

REVIEWER'S REPORT

Manuscript No.: IJAR-54043

Date: 26/09/2025

Title: Target-Controlled Infusion versus Intermittent Bolus Administration of Propofol for Sedation in Colonoscopy: A Randomized Controlled Trial

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: Sakshi Jaju

Date: 26/09/2025

Reviewer's Comment for Publication.

This randomized controlled trial compared Target-Controlled Infusion (TCI) and Intermittent Bolus (IB) administration of propofol in 100 colonoscopy patients. Both methods were safe. TCI shows fewer sedation adjustments, better hemodynamic stability, higher patient satisfaction. IB shows less propofol use, shorter recovery time.

Strengths:

1. Well-designed RCT with clear methodology.
2. Comprehensive outcomes: safety, efficacy, satisfaction, drug use.
3. Appropriate statistical analysis with clinically meaningful endpoints.

Weaknesses:

1. No long-term outcome or cost-effectiveness data.
2. Single-center study limits generalizability.

Overall Assessment:

A well-structured trial providing useful insights for clinical practice. Both sedation techniques are safe, but TCI offers smoother sedation at the cost of longer recovery and higher drug use. Article need to be revised for better understanding and grammatical revision.

Recommendation:

Manuscript accepted for the publication after major revision .