

## REVIEWER'S REPORT

Manuscript No.: IJAR-52567

Date: 02-07-2025

**Title:** Appendicular Perforation due to *Streptococcus pneumoniae* in an elderly male: A rare case report from North India

### Recommendation:

**Accept as it is .....YES.....**

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 Aamina

### Reviewer's Comment for Publication.

### Overall Evaluation:

This case report presents a clinically significant and rare instance of appendicular perforation attributed solely to *Streptococcus pneumoniae* in an elderly male. The case is both relevant and noteworthy due to the rarity of *S. pneumoniae* as a monomicrobial cause of appendicitis, particularly in the elderly population. It adds important data to the limited body of literature on atypical microbial etiologies of appendicitis.

### Strengths:

#### 1. Rarity and Clinical Relevance:

The documentation of *S. pneumoniae* as a monomicrobial cause of appendicular perforation is exceptionally rare and clinically relevant, especially given the patient's comorbidities and the fatal outcome despite timely surgical and antibiotic intervention.

#### 2. Clear Abstract and Objective:

The abstract provides a concise overview of the case, underlining the organism involved, the clinical course, diagnostic modality, and the unfortunate outcome. The focus is maintained throughout the narrative.

#### 3. Appropriate Clinical Detail:

The manuscript presents a coherent account of the patient's background, clinical presentation, comorbidities, microbiological diagnosis, and outcome. The use of Vitek-2 compact for organism identification strengthens the credibility of the microbiological findings.

#### 4. Public Health and Surgical Insight:

The case underlines the importance of considering uncommon pathogens like *S. pneumoniae* in

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abdominal infections, particularly in vulnerable populations such as the elderly with comorbid conditions. It raises awareness among clinicians and microbiologists alike.

5. **Well-Justified Conclusions:**

The authors appropriately caution that although rare, *S. pneumoniae* should not be dismissed as a potential pathogen in cases of appendicitis, especially with rapid deterioration. The call for further studies to understand potential risk factors is well-positioned.

6. **Language and Structure:**

The case is written in a clear, professional tone with appropriate scientific terminology. The structure is logical and easy to follow.

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### **Conclusion:**

This is a well-documented and compelling case report that contributes rare clinical evidence regarding the potential of *Streptococcus pneumoniae* to cause severe intra-abdominal infections, including appendicular perforation. The article is of significant value to surgeons, infectious disease specialists, and public health researchers, particularly those working in resource-limited or high-burden settings.