

## REVIEWER'S REPORT

Manuscript No.: **IJAR-53021**

**Title:** *The Effect of the Educational Program based on Roy's Adaptation Model on the Quality of Life for Patients with Hemiplegia*

### 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 Aamina

### Reviewer's Comment for Publication.

### Abstract and Scope:

The abstract succinctly presents the core aspects of the study, including the background, objective, research design, setting, methodology, key findings, conclusion, and recommendations. The focus on Roy's Adaptation Model to enhance the quality of life in patients with hemiplegia is clearly articulated and relevant. The presentation of results, particularly the comparative outcomes between study and control groups, provides clarity and a strong foundation for the conclusions drawn.

### Scientific Relevance:

The study addresses a significant issue in neurological rehabilitation—improving the quality of life for individuals with hemiplegia through structured educational interventions. The use of Roy's Adaptation Model as a theoretical framework enhances the academic rigor and adds depth to the conceptualization of patient-centered care. The topic is both timely and clinically relevant, given the high burden of stroke-related disability globally and particularly in Egypt.

### Research Design and Methodology:

The adoption of a quasi-experimental design and purposive sampling method is appropriate for evaluating intervention efficacy in a clinical setting. The sample size of 100 patients, equally divided into study and control groups, allows for meaningful comparative analysis. The use of four well-defined tools, including validated scales such as the Stroke Specific Quality of Life Scale (SS-QOL), ensures

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comprehensive assessment of adaptation and quality of life. Random allocation enhances internal validity, despite the non-random sampling technique.

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### Results and Analysis:

The findings are clearly reported and demonstrate statistically significant improvements in the intervention group. The differentiation in outcomes between the study and control groups is presented with numerical support (e.g., over half achieving good levels of adaptation in the intervention group versus over 70% with poor outcomes in the control group). These results underscore the effectiveness of the educational program based on Roy's Adaptation Model in enhancing adaptive responses and life quality for patients with hemiplegia.

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### Literature Contextualization:

The introduction effectively contextualizes the problem of hemiplegia, both globally and within the Egyptian public health framework. Citing recent sources, the authors demonstrate the condition's prevalence, causes, and multifaceted impact on patients' physical, emotional, and social well-being. The linkage of hemiplegia to stroke and other etiologies such as traumatic brain injury and cerebral palsy is appropriately addressed.

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### Theoretical Framework:

The study's grounding in Roy's Adaptation Model provides a structured approach to understanding and facilitating patient adaptation. This model, which emphasizes individuals' responses to environmental stimuli and their ability to adapt physiologically, psychologically, and socially, is well-suited for guiding rehabilitation efforts.

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### Language and Structure:

The language is formal and academic, appropriate for a scholarly audience in the health sciences. The structure follows a logical flow from abstract to introduction, incorporating relevant citations and aligning with scientific writing standards.

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### Keywords:

The selected keywords—*educational program based on Roy adaptation model, hemiplegia, quality of life*—accurately reflect the study's core content and thematic emphasis.

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### Conclusion:

This manuscript presents a well-structured and methodologically sound study that demonstrates the positive impact of a Roy Adaptation Model-based educational program on the quality of life for patients

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with hemiplegia. The research is rooted in both theoretical and empirical foundations, offering valuable insights for nursing practice, patient education, and rehabilitation strategies.