

## REVIEWER'S REPORT

Manuscript No.: IJAR-54172

Date: 03/10/2025

Title: Perioperative Anesthetic Implications of Tirzepatide (Mounjaro) in Saudi Arabia

### 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: 03/10/2025

### Reviewer's Comment for Publication.

This article discusses how the diabetes and obesity drug Mounjaro, a dual GIP and GLP-1 receptor agonist, affects anesthesia during surgery. It highlights its benefits for blood sugar control and weight loss but warns about delayed gastric emptying, which can cause aspiration risks even after fasting. The paper reviews international guidelines, clinical evidence, and Saudi Arabia's growing use of these drugs, suggesting the need for careful perioperative planning and local protocols.

### Strengths:

1. Covers an important and timely clinical issue.
2. Summarizes global and regional guidelines well.
3. Provides clear explanation of risks like aspiration and delayed gastric emptying.
4. Useful for anesthesiologists and perioperative teams in Saudi Arabia.

### Weaknesses:

1. Mainly a narrative review, not original clinical research.
2. Some repetition in discussion about gastric emptying.
3. Recommendations are general; more practical algorithms would be helpful.

### Overall Assessment:

The article is well-structured, relevant, and informative. It raises awareness about perioperative risks in patients using Tirzepatide and stresses the importance of careful planning. However, it would be stronger with more local evidence and clear step-by-step protocols.

### Recommendation:

Manuscript accepted for the publication after minor corrections.