

REVIEWER'S REPORT

Manuscript No.: IJAR-58605

Title: Outcome of Lumbar Spine Surgery Using Spinal Anaesthesia in Nigeria: A Multi-Centre 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 ID: JP085

Reviewer's Comment for Publication.

This manuscript presents a retrospective multi-centre study evaluating the outcomes of lumbar spine surgery performed under spinal anaesthesia in Nigeria. The study includes a relatively large sample from four tertiary hospitals and demonstrates significant improvement in pain, functional status, and recovery following surgery. The topic is clinically relevant, particularly in resource-limited settings. The manuscript is well organized and the findings are supported by appropriate statistical analysis. However, some methodological limitations should be addressed.

Strength:

1. The study includes a large sample size from four tertiary centres.
2. Clinically important outcomes such as pain, disability, return to work, and complications were evaluated.
3. Appropriate statistical methods, including multivariate logistic regression, were used.
4. Results are clearly presented with tables and supported by relevant literature.
5. The findings provide useful evidence for the use of spinal anaesthesia in lumbar spine surgery.

Weakness:

1. The retrospective study design may introduce selection bias.
2. There was no comparison group receiving general anaesthesia.
3. Follow-up was limited to six months, so long-term outcomes were not assessed.
4. Patient satisfaction and quality-of-life measures were not evaluated.
5. Minor English language and formatting corrections are recommended..

Overall assessment:

This manuscript provides valuable evidence supporting the use of spinal anaesthesia for lumbar spine surgery in a resource-limited setting. The study is well conducted, and the conclusions are supported by

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the presented data. Addressing the methodological limitations and improving the discussion of long-term outcomes would further strengthen the manuscript.

Recommendation: Manuscript accepted for publication after minor revision.