

## REVIEWER'S REPORT

Manuscript No.: IJAR-53395

Date: 19-08-2025

**Title:** The Effect of Implementing Nursing Driven Electrolyte Repletion Protocol on the performance of Critical Care Nurses and Patients' Outcomes

### 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 Name: Dr Aamina

### Reviewer's Comment for Publication.

#### General Assessment:

The manuscript presents a significant and practical contribution to nursing practice and critical care management. By evaluating the impact of a nursing-driven electrolyte repletion protocol, it addresses both professional development for nurses and patient care outcomes, which are central concerns in evidence-based nursing. The research demonstrates a clear connection between structured clinical protocols and measurable improvements in both nurse performance and patient outcomes.

#### Originality and Relevance:

The study is highly relevant as it tackles a crucial clinical challenge: the timely management of electrolyte imbalances in critically ill patients. Introducing a nursing-driven approach is both innovative and impactful, as it empowers nurses to act within defined guidelines, reduces delays in care, and enhances patient safety. The dual focus on nurse performance and patient outcomes strengthens the study's relevance to both healthcare providers and administrators.

#### Clarity and Structure:

The manuscript is well-structured, beginning with a clear abstract that outlines the background,

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aim, design, sample, setting, tools, results, and conclusions. The introduction provides essential background on electrolyte imbalances and their clinical significance. The flow from problem identification to methodological design and results is coherent and easy to follow.

### **Methodology:**

A quasi-experimental design is appropriately employed to assess the effect of protocol implementation. The use of multiple data collection tools—nurse questionnaires, patient assessments, and outcome checklists—provides a comprehensive evaluation of both nursing knowledge/practice and patient health indicators. The sample of nurses and patients from intensive care units offers a practical context for the study.

### **Results and Findings:**

The findings are clearly presented and supported by statistical evidence. The study demonstrates substantial improvement in nurses' knowledge (from 35% to 82.5%) and practice competence (from 22.5% to 87.7%) post-protocol implementation. Patient outcomes also improved significantly across physiological, neurological, and general measures. These results underscore the protocol's effectiveness in enhancing clinical practice and patient care.

### **Contribution to Knowledge:**

The study contributes to advancing nursing science by validating the role of standardized, nurse-driven protocols in critical care. It reinforces the significance of structured interventions in improving both professional competencies and patient health outcomes. This dual impact situates the manuscript as a meaningful addition to research on protocol-driven nursing practices.

### **Language and Presentation:**

The manuscript is written in a clear, professional, and academic tone. Terminology is appropriate for the clinical and research contexts, and the data presentation is straightforward and accessible to readers in nursing and healthcare fields.

### **Conclusion:**

The study provides strong evidence that implementing a nursing-driven electrolyte repletion protocol enhances nurse knowledge, practice, and patient outcomes in intensive care units. It

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highlights the critical role of empowering nurses through structured clinical protocols to ensure safe and effective management of electrolyte imbalances.