



## General Surgery

## TO COMPARE THE POSTOPERATIVE OUTCOME BETWEEN LANZ INCISION AND MCBURNEYS INCISION FOR OPEN APPENDECTOMY

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**ABSTRACT**

**Aims And Objectives:** To compare the post-operative outcome between lanz incision and McBurney's incision for open appendectomy **Methods:** A comparative study was conducted in the department of General Surgery, King George Hospital, Visakhapatnam from September 2020 to September 2021. Study included 100 patients who underwent open appendectomy after being explained regarding the procedure and the study and their need for follow up and proper peri-operative care; of which 50 patients undergone lanz incision and 50 patients undergone McBurney's incision for open appendectomy. Post-operative pain, wound healing and cosmetic appearance, length of hospital stay observed in both the groups of patients. **Results:** In our study, we have derived that lanz incision has a better post-operative healing with low pain scores and less post-operative wound infection compare to McBurney's incision for open appendectomy **Conclusion:** lanz incision is a better surgical incision open appendectomy which have a properties of low post-operative pain and faster healing and low wound infection rate and good cosmetic appearance

**KEYWORDS :** appendectomy, Lanz incision, mc Burney incision

**INTRODUCTION**

Acute appendicitis is the most common surgical emergency, we will encounter in casualty.

The best treatment for acute appendicitis is emergency open appendectomy. There are various techniques for appendectomy like McBurney's incision, Modified McBurney's incision aka lanz incision, Rockey-Davis incision. Here we compare the post-operative outcome between lanz incision and McBurney's incision for open appendectomy.

**AIMS AND OBJECTIVES**

To compare the post-operative outcome between lanz incision and McBurney's incision for open appendectomy

**MATERIALS AND METHODS**

- 1) A comparative study was conducted in the department of General Surgery, King George Hospital, Visakhapatnam from September 2020 to September 2021.
- 2) Study included 100 patients who underwent open appendectomy after being explained regarding the procedure and the study and their need for follow up and proper peri-operative care; of which 50 patients undergone lanz incision and 50 patients undergone McBurney's incision for open appendectomy.

**Inclusion Criteria**

- 1) Patients with established diagnosis of acute appendicitis.
- 2) Patients undergoing open appendectomy
- 3) patients between 18-70 years age group are taken
- 4) patients who are willing to participate in study

**RESULTS**

**Table no 1: Sex Distribution**

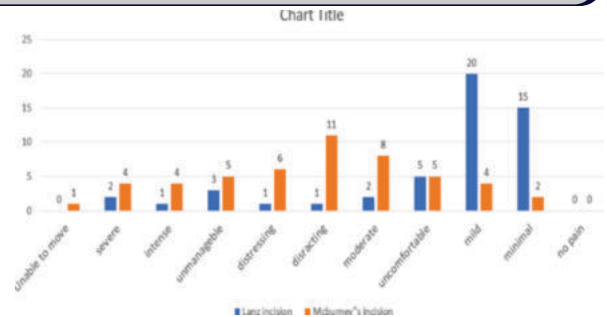
Study group	Male %	Female %	Total
Lanz	32(64)	18(36)	100
Mc Burney's	28(56)	22(44)	100

P value 0.245

**Table no:2 Age Distribution**

s.no	Age in years	number
1	20-30	45
2	30-40	33
3	40-50	12
4	50-60	5
5	60-70	5

**Table no:3 Comparison of frequency distribution of pain score in the study group**



**Table no:4 Comparison of frequency distribution of Cosmetic appearance in the study group using Visual analog scale (5-18)**

Type of incision / study group	Cosmetic Appearance Based On Visual Analog Scale -average Score
Lanz	14
Mc Burney's	10

**CONCLUSION**

- 1) In our study, we have derived that lanz incision has a better post-operative healing with low pain scores and less post-operative wound infection compare to McBurney's incision for open appendectomy
- 2) lanz incision is a better surgical incision open appendectomy which have a properties of low post-operative pain and faster healing and low wound infection rate and good cosmetic appearance.
- 3) However lanz incision is inferior to mc Burney incision if incision has to be extended as in case of subhepatic appendix

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