

## Notes and activities

### BSG Research Award 1980

Five hundred word summaries of personal research work are invited by the Research Committee who will recommend to Council the recipient of the award for 1980. The award consists of a medal and £100 prize. Entrants must be 40 years or less (on 31 December 1980) but need not be a member of the BSG. All (or a substantial part) of the work must have been performed in the UK or Eire. The recipient will be required to deliver a 40 minute lecture at the Plenary Session of the Spring meeting in 1981. Applications (six copies) should be made to: The Honorary Secretary, BSG, The Rayne Institute, 5 University Street, London WC1E 6JJ, no later than 1 November 1980.

### Oxford Course in Gastroenterology

The Oxford Course in Gastroenterology will take place on 4-7 January 1981. It is designed for consultants and registrars, not necessarily specialising in gastroenterology. Topics discussed will include portal hypertension, Crohn's disease, the pancreas, coeliac disease, new developments in hepatology, and new techniques in gastroenterology. Further information from Dr D P Jewell, The John Radcliffe Hospital, Oxford OX3 9DU. Telephone Oxford 647111.

## Books

**The Hepatic Coma Syndromes and Lactulose** By H O Conn and M M Lieberthal. (Pp. 419. Illustrated. \$46.00). Williams and Wilkins: Baltimore, 1979. This is an up-to-date and encyclopaedic account of hepatic encephalopathy and its treatment. Despite the wealth of detail the book is easy to read as it is well illustrated and the prose is punctuated with the witticisms one has come to expect from these authors.

There are detailed descriptions of the clinical and laboratory features of hepatic encephalopathy, including interesting observations on the nature of asterix and foetor hepaticus. Clinically detectable encephalopathy is clearly only the tip of the iceberg and there is an excellent chapter on the development and use of psychometric testing. The biochemical abnormalities purporting to be responsible for coma are well set out and dis-

cussed and it is interesting to see that ammonia is again rated highly after some years of relative obscurity. Chapters on the inherited hyperammonaemic states and Reye's syndrome are included for completeness.

The second half of the book is devoted to the management of hepatic encephalopathy with particular emphasis on the role of lactulose. The pharmacology and mechanism of action of lactulose are considered in detail. The data from clinical trials are well set out and analysed and there is no doubt that the drug is highly efficacious and entirely safe—an unusual combination. The use of the lactulose enema (a neglected approach in the United Kingdom) is highlighted and there are interesting observations on the value of combining lactulose with neomycin, a situation in which only 30-50% of the patients seem to derive any benefit from the lactulose.

Although the book is perhaps too long and detailed for most busy general gastroenterologists, it is a must for the hepatologist and as a source book should be in every library.

I M MURRAY-LYON

**International Symposium on Hepatotoxicity** Edited by M Eliakim, J Eshchar, and H J Zimmerman. (Pp. 167. Illustrated. £12.35; \$19.00.) Academic Press: New York, London, 1979.

This book is a collection of papers presented at a symposium in 1973 and is now of little more than historical interest. It is surprising that there are no contributions dealing with the hepatotoxicity of paracetamol, anti-tuberculous drugs, or alcohol. There is nothing about vinyl chloride in the section on occupational hepatotoxicity.

There appears to have been little editing of individual contributions, many chapters do not contain a summary, and there is no index. A section on the value of serum enzyme measurements, by one of the editors, merely tells the reader that this was discussed during the symposium. A detailed account would have been particularly valuable for a new worker in the field. Some chapters, however, are excellent, including Erlinger on bile flow and Berthelot on bilirubin disposal. Conn has written a well-balanced, though somewhat philosophical, account of halothane hepatitis, but recent studies inevitably make the section on pathogenesis out of date.

The final section of the book deals with environmental and host factors. With the exception of the chapters on aflatoxins and senecio the section contains little data and would have benefited from ruthless editing.

S P WILKINSON

**Immunology of the Gastrointestinal Tract** Edited by P Asquith. (Pp. 348. Illustrated. £20.50.) Churchill-Livingstone: Edinburgh. Dr. Asquith has assembled a highly talented team which has produced a volume remarkable for its comprehensive reviews. The book begins with three chapters on the basic immunology of the gut. The second part concerns disorders of gastrointestinal immunity and includes valuable contributions on the mouth, food allergy, and infections. Chapters on the immunobiology of the alimentary tract of the pig and an extensive review of animal disease akin to coeliac disease and inflammatory bowel disease are useful adjuncts. I found the chapter on the stomach confusing, but, in general, the layout of each chapter is clear, although the text is so heavily referenced with authors' names that reading frequently becomes difficult. The text could have been simplified in several places as many tables are provided that summarise the information together with the appropriate references. The book will be of immense value as a source of reference for many disciplines concerned with the immunology of the gastrointestinal tract. It is a pity that high cost may largely confine this book to libraries.

D P JEWELL

## Books received

**Mechanisms of Intestinal Secretion** Edited by Henry J Binder. (Pp. 299; illustrated; \$28). Liss: New York, 1979.

**A Decade of Viral Hepatitis: Abstracts 1969-1979** Edited by Arie J Zuckerman. (Pp. 501; price not stated.) Elsevier/North Holland: Amsterdam, 1980.

**Annual Research Reviews: Substance P**, vol. 2 By Petr Skrabanek and David Powell. (Pp. 175; £16.50.) Churchill Livingstone: Edinburgh, 1980.

**Recent Advances in Surgery—10** Edited by Selwyn Taylor. (Pp. 440; illustrated; £9.50.) Churchill Livingstone: Edinburgh, 1980.

# The Hepatic Coma Syndromes And Lactulose

**Ravi Prakash, Kevin Mullen**



## **The Hepatic Coma Syndromes And Lactulose:**

**The Hepatic Coma Syndromes and Lactulose** Harold O. Conn, Milton M. Lieberthal, 1979 *Hepatic Encephalopathy: An Update, An Issue of Clinics in Liver Disease* Ravi Prakash, Kevin Mullen, 2012-02-28 A very hot topic at the 2010 AASLD meeting hepatic encephalopathy is being brought to the Clinics in Liver Disease for the very first time by top experts Dr Mullen and Dr Prakash Authors have written articles that fully discuss the clinical aspects of hepatic encephalopathy HE Articles presented include History Nomenclature and Classification Theories involved in the pathogenesis of HE Clinical Assessment and utility of clinical scales for semi quantification of Overt HE Assessment of Minimal HE with emphasis on computerized psychometric tests Brain Imaging and HE Management of Overt HE Management of Minimal HE Nutritional Interventions for HE TIPS and HE Liver Transplantation and Reversibility of HE Minimal HE and Driving and HE and Quality of Life

**Cirrhosis, Hyperammonemia, and Hepatic Encephalopathy** Santiago Grisolia, Vicente Felipo, 2012-12-06 This volume contains the papers presented in the International Summer Course on Cirrhosis Hyperammonemia and Hepatic Encephalopathy which was one of the prestigious Summer Course of the Complutense University of Madrid held in El Escorial Spain during August 10 14 1992 Liver cirrhosis is one of the main causes of death in western countries In addition there is a series of liver dysfunctions including fulminant hepatic failure Reye s syndrome and congenital defects of urea cycle enzymes that could lead to hepatic encephalopathy coma and death As a consequence of impaired liver function the ability to detoxify ammonia by its incorporation into urea is diminished resulting in increased ammonia levels in blood and brain Hyperammonemia is considered one of the main factors in the mediation of hepatic encephalopathy and the classical clinical treatments are directed towards reducing blood ammonia levels A part of the book is therefore devoted to the study of certain aspects of ammonia metabolism such as the regulation of the urea cycle the main mechanism of ammonia detoxification in mammals which is located mainly in the liver The metabolism of ammonia in other tissues including brain is also presented as well as the effects of hyperammonemia on brain metabolism and function and on brain microtubules The control of cerebral protein breakdown is reviewed The classical and some recently proposed clinical treatments as well as nutritional considerations in the management of patients with liver failure are also discussed

**Hepatic Encephalopathy in Chronic Liver Failure** Livio Capocaccia, 2012-12-06 The meeting which took place in Rome on November 19th and 20th of 1982 is easily the best meeting on hepatic coma that I have ever attended and I have attended many It was an exceedingly well planned meeting with prolonged opportunity for discussion and there was genuine interplay and exchange of ideas not the usual picture of a rushed meeting with investigators presenting their own point of view and talking past each other without a meaningful exchange which took place in Rome My co editors and I hope that the published transcript which of course can only reflect what transpired in Rome on those two days does justice to a very intellectually exciting and gratifying exchange of ideas L Capocaccia J E Fischer and F Rossi Fanelli v CONTENTS Introduction 1 SECTION 1 PATHOGENETIC

PROBLEMS IN HEPATIC ENCEPHALOPATHY Ammonia The old and the new 5 L Zieve Role of synergism in the pathogenesis of hepatic encephalopathy 15 L Zieve y Aminobutyric acid receptors in experimental hepatic encephalopathy 25 M L Zeneroli Baraldi and E Ventura A possible role for excitatory neurotoxic amino acids in the pathogenesis of hepatic en 41 cephalopathy F Moroni G Lombardi G Moneti D Pellegrini and C      **Hepatic Encephalopathy** Roger F. Butterworth, Gilles Pomier Layrargues, 2012-12-06      Diseases of the Liver and Bile Ducts George Y. Wu, 2012-12-06 A concise practical guide to the diagnosis and treatment of liver disease Authoritative and practical this important new book not only spells out the advantages and limitations of the latest diagnostic tests but also provides numerous algorithms for evaluating patients and treating the liver problems commonly encountered by primary care physicians Here too the reader will find described the nuances of serological tests for the detection of viral infections and how best to use invasive and noninvasive radiological tests in specific circumstances Common complications are fully discussed and detailed practical information is given on how to recognize the patient's immediate problems and deal with them effectively This book's numerous diagrams clinical pearls and cost comparisons will clarify the often complex and bewildering array of conditions associated with liver disease and make it a definitive and indispensable guide for primary care physicians medical students and residents      Hepatic Encephalopathy, Hyperammonemia, and Ammonia Toxicity Vicente Felipo, Santiago Grisolia, 2012-12-06 This volume contains the papers presented at the International Symposium on Cirrhosis Hyperammonemia and Hepatic Encephalopathy held in Valencia Spain January 24th 27th 1994 Liver cirrhosis and other hepatic dysfunctions such as fulminant hepatic failure and congenital defects of urea cycle enzymes can lead to hepatic encephalopathy coma and death Hepatic encephalopathy is one of the main causes of death in western countries The ability to detoxify ammonia by its incorporation into urea is diminished by impaired liver function resulting in increased ammonia levels in blood and brain Hyperammonemia is considered one of the main factors in the mediation of hepatic encephalopathy and the classical clinical treatments are directed towards reducing blood ammonia levels However the molecular bases of the pathogenesis of hepatic encephalopathy and the role of hyperammonemia in this process remain unclear and several hypotheses have been proposed To clarify the mechanisms involved in hepatic encephalopathy and hyperammonemia suitable animal models are necessary The animal models available and the ideal features of an animal model are presented in the initial part of the book      **Cirrhosis, Hepatic Encephalopathy, and Ammonium Toxicity** Santiago Grisolia, Vicente Felipo, Maria-Dolores Miñana, 2013-03-08 Proceedings of an international symposium held in Valencia Spain November 27 29 1989      **Encephalopathy and Nitrogen Metabolism in Liver Failure** E. Anthony Jones, Alfred J. Meijer, Robert A.F.M. Chamuleau, 2012-12-06 Encephalopathy and Nitrogen Metabolism in Liver Failure contains research reports and state of the art reviews that were presented at the 11th International Symposium on Hepatic Encephalopathy and Nitrogen Metabolism in relation to liver disease that was held in Amsterdam The Netherlands from 30 May to 1 June 2002 Themes covered include the metabolism of

ammonia and amino acids in relation to liver disease the assessment of hepatic encephalopathy HE minimal HE animal models of HE neuropsychiatric dysfunction in patients with chronic liver disease the pathogenesis of HE the astrocyte in liver disease acute liver failure and cerebral edema treatment of HE and artificial liver support systems This volume provides an indispensable source of important new research findings and ideas for clinicians and biomedical scientists working in the field of HE and nitrogen metabolism in relation to liver disease      **Advances in Cirrhosis, Hyperammonemia, and Hepatic Encephalopathy** Vicente Felipo, 2012-12-06 Proceedings of an international symposium held in Valencia Spain December 2-4 1996      *Microbial Metabolism In The Digestive Tract* M. J. Hill, 2018-02-01 In this book an attempt has been made to give an update on the flora of the human digestive tract and its role in disease This is a subject that has implications in many disciplines and therefore is aimed at not only microbiologists but also clinicians dentists medical researchers biochemists and toxicologists who have a background knowledge of bacteriology but are not necessarily directly involved in research into the metabolic actions of gut bacteria      *Evidence-Based Gastroenterology and Hepatology* John W. D. McDonald, Andrew K. Burroughs, Brian G. Feagan, 2008-04-15 Traditional textbooks in this field have emphasized the basic sciences of pathology biochemistry and physiology Evidence based Gastroenterology and Hepatology covers all the major diseases of the gastrointestinal tract and liver utilizing clinical epidemiology to present the strongest and most current evidence for interventions This second edition is edited and written by leading gastroenterologists from around the world each chapter summarizes the evidence so that better informed decisions will be made about which treatments to offer to patients It provides practising Gastroenterologists and Surgeons with clear information regarding the diagnosis and treatment of pancreatic diseases giving clear evidence and experience based material that is immediately relevant to clinical practice Also contains a list of recommended reading at the end of each chapter Take a look at up to date information at [www.evidbasedgastro.com](http://www.evidbasedgastro.com)      **The Oxford Handbook of Adult Cognitive Disorders** Michael L. Alosco, Robert A. Stern, 2019-05-07 The prevalence of adult cognitive disorders will dramatically rise over the next 25 years due to the aging population Clinical research on adult cognitive disorders has rapidly evolved including evidence of new adult cognitive disorders and greater insight into the clinical presentation mechanism diagnosis and treatment of established diseases The Oxford Handbook of Adult Cognitive Disorders is an up to date scholarly and comprehensive volume covering most diseases conditions and injuries resulting in impairments in cognitive function in adults Topics covered include normal cognitive and brain aging the impact of medical disorders and psychiatric illnesses on cognitive function adult neurodevelopmental disorders and various neurological conditions This Handbook also provides a section on unique perspectives and special considerations for clinicians and clinical researchers covering topics such as cognitive reserve genetics diversity and neuroethics Readers will be able to draw upon this volume to facilitate clinical practice including differential diagnosis treatment recommendations assessment practices and to obtain an in depth review of current research across a wide

spectrum of disorders provided by leaders in their fields The Oxford Handbook of Adult Cognitive Disorders is a one of a kind resource appropriate for both clinicians and clinical researchers from advanced trainees to seasoned professionals

Support of the Acutely Failing Liver Achilles A. Demetriou, Frederick D. Watanabe, 1999-11-01 In this book members of the Cedars Sinai Medical Center Liver Support Unit LSU present the most current understanding of the pathophysiology of liver failure and how its various forms and manifestations are classified and summarize the state of the art in the diagnosis and management of the disease

**Liver Transplantation** Dilip K Chakravarty, 2010-10-09 A major new reference work on Liver Transplantation written by the transplantation team of one of Asia's leading transplant centres with a foreword by Prof Sir Roy Calne the liver transplantation pioneer and expert in immunosuppressant techniques The book begins with an overview of transplantation team composition international donor selection guidelines and donor management and goes on to discuss technique and management of DDLT LDLT Pediatric Split Domino and ABO incompatible liver transplantation Post transplant management immuno suppression follow up short and long term complications and their outcomes as well as recent advances in liver transplantation such as stem cell hepatocyte and xenotransplantation are also discussed

**Liver Disease in Children** Frederick J. Suchy, Ronald J. Sokol, William F. Balistreri, 2001 This is the definitive book on pediatric liver disease providing extensive well edited information that is not easily accessible or available in other textbooks Read comprehensive information explaining the pathophysiology clinical and laboratory diagnosis and clinical manifestations of liver disease A must have for those interested in this rapidly growing subspecialty in pediatrics A Brandon Hill recommended title

**Modern Concepts in Gastroenterology** Eldon Shaffer, Alan B.R. Thomson, 2013-11-09 Once again the gastroenterologists of northwestern Canada have come out with a series of essays advancing important modern concepts As indefatigable as ever they bring together the latest in clinical pathophysiological considerations for the clinician The topics run the gamut from the lovely liver to HIV infection from the pathophysiology of bile flow to comments on antigens in colorectal cancer It is always easy to publish a first volume for enthusiasm is high and everyone is anxious to win a place Bringing out a second volume the carrying forward of a good idea is so much harder In many ways this second volume in the series marks the coming of age of Canadian gastroenterology as 11 of the 21 contributors currently reside in Canada Still the contributions from the United Kingdom and the United States make this an Anglo American festival Reading the chapters will make you appreciate the care with which the contributors have garnered recent references to give up to date practical information for us all I enjoyed all that I read My congratulations to Drs Shaffer and Thomson for a job well done Howard M Spiro M D New Haven Connecticut ix Preface This book is based on papers presented at the third symposium on Recent Advances in Gastroenterology held by the Canadian Association of Gastroenterology The proposed audience for this volume is the internist and the general surgeon as well as those in the specialties of gastroenterology and hepatology

Advances in Hepatic Encephalopathy and Urea Cycle Diseases G. Kleinberger, P. Ferenci, P. Riederer, H. Thaler, 1985-01-02

**Approach**

**to Consultations for Patients with Liver Disease, An Issue of Clinics in Liver Disease** Steven L. Flamm,2012-05-28

With very much success in 2009 this topic is being updated again in 2012 Dr Flamm has invited a group of distinguished hepatologists to provide insight into the assessment of a variety of scenarios where clinical judgment based on experience and published literature is an invaluable addition to the care of individual patients Articles included in the issue address the following topics Evaluatio of Elevated Liver Enzymes and Abnormal Liver Panel Evaluation of Liver Lesions Chronic HCV Evaluation of Hepatic Cholestasis Chronic HBV Ascites Fatty Liver Pruritus in the patient with chronic cholestatic liver disease Is the patient a candidate for liver transplantation Care of the cirrhotic patient Abnormal liver panel in pregnancy Surgical clearance for the patient with chronic liver disease Granulomatous Liver Disease Drug Induced Liver Disease and Hepatic Encephalopathy **Disease, Metabolism and Reproduction in the Toxic Response to Drugs and Other Chemicals** P. L. Chambers,P. Preziosi,C. M. Chambers,2012-12-06

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