muller, J S Kenney, M Kedinger, R Baumann, P Poindron, B Duclos
- 481 Pancreatic autoantibodies in Crohn's disease: a family study F Seibold, H Mörk, S Tanza, A Müller, C Holzhüter, P Weber, M Scheurlen
- Short chain fatty acid rectal irrigation for left-sided ulcerative colitis: a randomised, placebo controlled trial 485 R I Breuer, K H Soergel, B A Lashner, M L Christ, S B Hanauer, A Vanagunas, J M Harig, A Keshavarzian, M Robinson, J H Sellin, D Weinberg, D E Vidican, K L Flemal, A W Rademaker

Coeliac disease

492 7 M Duggan

- Increasing the intestinal resistance of rats to the invasive pathogen Salmonella enteritidis: additive effects of dietary lactulose and calcium I M J Bovee-Oudenhoven, D S M L Termont, P J Heidt, R Van der Meer
- 505 Effect of shigella enterotoxin 1 (ShET1) on rabbit intestine in vitro and in vivo A Fasano, F R Noriega, F M Liao, W Wang, M M Levine

512 Micrometastases: marker of metastatic potential or evidence of residual disease? GC O'Sullivan, J K Collins, J Kelly, J Morgan, M Madden, F Shanahan

- Differential expression of oestrogen receptor and oestrogen inducible genes in gastric mucosa and cancer S Singh, R Poulsom, N A Wright, M C Sheppard, M J S Langman
- 521 APC gene mutations and extraintestinal phenotype of familial adenomatous polyposis F M Giardiello, G M Petersen, S Piantadosi, S B Gruber, E I Traboulsi, G J A Offerhaus, K Muro, A J Krush, S V Booker, M C Luce, S J Laken, K W Kinzler, B Vogelstein, S R Hamilton

Pancreas

- 526 Influence of changes in pancreatic tissue morphology and capillary blood blow on antibiotic tissue concentrations in the pancreas during the progression of acute pancreatitis Th Foitzik, H G Hotz, M Kinzig, F Sörgel, H J Buhr
- 531 Combined treatment with C1 esterase inhibitor and antithrombin III improves survival in severe acute experimental pancreatitis H Yamaguchi, H Weidenbach, H Lührs, M M Lerch, G Dickneite, G Adler
- Effect of chronic endogenous hypergastrinaemia on pancreatic growth and carcinogenesis in the hamster M Chu, E Kullman, I F Rehfeld, K Borch
- 541 Topical glyceryl trinitrate relaxes the sphincter of Oddi W. Luman, A. Pryde, R. C. Heading, K. R. Palmer

Liver

544 Acquired C3 deficiency in patients with alcoholic cirrhosis predisposes to infection and increased mortality C Homann, K Varming, K Høgåsen, T E Mollnes, N Graudal, Å C Thomsen, P Garred

Case report

550 Granulomatous gastritis in Wegener's disease: differentiation from Crohn's disease supported by a positive test for antineutrophil antibodies B Temmesfeld-Wollbrueck, C Heinrichs, A Szalay, W Seeger

Occasional viewpoint

554 Video education and evidence in endoscopy Andrew Hart, Margaret Mayberry, John Mayberry

Commentaries

- 555 Micrometastases: are they clinically significant disease? HJN Andreyev, D Cunningham
- 557 Antibody 'markers' in Crohn's disease: opportunity or overstatement? Fergus Shanahan
- 559 Oxpentifylline, tumour necrosis factor-α and Crohn's disease Thomas T MacDonald
- 560 Letters to the editor Book reviews Notes

No 5 MAY 1997

Editorial

563 Reporting of clinical trials in Gut: the CONSORT statement MJ G Farthing, R G Newcombe

Leading articles

- 565 Laparoscopic surgery for gastro-oesophageal reflux disease D Alderson, C R B Welbourn
- 568 Hepatitis B Virus infection and liver transplantation NA Terrault, TL Wright
- The genetics of inflammatory bowel disease J Satsangi, D P Jewell, J I Bell

Oesophagus

- 575 Cholecystokinin in transient lower oesophageal sphincter relaxation due to gastric distension in humans \$\mathcal{J}\$ Boulant, \$S\$ Mathieu, \$M\$ D'Amato, \$A\$ Abergel, \$M\$ Dapoigny, \$G\$ Bommelaer
- Reappraisal of bicarbonate secretion by the human oesophagus A Mertz-Nielsen, J Hillingsø, K Bukhave, J Rask-Madsen
- Double blind cross-over placebo controlled study of omeprazole in the treatment of patients with reflux symptoms and physiological levels of acid reflux the "sensitive oesophagus" R G P Watson, T C K Tham, B T Johnston, N I McDougall

Stomach

- 591 Treatment of Helicobacter pylori infection favourably affects gastric mucosal superoxide dismutases J M Götz, J L Thio, H W Verspaget, G J A Offerhaus, I Biemond, C B H W Lamers, R A Veenendaal
- 597 The inhibitory effect of glucagon-like peptide-1 (GLP-1) 7-36 amide on gastric acid secretion in humans depends on an intact vagal innervation A Wettergren, M Wojdemann, S Meisner, F Stadil, J J Holst

Small howel

- 602 L-arginine in low concentration improves rat intestinal water and sodium absorption from oral rehydration solutions R A Wapnir, M A Wingertzahn, S Teichberg
- 608 Intestinal tolerability of nitroxybutyl-flurbiprofen in rats S Somasundaram, S Rafi, M Jacob, G Sigthorsson, T Mahmud, R Sherwood, A B Price, A Macpherson, D Scott, J M Wrigglesworth, I Bjarnason
- Daytime and night time motor activity of the small bowel after solid meals of different caloric value in humans f v Schönfeld, D F Evans, D L Wingate

Inflammatory bowel disease

- Non-steroidal anti-inflammatory drugs are associated with emergency admission to hospital for colitis due to inflammatory bowel disease JMM Evans, AD McMahon, FE Murray, DG McDevitt, TM MacDonald
- 623 Lack of association between an interleukin-1 recepor antagonist gene polymorphism and ulcerative colitis UT Hacker, M Gomolka, E Keller, A Eigler, C Folwaczny, H Fricke, E Albert, K Loeschke, S Endres
- Treatment of ulcerative colitis in the cottontop tamarin using antibody to tumour necrosis factor alpha P E Watkins, B F Warren, S Stephens, P Ward, R Foulkes
- 634 Changes in barrier function of a model intestinal epithelium by intraepithelial lymphocytes require new protein synthesis by epithelial cells CT Taylor, A Murphy, D Kelleher, A W Baird

Motility

641 Gastrointestinal motor mechanisms in hyperglycaemia induced delayed gastric emptying in type I diabetes mellitus M Samsom, L M A Akkermans, R J A Jebbink, H van Isselt, G P vanBerge-Henegouwen, A J P M Smout

Cancer

- 647 Clinical significance of serum p53 antigen in patients with pancreatic carcinomas H Suwa, G Ohshio, N Okada, Z Wang, M Fukumoto, T Imamura, M Imamura
- Allele loss, replication errors and loss of expression of E-cadherin in colorectal cancers M Ilyas, I P M Tomlinson, A Hanby, I C Talbot, W F Bodmer
- High frequency of K-ras mutations in human colorectal hyperplastic polyps K Otori, Y Oda, K Sugiyama, T Hasebe, K Mukai, T Fujii, H Tajiri, S Yoshida, S Fukushima, H Esumi

Liver and biliary tract

- 664 Reduction in renal blood flow following acute increase in the portal pressure: evidence for the existence of a hepatorenal reflex in man? R Jalan, E H Forrest, D N Redhead, J F Dillon, P C Hayes
- 671 A prospective evaluation of cytology from biliary strictures J C Mansfield, S M Griffin, V Wadehra, K Matthewson

678 Fluoroscopically guided laser lithotripsy versus extracorporeal shock wave lithotripsy for retained bile duct stones: a prospective randomised study R Jakobs, H E Adamek, M Maier, M Krömer, C Benz, W R Martin, J F Riemann

Case reports

- Molecular analysis of T cell receptor β variability in a patient with orofacial granulomatosis S H Lim, P Stephens, Q-X Cao, S Coleman, D W Thomas
- 687 "Golf ball liver": agent orange hepatitis C Leonard, C M Burke, C O'Keane, J S Doyle
- 689 Familial hyperamylasaemia PM Cuckow, AY Foo, A Jamal, MD Stringer

Commentaries

- Metaplastic (hyperplastic) polyps of the large bowel: benign neoplasms after all? GT Williams
- 693 Human oesophageal bicarbonate secretion: a phenomenon waiting for a role CM Brown, WD W Rees
- 695 Letters to the editor Book reviews

No 6 JUNE 1997

Leading articles

- 697 Endoscopic sphincterotomy in the young patient: is there cause for concern? TCK Tham, CL Carr-Locke, 7 S A Collins
- 701 The clinical relevance of strain types of Helicobacter pylori J C Atherton

Review

704 Trauma and the gut: interactions between stressful experience and intestinal function R Stam, L M A Akkermans, V M Wiegant

Oesophagus

710 Short segment Barrett's oesophagus: prevalence, diagnosis and associations S Nandurkar, N J Talley, C J Martin, T H K Ng, S Adams

Stomach and duodenum

- 716 Decision analysis in the management of duodenal adenomatosis in familial adenomatosis polyposis HFA Vasen, S Bülow, T Myrhoj, L Mathus-Vliegen, G Griffioen, E Buskens, B G Taal, F Nagengast, J F M Slors, P de Ruiter
- 720 Reduction of non-steroidal anti-inflammatory drug induced gastric injury and leucocyte endothelial adhesion by octreotide J M Scheiman, A Tillner, T Pohl, A Oldenburg, S Angermüller, E Görlach, G Engel, K H Usadel, K Kusterer

Helicobacter pylori

- 726 Effects of Helicobacter pylori eradication therapy on hyperammonaemia in patients with liver cirrhosis H Miyaji, S Ito, T Azuma, Y Ito, Y Yamazaki, Y Ohtaki, F Sato, M Hirai, M Kuriyama, Y Kohli
- 731 In vitro evaluation of the role of antibodies against *Helicobacter pylori* in inhibiting adherence of the organism to gastric cells *M Clyne*, *J Thomas*, *L Weaver*, *B Drumm*

Immunology

- Gastric mucosal secretion of interleukin-10: relations to histopathology, *Helicobacter pylori* status and tumour necrosis factor-α secretion *K Bodger, J I Wyatt, R V Heatley*
- 745 Colonoscopic allergen provocation (COLAP): a new diagnostic approach for gastrointestinal food allergy S C Bischoff, J Mayer, J Wedemeyer, P N Meier, G Zeck-Knapp, B Wedi, A Knapp, Y Cetin, M Gebel, M P Manns

Inflammatory bowel disease

- 754 Pre-illness dietary factors in inflammatory bowel disease S Reif, I Klein, F Lubin, M Farbstein, A Hallak, T Gilat
- 761 Renal tubular dysfunction in patients with inflammatory bowel disease treated with aminosalicylate S Schreiber, J Hämling, E Zehnter, S Howaldt, W Daerr, A Raedler, W Kruis
- 767 Neurochemical coding in the small intestine of patients with Crohn's disease A Belai, P B Boulos, T Robson, G Burnstock
- 775 Rectal corticosteroids versus alternative treatments in ulcerative colitis: a meta-analysis JK Marshall, EJ Irvine

Colon

782 Histochemistry of the surface mucous gel layer of the human colon K Matsuo, H Ota, T Akamatsu, A Sugiyama, T Katsuvama

Motility

790 Contribution of gastrointestinal transit and pouch characteristics in determining pouch function PA Goldberg, MA Kamm, RJ Nicholls, G Morris, KE Britton

Pancreas

- 794 Activation of cellular immune response in acute pancreatitis A Mora, M Pérez-Mateo, J A Viedma, F Carballo, J Sánchez-Payá, G Liras
- 797 Erratum

Liver

Prevalence of the factor V Leiden mutation in hepatic and portal vein thrombosis A E A Mahmoud, E Elias, N Beauchamp, J T Wilde

Case repor

801 Enteropathy associated T cell lymphoma presenting as an isolated CNS lymphoma three years after diagnosis of coeliac disease: T cell receptor polymerase chain reaction studies failed to show the original enteropathy to be a clonal disorder ANJ Tutt, M Brada, SA Sampson

Commentaries

- 804 Short answer in short segment Barrett's oesophagus A Ireland, TR deMeester
- 805 Helicobacter pylori, ammonia and the brain S D Taylor-Robinson, N Jackson, C Buckley
- 807 Colonic mucus and ulcerative colitis J M Rhodes
- 809 Book reviews Notes
- 811 Volume 40: Author Index Main Headings
- 814 Volume 40: Subject Index Main Headings
- 824 Volume 40: Author Index Supplement
- 827 Volume 40: Subject Index Supplement

Volume 40: Contents