

ICCAR 2025



**5th International Conference on Contemporary Academic
Research ICCAR 2025**

May 30-31, 2025: Konya, Turkey

Abstract Book

ABSTRACT BOOK OF
5TH INTERNATIONAL
CONFERENCE ON
CONTEMPORARY
ACADEMIC RESEARCH
ICCAR 2025

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INTRODUCTION

We had the great honor of 5th International Conference on Contemporary Academic Research ICCAR 2025. It was truly a great pleasure for us to greet a lot of participants from many different countries attending ICCAR 2025! We firmly believe that the conference will become an important international event in the field of cross-industry discussion about innovations in Academic Studies.

Three cooperating organizations supported the two-day conference. There were 218 papers accepted for presentation at ICCAR 2025, contributed from different countries. We had plenary speeches and several well-known scientists and experts, to give invited talks at different sessions.

The purpose of ICCAR 2025 was to provide a forum for the participants to report and review innovative ideas, with up-to-date progress and developments, and discuss novel approaches to the application in the field of their own research areas and discuss challenges of doing science.

We sincerely hope that the exchange of ideas on doing research, science and improving education will help the participants, and international cooperation sharing the common interest will be enhanced.

On behalf the Organization Committee of ICCAR 2025, we would like to heartily thank our cooperating organizations for all they have done for the conference. We would also like to thank the authors for their contribution to the proceedings; the participants and friends of ICCAR 2025, for their interest and efforts in helping us to make the conference possible; and the Editorial boards for their effective work and valuable advice, especially the ICCAR 2025 secretariat and the ICCAR 2025 staff, for their tireless efforts and outstanding services in preparing the conference and publishing the Proceedings.

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COMPARATIVE ANALYSIS OF THE MECHANISMS OF THE INFLUENCE OF ALCOHOL AND OPIATES ON HUMAN ONTOGENESIS

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D.O. Alpern, Kuznetsova M.O.*

Abstract - Relevance. According to WHO, the prevalence of harmful habits, including alcohol and opioid abuse, is increasing worldwide. One of the factors contributing to this, according to scientists, is that the widespread and simplified access to alcohol and the war, which has led to severe injuries requiring narcotic analgesics for treatment, in turn led to a sharp increase in the number of opioid prescriptions (such as oxycodone, morphine, etc.), which resulted in a fourfold increase in opioid-related overdose deaths.

The aim of the research. To compare the effects of alcohol and opioids during pregnancy on the intrauterine development of the organism.

Materials and methods. The study involved 75 women who were at risk during pregnancy (the selection criterion was the presence of a history of alcohol or opioid use) and women who led a healthy lifestyle. Descriptive and sociological research methods were used.

Results of the study. Among the surveyed women who abused alcohol and opioids, it was found that in 47% of cases, these women experienced complicated pregnancies, in 30% there were preterm births, and in 23% there was early pregnancy loss. In children born to mothers who abused alcohol and drugs during pregnancy, 56% of cases indicated delays in physical and mental development, 33% indicated predominant damage to the nervous system, and 21% indicated predominant damage to the cardiovascular system.

The obtained data indicate that alcohol and opioids likely share a common mechanism of action known as neonatal withdrawal syndrome. For example, opioids from the mother quickly cross the placenta, binding to opioid receptors in the peripheral and central nervous systems of the fetus, leading to

fetal dependence. This is evidenced by the fact that newborns have a smaller head circumference and reduced volume and connectivity of white matter.

Conclusions. Thus, based on the data from the conducted research, it can be concluded that the systematic use of drugs and alcohol by the mother has common mechanisms of influence, which may manifest as premature detachment of the placenta in the pregnant woman and the emergence of congenital malformations.

Keywords: pregnancy, mental development, healthy lifestyle
