

REVIEWER'S REPORT

Manuscript No.: IJAR-52034

Date: 31/05/2025

Title: Clinical Profile and Short-Term Outcomes of Neonates with Congenital Anomalies in a Tertiary Care Hospital

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

Date: 31/05/2025

Reviewer's Comment for Publication:

The study effectively highlights the diverse clinical profiles of neonates with congenital anomalies and underscores prematurity and low birth weight as key factors influencing mortality. It emphasizes the importance of early diagnosis and optimized neonatal management to improve outcomes. However, future research with a prospective design, multicenter data, and long-term follow-up is necessary to develop comprehensive strategies for managing congenital anomalies in neonates.

Reviewer's Comment / Report

Strengths:

- Relevant and Focused Objectives:** The study clearly aims to describe the clinical profiles and short-term outcomes of neonates with congenital anomalies, which is vital for improving neonatal care.
- Comprehensive Data Collection:** The methodology includes detailed variables such as demographic data, types of anomalies, management approaches, and outcomes, providing a holistic view.
- Significant Findings on Risk Factors:** The study identifies prematurity and very low birth weight as significant predictors of mortality, which aligns with existing literature and has practical implications.
- Adequate Sample Size Calculation:** The sample size was thoughtfully calculated and adjusted for incomplete records, strengthening the reliability of results.
- Ethical Considerations:** The study mentions obtaining ethical approval and ensuring confidentiality, adhering to ethical research standards.

Weaknesses:

- Retrospective Design Limitations:** As a retrospective cohort study, it is susceptible to biases such as incomplete or inaccurate medical records and missing data.
- Limited Scope of Variability:** Being conducted at a single tertiary care center, the findings may not be generalizable to broader populations or other healthcare settings.
- Short-Term Focus:** Outcomes are limited to in-hospital survival without long-term follow-up, which restricts understanding of the full impact of congenital anomalies.
- Potential for Diagnostic Bias:** The study notes that antenatal scans missed some anomalies, indicating possible limitations in prenatal diagnostic accuracy.
- Lack of Detailed Analysis of Specific Anomalies:** While common anomalies are mentioned, the study does not extensively analyze outcomes based on specific types of anomalies or surgical interventions.