

Metabolic Aspects of Alcoholism



Edited by
Charles S. Lieber

Metabolic Aspects Of Alcoholism

Jack Harold Mendelson, Nancy K. Mello



Metabolic Aspects Of Alcoholism:

Metabolic Aspects of Alcoholism Charles S. Lieber, 2012-12-06 In the first annual report on Alcohol and Health to Congress December 1971 the then HEW Secretary Elliot L Richardson called alcohol the most abused drug in the United States The report revealed that nine million Americans are alcohol abusers and that alcoholic individuals represent almost 10 % of the nation s work force With spreading alcoholism the incidence of physical damage due to alcohol has greatly increased A question which is often raised is in which way does an alcoholic differ from a non alcoholic Inquiries have focused on psychological make up behavioural differences and socioeconomic factors More recently however physical differences have been delineated Prior to the development of various disease entities chronic ethanol exposure results in profound biochemical and morphological changes Consequently an alcoholic does not respond normally to alcohol or other drugs or even other toxic agents Some of these persistent biochemical and morphological changes are the consequences of the injurious effects of ethanol whereas others may represent the possible adaptive responses to the profound changes in intermediary metabolism which are a direct and im mediate consequence of the oxidation of ethanol itself Differentiation between the effects of ethanol directly linked to its oxidation and the adaptive and injurious effects of ethanol are not simple and overlap is common In general however metabolic effects are associated with the presence of relatively low ethanol concentrations whereas injurious effects occur with high ethanol concentrations and or after prolonged intake High ethanol con centrations also produce so called pharmacological effects

Biomedical and Social Aspects of Alcohol Use D. G. van der Heij, 1991 *International Symposium: Biological Aspects of Alcohol Consumption, 27 - 29th September 1971* Olof Forsander, Kalervo Eriksson, 1972 **Biochemical and Clinical Aspects of Alcohol Metabolism** Vishwanath M. Sardesai, 1969 **Research Grants Index** National Institutes of Health (U.S.). Division of Research Grants, 1973

Actions of Alcohol: Chronic and clinical aspects Henrik Wallgren, Herbert Barry, 1970 Aspects of Alcoholism Roche Laboratories, 1963 **Toxicity Bibliography** , 1975 *Neurological Aspects of Substance Abuse* John Calvin M. Brust, 1993 Neurological Aspects of Substance Abuse addresses aspects of substance abuse relevant to neurologists and other clinicians including basic pharmacology historical background epidemiology overdose and withdrawal medical and neurological complications fetal effects and pharmacotherapy Illicit drugs include heroin methadone and other opioids amphetamines cocaine and other psychostimulants barbiturates benzodiazepines and other sedatives marijuana LSD mescaline and other hallucinogens inhalants phencyclidine and anticholinergics Licit drugs include ethanol tobacco and caffeine No existing book addresses substance abuse from a primarily neurological vantage or includes the topics listed above in one volume Comprehensive coverage of neurological aspects of drug abuse and addiction No other book addresses substance abuse from a primarily neurological viewpoint *A Guide to Alcohol and Drug Dependence* John Spencer Madden, 1979 **Medical Diagnosis and Treatment of Alcoholism** Jack Harold Mendelson, Nancy K. Mello, 1992

Medical Disorders of Alcoholism Charles S. Lieber, 1982 **Biological Aspects of Alcohol** Mary K. Roach, William M. McIsaac, Patrick J. Creaven, 1971 *Alcohol Metabolism, Alcohol Intolerance, and Alcoholism* Dharam P. Agarwal, H. Werner Goedde, 2012-12-06 Alcohol abuse alcohol intolerance alcohol dependence and other alcohol related disabilities are some of the most challenging public health problems facing our modern day society The purpose of this comprehensive monograph is to review the available knowledge concerning the pharmacogenetic basis of alcohol sensitivity and its physiological implications and to synthesize the bulk of existing knowledge regarding metabolic features and biomedical disturbances related to alcoholism The chapters cover a broad array of disciplines including an overview of historical and epidemiological aspects biochemistry and molecular genetics of enzymes involved in alcohol metabolism biochemical and neuropsychopharmacological effects of alcohol Major emphasis is placed on the role of genetic factors in alcoholism The experimental details are summarized and a comprehensive bibliography is included **A Decade of Alcoholism Research** Robert E. Popham, Addiction Research Foundation of Ontario, Wolfgang Schmidt, 1962-12-15 The year 1961 marked the beginning of the second decade of operation of the Alcoholism Research Foundation of Ontario It also marked the end in certain respects of a stage in its development as a research organization The most concrete event in this regard was an amendment to the act governing the Foundation which added the words Drug Addiction to its name and broadened its legitimate scope to include the study of virtually all forms of addictive behaviour The year appeared to mark the end of a formative and largely exploratory stage of research and the beginning of a period characterized by a more precise sense of overall direction This is best revealed through an examination of the history of the Foundation's research endeavour and of the character and results of the numerous projects which have been conducted under its auspices Such an examination was attempted in the research section of the 1961 Annual Report of the Foundation However because of the special purpose and highly restricted readership for which this report was designed it seemed desirable to publish the material subsequently in a form suitable for wider distribution Accordingly the present volume was prepared and comprises a somewhat revised and expanded version of the original review It is hoped that it will prove of value not only to research workers but also to those whose primary responsibilities in the alcoholism field are in the realm of treatment education or the administration of programs with these functions **Alcohol and Disease** Niels Tygstrup, Rolf Olsson, 1985 **Nutritional and Other Metabolic Aspects**, 1983 This bibliography includes literature published since 1977 on general nutritional and other metabolic aspects related to alcohol use or alcoholism Latest update Oct 1983 Endocrinology and Metabolism Lewellys Franklin Barker, 1922 **Endocrinology and metabolism v.3**, 1922 *Diabetes Mellitus and Obesity* Bernard N. Brodoff, Sheldon J. Bleicher, 1982

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