



A COMPARATIVE STUDY OF OPEN MESH REPAIR AND DESARDA'S NO-MESH REPAIR FOR INGUINAL HERNIA, IN TERTIARY HEALTH CENTRE - DEVANAHALLI

General Surgery

Dr. Chetan Kumar H M Junior Resident Department Of General Surgery, Akash Institute Of Medical Sciences & Research Centre

Dr. Venkatakrishna B R* Professor & hod department of general surgery, , akash institute of medical sciences & research centre*Corresponding Author

KEYWORDS

INTRODUCTION/BACKGROUND

- Inguinal hernia is the most common among the hernias. The best treatment modality of it is primarily surgical. Improvements in surgical techniques of inguinal hernia repair have significantly improved the outcomes for patients.
- The success rate of hernia surgeries is mostly noted by its permanence, amount of complications, cost effectiveness, and duration to return to normal activity.

AIMS & OBJECTIVES

- To assess and compare the efficacy of Desarda's no mesh repair over Lichtenstein repair for the treatment of inguinal hernia.
- To compare the complications associated with both the modalities of treatment

INCLUSION CRITERIA : All patients who present in surgical outpatient department with inguinal hernia.

- Direct
- Indirect
- Pantaloon

EXCLUSION CRITERIA :

- Pregnancy.
- age<12yr and >80 yrs.
- Morbid obesity.
- Recurrent/Complicated inguinal hernia.

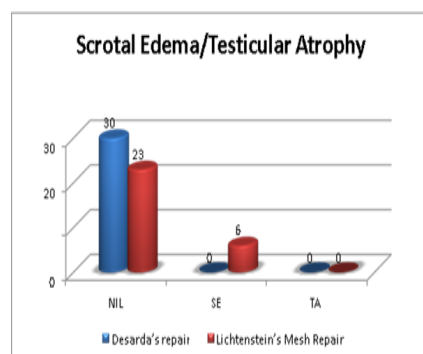
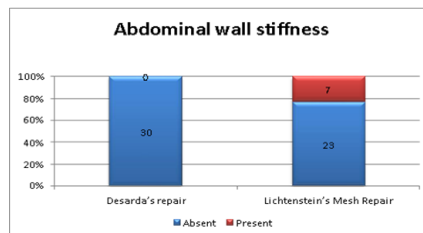
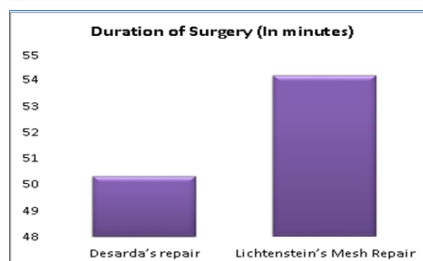
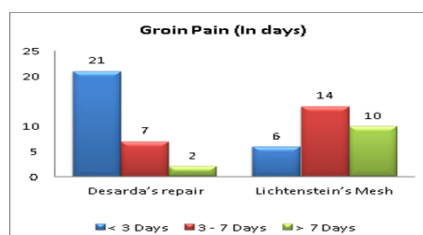
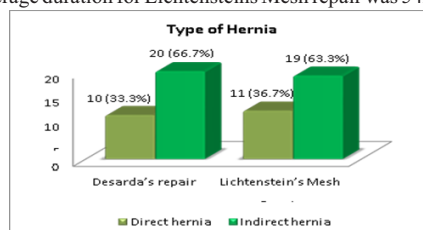
METHODS AND METHODOLOGY

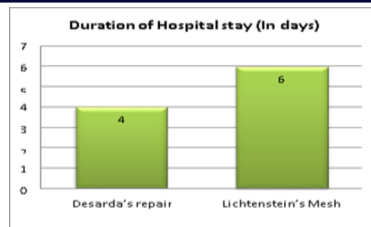
- The study was carried out in Akash Institute of medical sciences and Research Centre over a period of 1 year.
- Study design : prospective study.
- Study period: one year (April 2022 to April 2023).
- A total of 60 cases diagnosed to have inguinal hernia were included in the study fulfilling the inclusion and exclusion criteria. 30 patients were randomly subjected to Desarda's technique and 30 patients underwent Lichtenstein's repair.
- Data for the proposed study was collected in a pretested proforma which included various parameters like type of hernia, duration of symptoms.
- Detailed history and physical examination were done.
- After surgical interventions, patients were followed up and noted for different parameters of study.
- Results were represented in tabular and graphical format.

RESULTS

Age in yrs	frequency	percent
Upto 25yrs	5	8.3
26-35yrs	7	11.7
36-45yrs	8	13.3
46-55yrs	15	25
>55yrs	25	41.7
total	60	100

The average duration for Desarda's No mesh repair was 49minutes.
The Average duration for Lichtensteins Mesh repair was 54minutes.





CONCLUSION

Desarda's technique is easy to learn and simple when compared to other tissue repair techniques and this requires no mesh.

It is physiologically sound.

It can be performed under local anesthesia when patient is unfit for Regional/General anesthesia.

It is associated with less duration of surgery, less mesh related complications in the postoperative period and there is early return to normal activity.

It can be used in a contaminated surgical field, in young individuals and in cases of financial constraints.

To conclude Desarda's no mesh repair, when compared to Lichtenstein's mesh repair produces same or better results.

Large scale study and Long term follow up may be required to identify the recurrent cases.

REFERENCES

1. Desarda Versus Lichtenstein Technique for Primary Inguinal Hernia Treatment: 3-Year Results of a Randomized Clinical Trial Jacek Szopinski Stanislaw Dabrowiecki Stanislaw Pierscinski Marek Jackowski Maciej Jaworski Zbigniew Szuflet
2. A Randomized Trial Comparing Lichtenstein Repair and No Mesh Desarda Repair for Inguinal Hernia: A Study of 1382 Patients P.R.I. Rodríguez1, P.P. Herrera2, O.L. Gonzalez3, J.R.C. Alonso1, H.S.R. Blanco