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ABSTRACT

This bibliography, which attempts to gather the significant research on the reproductive effects of the drugs of abuse, is one in a series prepared by the National Clearinghouse for Drug Abuse Information on subjects of topical interest. Selection of literature is based on its currency, its significance in the field, and its availability in local bookstores or research libraries. The goal is to present an overview of the existing literature, but is not meant to be comprehensive or definitive in scope. Citations on this subject are categorized as general articles, cannabis and derivatives, hallucinogens, depressants, narcotics, and other drugs of abuse. The items compiled are directed toward students writing research papers, special interest groups (such as educators, lawyers and physicians), and the general public requiring more resources than public information materials can provide. (BL)

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COLLECTED REFERENCE SERIES

SERIES 4, NO. 1

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Each bibliography of the National Clearinghouse for Drug Abuse Information Selected Reference Series is a short, representative listing of citations on subjects of topical interest. The selection of literature is based on its currency, its significance in the field, and its availability in local bookstores or research libraries. The scope of the material is directed toward students writing research papers, special interest groups, such as educators, lawyers and physicians, and the general public requiring more resources than public information materials can provide. Each reference series is meant to present an overview of the existing literature, but is not meant to be comprehensive or definitive in scope.

THE EFFECT OF THE DRUGS OF ABUSE ON REPRODUCTIVE PROCESSES

Introduction

The effect of the drugs of abuse on reproductive processes is a largely unresolved research problem at the present time, due to the complex variables involved in the basic and clinical research in this area.

Laboratory controls on highly selected animals can be strictly maintained as to dosage level, frequency of dosage and environmental factors. The human abuse of these drugs, however, is uncontrolled and often involves factors such as contaminated drug samples, varying dosage levels at varying frequencies and multiple drug use. Pre-existing genetic damage due to severe illness, medically prescribed drugs, or other medical reasons must also be accounted for in these studies since this is another factor which can lead to inconsistent research results. A final serious concern in studying the reproductive effects of these drugs is the fact that different animal species may have different pharmacologic reactions, which means that a drug could cause genetic damage in laboratory rats or other animals but not in man. Therefore, research conclusions based on animal studies must also be checked in humans before broad extrapolations or conclusions can be made.

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Drugs subject to abuse or non-medical use range from the therapeutically-useful depressants, stimulants and narcotics, like morphine, to the largely abuse-related drugs, such as LSD, cannabis and heroin. Since they are different pharmacologically and chemically, they can effect different parts of the reproductive process and cannot be categorized into one group. Also, therapeutic drugs are prescribed by the physician in safe dosage levels, while the abuse of these drugs is usually in amounts far exceeding the safety zone.

This bibliography which attempts to gather the significant research on the reproductive effects of the drugs of abuse must be viewed in relation to the myriad of factors listed above. The inconclusiveness or inconsistency of some of these studies suggests that more research with better methodology needs to be done. These citations can be helpful in outlining past research and the general direction of current studies in this area.

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The National Clearinghouse for Drug Abuse Information, operated by the National Institute of Mental Health on behalf of the Special Action Office for Drug Abuse Prevention and the Federal agencies engaged in drug abuse education programs, is the focal point for Federal information on drug abuse. These Federal agencies are the Department of Justice, Bureau of Narcotics and Dangerous Drugs; Department of Health, Education, and Welfare; Office of Economic Opportunity; and the Department of Defense. The Clearinghouse distributes publications and refers specialized and technical inquiries to Federal, State, local, and private information resources. Inquiries should be directed to the National Clearinghouse for Drug Abuse Information, 5600 Fishers Lane, Rockville, Maryland 20852.