

## 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: Dr. S. K. Nath

Date: 03/10/2025

### Reviewer's Comment for Publication:

The manuscript presents relevant, current information on an important perioperative issue, and with revisions, can be a valuable resource. However, significant improvements are needed to enhance its clarity, scientific rigor, and practical applicability. The authors should address the methodological gaps, provide deeper critical analysis, and supplement with specific, evidence-based perioperative management recommendations. Additionally, rigorous language editing is essential.

### Reviewer's Comment / Report

#### Strengths:

- **Relevance:** The focus on Tirzepatide's perioperative implications is timely given its growing use worldwide and the unique challenges posed by its pharmacodynamics.
- **Comprehensive Background:** The paper covers not just pharmacology but also the clinical considerations related to gastric emptying and aspiration risk.
- **Context-Specific Discussion:** Emphasizing the situation in Saudi Arabia adds value and relevance for local clinical practice.
- **Use of Up-to-Date Guidelines:** Summarizing recent guidelines provides practical insight for clinicians.

#### Weaknesses:

- **Methodological Deficiency:** The paper appears to be a narrative review but lacks a clear description of how literature was selected or analyzed, reducing transparency and reproducibility.
- **Limited Critical Analysis:** While summarizing existing guidelines and studies, it does not critically appraise the quality of the evidence or compare different approaches systematically.
- **Lack of Specific Guidance:** The discussion would be significantly strengthened by proposing clear perioperative management protocols or decision trees based on the current evidence.
- **Language and Grammar:** Several grammatical errors, awkward phrasings, and inconsistent tense usage diminish the manuscript's clarity and professionalism. For example, phrases like "the drugs pose a low hypoglycaemia risk" could be clearer as "these drugs are associated with a low risk of hypoglycemia."
- **Structural Organization:** The manuscript could benefit from clearer section headings and subheadings (e.g., Introduction, Pharmacology, Perioperative Considerations, Guidelines, Conclusions) for better readability.

#### Specific Instructions for the Author:

1. **Methodology:** Add a brief description of your literature search and selection process to improve transparency.

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2. **Evidence Appraisal:** Critically evaluate the strength of cited studies, highlighting limitations and consensus.
3. **Clinical Guidance:** Develop clear perioperative protocols or algorithms for managing patients on Tirzepatide, with references.
4. **Language & Grammar:** Conduct thorough proofreading. Pay attention to sentence structure, tense consistency, and clarity. For example: "The drugs pose a low hypoglycaemia risk" → "These drugs have a low risk of hypoglycemia."
5. **Structure:** Use consistent and descriptive section headings for ease of navigation (e.g., Introduction, Pharmacology, Perioperative Management, Guidelines, Conclusions).