

REVIEWER'S REPORT

Manuscript No.: JNHM-163

Title: Diagnosis of hypoglycemia in children and newborns: A review

Recommendation:

- Accept as it is
 ✓ Accept after minor revision.....
 Accept after major revision
 Do not accept (*Reasons below*)

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

Reviewer Name: Dr S. K. Nath

Detailed Reviewer's Report

Strength of the study:

- Covers an important neonatal and pediatric topic
- Discusses glucose metabolism in newborns
- Explains important physiological mechanisms
- Includes risk factors for neonatal hypoglycemia
- Discusses different approaches to diagnosis
- Provides useful tables on glucose levels and risk groups
- Includes recent references from 2024 and 2026
- Highlights the importance of accurate glucose measurement

Weakness of the study:

- The review lacks a clearly described search methodology
- The introduction contains unnecessary historical discussion
- Some statements are unclear or scientifically confusing
- Diagnostic recommendations are not presented in a structured manner
- Important current clinical guidance is not sufficiently discussed
- Some information is repeated in different sections
- Tables require better formatting and explanation
- Grammar, sentence structure and overall writing need major editing

Reviewers Comments:

The manuscript discusses an important clinical problem and provides a broad overview of glucose metabolism, neonatal adaptation, risk factors and diagnosis of hypoglycemia. The inclusion of tables describing glucose concentrations and high risk groups is useful for readers. However, the manuscript needs substantial revision. As a review article, it does not clearly describe the literature search strategy, databases, selection criteria or method used to identify the supporting evidence. Some sections contain lengthy historical and physiological explanations that are not directly related to the main focus of diagnosis. Several statements are unclear and require scientific verification, particularly those concerning glucose metabolism and hormonal regulation. The article also needs a more structured discussion of current diagnostic thresholds and clinical interpretation. Ethical clearance is not applicable because this is a literature review, but this should be stated. Grammar, punctuation, spacing and sentence construction require careful correction. Overall, the topic is relevant, but the scientific presentation and writing quality need considerable improvement.

Jana Nexus: Journal of Health and Medicine

Publisher's Name: Jana Publication and Research LLP

<https://www.jananexushm.com>

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Previously Published anywhere/Plagiarism check:

No obvious evidence of duplicate publication is apparent from the submitted manuscript. The article appears to be a review based on previously published literature, with references provided throughout the text. However, originality cannot be confirmed from the manuscript alone. A formal plagiarism and similarity check should be performed before publication, particularly because several sections closely summarize established literature.