

REVIEWER' S REPORT

Manuscript No.: IJAR-54395

Date: 18/10/2025

Title: Role of NIV in Acute Exacerbation of COPD

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: 18/10/2025

Reviewer' s Comment for Publication.

This study evaluates the use of Non-Invasive Ventilation (NIV), particularly BiPAP, in patients suffering from acute exacerbation of COPD. The study included 84 patients, mostly elderly males. After using BiPAP, 88% showed improvement within 2 hours, while 12% required invasive ventilation. The treatment improved blood gas levels, oxygen saturation, and reduced respiratory distress. The authors concluded that BiPAP is a safe, effective, and cost-efficient method to manage COPD with respiratory failure, reducing the need for intubation and long hospital stays.

Strengths:

1. Clear focus on practical, real-world clinical management.
2. Demonstrates measurable outcomes with data on ABG and oxygen levels.
3. Supports findings with comparisons from similar studies.
4. Highlights BiPAP as an easy, non-invasive, and cost-effective intervention.

Weaknesses:

1. Single-center study limits generalization.
2. Lacks a detailed statistical analysis of results.
3. No control group for direct comparison with invasive ventilation.

Overall Assessment:

The article provides useful clinical insights into the effectiveness of NIV in COPD management.

Despite some methodological limitations, it effectively supports the use of BiPAP as a first-line, non-invasive treatment for acute COPD exacerbations. Overall, it is a well-structured, informative, and clinically relevant paper.

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Manuscript accepted for the publication.