REVIEWER'S REPORT

Manuscript No.: IJAR-51793　　　　　　　　　　Date: 23 -05-2025

Title: **PREVELANCE OF ALCOHOL DEPENDENCE SYNDROME AMONG ADULTS AND ITS ASSOCIATED SOCIO DEMOGRAPHIC FACTORS - A CROSS SECTIONAL STUDY**

Recommendation:
Accept as it is………………YES………….
Accept after minor revision………………
Accept after major revision ………………
Do not accept (*Reasons below*) ………

Rating	Excel.	Good	Fair	Poor
Originality		√		
Techn. Quality		√		
Clarity		√		
Significance			√	

Reviewer's Name: Dr Aamina

Reviewer's Decision about Paper: **Recommended for Publication.**

Comments (*Use additional pages, if required*)

Reviewer's Comment / Report

Title Evaluation:
The title clearly reflects the focus and scope of the research. It effectively communicates the key variables of interest—alcohol dependence syndrome, socio-demographic factors, and the study design—ensuring relevance and clarity for prospective readers.

Abstract Assessment:
The abstract offers a comprehensive summary of the study, covering the background context, objectives, methodology, findings, and conclusion. The background section effectively draws on national survey data (NDUS 2019), presenting relevant statistics that justify the need for the study. The objective is precisely stated, and the methodology is briefly but adequately described. The results section communicates the key findings with specific prevalence figures and mentions statistically associated factors. The conclusion is consistent with the presented data and underlines the significance of socio-demographic variables in alcohol dependence.

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Introduction Quality:

The introduction is detailed and informative, incorporating both international and national perspectives on alcohol use and dependence. It cites authoritative definitions and diagnostic frameworks (NCI, DSM-5), emphasizing the physiological and psychological mechanisms involved in alcohol dependence. The inclusion of clinical and animal model references strengthens the scientific foundation. National data from NDUS 2019 offers a strong epidemiological context, and the demographic breakdown enhances the pertinence of the issue in the Indian context. Overall, the introduction sets a strong premise for the necessity and relevance of the study.

Scientific and Methodological Rigor:

The study employs a cross-sectional design, which is appropriate for estimating prevalence and identifying associations. The sampling method is described as simple random sampling, enhancing the validity of the findings. The sample size of 125, though modest, appears justified within the context provided. The use of validated tools such as the AUDIT and the Obsessive-Compulsive Drinking Scale enhances the credibility of the data collection process. Ethical procedures, including informed consent, are noted, aligning the study with standard research protocols.

Results Presentation and Interpretation:

The results are clearly presented with quantified classifications of alcohol use based on AUDIT scores. The reporting of 72.8% as alcohol dependent is a significant finding, and the breakdown of drinking patterns adds valuable granularity. The identification of socio-demographic factors (age, income, marital status) as statistically associated with dependence is well articulated. Mention of additional associations such as alcohol craving, obsession, compulsion, and stigma further enriches the findings. The data is presented in a logical manner, and the interpretation aligns with the stated objectives.

Relevance and Implications:

This study addresses a critical public health issue in India. The findings provide valuable insights into alcohol dependence patterns among adults in Bangalore, with potential implications for healthcare policy, mental health services, and targeted intervention programs. The socio-demographic associations highlight key areas for public health focus and resource allocation.

Overall Evaluation:

This manuscript presents a timely and significant contribution to the understanding of alcohol dependence in an Indian urban context. It is well-grounded in both global and national literature, and the methodological framework is solid. The analysis is appropriately focused, and the results are presented in a coherent and informative manner. The study fulfills its stated objective and offers evidence that could inform further research, clinical practice, and public health policy.