



## COMPARATIVE STUDY OF CLINICAL AND MICROBIOLOGICAL PROFILE OF PATIENTS OF APPENDICITIS UNDERGOING APPENDECTOMY IN COMPLICATED VS UNCOMPLICATED CASES IN A TERTIARY CARE CENTRE

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### ABSTRACT

**Background:** Acute appendicitis is among the commonest surgical emergencies. Complicated appendicitis is associated with greater morbidity and distinct microbiological characteristics.

**Objectives:** To compare the clinical and microbiological profile of complicated versus uncomplicated appendicitis. **Methods:** Prospective observational comparative study including patients undergoing appendectomy. Patients will be categorized into complicated and uncomplicated groups based on operative findings. Clinical data, operative findings, culture and sensitivity of appendiceal/peritoneal samples, and postoperative outcomes will be compared using appropriate statistical tests. **Expected Results:** Complicated appendicitis is expected to show delayed presentation, higher inflammatory markers, increased polymicrobial infection, greater antimicrobial resistance, and longer hospital stay. **Conclusion:** The study will help optimize empirical antibiotic therapy and improve management of appendicitis.

### KEYWORDS :