ADVANCES IN HEPATOLOGY

Advances in Hepatology

Transactions of the International Symposium
of the International Association for the Study of the Liver
Brussels and Leuven, June 6-8 1964

Edited by

J. Vandenbroucke, J. De Groote and L. O. Standaert

Preface by

H. Popper, President of the Association
With 165 figures and 72 tables

BASEL (Switzerland) S. KARGER NEW YORK

Distributed simultaneously in North America by

THE WILLIAMS & WILKINS COMPANY, BALTIMORE

Previous publications of Symposia organized by the I.A.S.L.:
Prof. Dr. G. A. Martini, Aktuelle Probleme der Hepatologie. Ultrastruktur. Steroidstoffwechsel-
Durchblutung,
Leber und Niere.
II Symposium I.A.S.L. München und Bad Reichenhall 1962
Georg Thieme Verlag, Stuttgart 1962

For each contribution in this book, reference is given to the “Tijdschrift voor
Gastroenterologie” Belgium, in which the articles were also published.

S. Karger AG, Arnold-Bocklin-Strasse 25, Basel (Switzerland)

All rights, including that of translation into foreign languages, reserved.
Photomechanic reproduction (photocopy, microcopy) of this book or part of
it without special permission of the publishers is prohibited.

©

Copyright 1965 by S. Karger AG, Basel
PREFACE

International meetings of small groups with interest focused on limited fields are becoming more attractive than large international Congresses. The small group permits informal and, thus, meaningful discussions without the ceremonious delivery of prepared dissertations. But it deprives larger groups of stimulation which might arise from listening to experts of foreign countries. This is particularly regrettable if the scientific neophyte becomes the victim of the restrictive policy. The International Association for the Study of Liver Diseases makes every effort to remain a small group of members acting, in effect, as representatives of their respective countries to develop a well balanced program of their biennial meetings. To serve as a stimulus of larger groups, one open session is held in conjunction with one of the major international congresses of Gastroenterology followed by a small conclave in a nearby town. The following proceedings record the open session following the Seventh International Congress of Gastroenterology in Brussels and a small meeting in the ancient and charming university town of Louvain. Both in the broad setting of Brussels’ Congress Palace and in the intimate but modern hall in Louvain, the organizational talent, thoughtfulness, and gracious hospitality of Professors J. vandenbroucke and J. De Groote were apparent. The program which they organized with advice from the honorary president of the Association, Professor Sheila Sherlock, and the most effective international secretary, Professor Adolf Martini, reflected the recent exciting thinking in the broad field of the normal and abnormal function and structure of the liver. The charm of the meetings is the interdisciplinary character, thus representing an experiment in medical communication. Our Belgian colleagues have now undertaken to crown their achievements in organizing the meeting most effectively by editing the proceedings and have, thus, increased the debt of gratitude which the Association owes them for all they did for us.

Hans Popper, M.D.
New York, U.S.A.

CONTENTS
1. — Chronic Hepatitis

Sherlock, S. (London) — Chronic hepatitis: The scope of the problem
Yamagata, S., Kaito, I. and Wakui, K. (Sendai) — On chronic viral hepatitis
Ichida, F. (Kyoto) — Clinico-pathological studies of active chronic hepatitis
Schaffner, F. (New York) — Electron microscopic studies in chronic hepatitis
Coppo, M. et Tedeschi, G. (Modena) — Essais de provocation expérimentale (Rat) d’une hépatite par auto-agression

2. — Biliary Cirrhosis and Cholestasis

Walker, J. G. and Thomas, P. K. (London) — Xanthomatous neuropathy in primary biliary cirrhosis
Orlandi, F., Jézéquel, A. and Merlitti, A. (Perugia, Villejuif) — The action of some anabolic steroids on the structure and the function of human liver cell
Datta, D. V. (Boston) — Postheparin plasma lipolytic activity (PHLA) in patients with primary biliary cirrhosis
Buysens, N. (Antwerp) — Cholestasis and regeneration of the liver in congenital galactosemia
3. —Electron Microscopy of the Liver

Ueda, H. (Tokyo). —Electronmicroscopic Study of Fatty Liver 148

VIII CONTENTS

Masuda, M. (Kyoto). —An Electron Microscope Study of the Liver and Gastric Mucosa of Primary Hemochromatosis 165

4. —Bilirubin Metabolism

O'Donnell, J. F., Schiff, L., Mistilis, S. and Piller, M. (Cincinnati). —The Effect of Hydrocortisone on the Concentration of Bilirubin in the Serum and Bile of Rats undergoing constant Bilirubin Infusion 176
Heirwegh, K., Van Roy, F. and De Groote, J. (Louvain). —Distribution of Bilirubin and Bilirubin Glucuronide over Cell Fractions 184
Van Roy, F., Heirwegh, K. and De Groote, J. (Louvain). —A Selective Determination of Bilirubine Diglucuronide for the Study of Bilirubin Glucuronyl Transferase in Microsomal Preparations 188

5.—Enzyme Studies

Chiesara, E., Clementi, F. et Conti, F. (Milano). — Modifications Biochimiques et Ultrastructurelles provoquées au Niveau Hépatique par Différents Traitements 190
Porta, E. A. and Hartroft, W. S. (Toronto). —The Distribution of Ceroid and Acid Phosphatase in Preneptic Stages of Dietary Necrosis in Rats and Mice 200

6. —Viral Hepatitis
Kubelka, V. (Prague). — Our Knowledge about Motol Virus isolated from Infectious Hepatitis 230
Krugman, S. (New York). — Studies on the Natural History and Prevention of Infectious Hepatitis 236

7. — Cirrhosis

Faber, V., Iversen, K., Norup, G., Elling, P. and Poulsen, H. (Copenhagen). — Serology in Hepatic Cirrhosis 245
Cook, G. C. and Sherlock, S. (London). — Glutathione in Hepatic Cirrhosis. — Results of a Controlled Trial 253

CONTENTS IX


8. — Toxic Hepatitis, Alcohol Intoxication

Mme Danon, G., Pilorge, G., Dauguet, J. C. et Bernard, J. P. (Rennes). — L’Intoxication par le Sélénite de Sodium 265
Hoenig, V. and Hoenigova, J. (Prague). — Some Serological Peculiarities in Rats Intoxicated by Carbon Tetra-Chloride 277

9. — Portal Circulation, Portacaval Shunt, Oesophageal Varices

Portal Circulation of the Dog 300
Reynolds, T. B. and Redeker, A. G. (Los Angeles). — Comparative Hemodynamic Effects of End-to-Side and Side-to-Side Portacaval Shunts 318
Garceau, A. J. and Chalmers, Th. C. (Boston). — A Controlled Trial of Prophylactic Porta-Caval Shunt Surgery 327
Williams, R., Walker, J. G., Condon, R. E., Thompson, E. N. and Sherlock, S. (London). — The Value of Gastric Cooling in the Treatment of Bleeding from Oesophageal Varices 337

10. — Chronic Liver Disease, and Other Subjects

Schnack, H. and Wewalka, F. (Vienna). — Chronic Liver Disease and Iron Storage in the Liver 342
Oji, K. (Osaka). — Clinical Evaluation of Linoleic Acid in the Treatment of Chronic Liver Disease 347

X CONTENTS

Thaler, H. (Vienna). — Zur Frage der Malignen Metamorphose von Leberzellen 368
Mangenat, P. et Delaloye, B. (Lausanne). — La Lymphographie Hépatique Isotopique 373