

REVIEWER'S REPORT

Manuscript No.: IJAR-52567

Date: 30/06/2025

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

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: 30/06/2025

Reviewer's Comment for Publication:

The authors conclude that Streptococcus pneumoniae, though an uncommon cause, can lead to severe appendicitis and perforation, especially in high-risk patients. Such infections may become fatal if not promptly identified and treated. The report advocates for surgeons and clinicians to consider S. pneumoniae as a potential etiological agent in abdominal infections, emphasizing early diagnosis and appropriate antimicrobial therapy.

Reviewer's Comment / Report

Strengths:

- Rare Case Documentation:** The report highlights an extremely uncommon cause of appendicitis, adding valuable data to medical literature.
- Thorough Microbiological Analysis:** Identification of S. pneumoniae was confirmed with advanced techniques like Vitek-2, and sensitivity testing provides insight into effective antimicrobial therapy.
- Clinical Relevance:** The case underscores the importance of considering atypical pathogens like S. pneumoniae in intra-abdominal infections, influencing surgical and antimicrobial management.
- Contextual Literature Review:** The paper discusses previous similar cases, placing this report within the broader landscape of rare pneumococcal infections.
- Clear Case Presentation:** The patient's history, clinical findings, surgical details, and microbiological results are systematically reported.

Weaknesses:

- Limited Case Number:** As a single case report, findings may not be widely generalizable without larger studies.
- Lack of Detailed Pathophysiology:** While the case mentions the rarity, it offers limited insight into how S. pneumoniae selectively caused appendicitis without other polymicrobial involvement.
- Outcome Focused but Limited Postoperative Data:** The patient's postoperative course, complications, and reasons for eventual demise could be elaborated further for better understanding.
- Absence of Immunological Evaluation:** There's no mention of immunocompromised status beyond age and alcoholism, which might have contributed to susceptibility.
- Preventive and Clinical Implication Gaps:** The article could benefit from a discussion on preventive strategies or diagnostic considerations for such atypical infections.