PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 91878

Title: Genetically predicted fatty liver disease and risk of psychiatric disorders: A Mendelian randomization study

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03709824

Position: Editorial Board

Academic degree: BSc, MSc, PhD

Professional title: Full Professor, Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2024-01-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2024-01-22 01:17

Reviewer performed review: 2024-02-04 06:05

Review time: 13 Days and 4 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [Y] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Comments on manuscript no. 91878 1. Please include some discussion on thyroid disease and its relationship with psychiatric diseases in introduction 2. The authors should mention the variables which can affect the outcome such as smoking, age, use of medication. 3. Authors did not find any association between NAFLD, ARLD and depression or schizophrenia; however, both antidepressants or antipsychotic drugs induced NAFLD within 1-3 years of treatment. 4. This is not clear why authors used specific SNPs for various metal disorders. Whether they pose risk for NFALD or ARLD. 5. Various inflammatory cytokines such as IL1b, IL-6 and TNFa also elevated in depression, and schizophrenia and NAFLD, ARLD; however, authors did not find association between NAFLD or ARLD and these psychiatric disorders. This needs to be clarified. 6. Please check typographical mistakes throughout the text.