COMPARISON BETWEEN SURGICAL OUTCOMES OF LAPAROSCOPIC eTEP, OPEN RIVES STOPPA REPAIR AND LICHTENSTEIN HERNIOPLASTY FOR BILATERAL INGUINAL HERNIA

INTRODUCTION

- Inguinal hernias are common surgical entity globally.
- Multiple methods are available to treat bilateral inguinal hernias
- For selecting optimal approach for bilateral inguinal hernia surgery, patient specific factors, surgeons expertise and hospital resources should be considered.
- The primary objective of this study is to compare surgical outcomes in three methods of bilateral inguinal hernia surgery, eTEP, Rives Stoppa repair and Bilateral Lichtenstein's repair.

METHODS

Study Period: April 2019 to March 2024.
Data Source: Operative surgery data from a single institute.
Methods Analysed:

- Bilateral Lichtenstein's Hernioplasty (243 cases)
- Open Rives Stoppa Repair (119 cases)
- Laparoscopic eTEP (63 cases)

Factors Considered:

- Type of anesthesia
- Operative time
- Intraoperative complications
- Postoperative pain
- Length of hospital stay
- Wound infection
- Mesh infection
- Postoperative inguinodynia and recurrence

RESULTS

Method	Lichenstein (243)	Rives Stoppa (119)	eTEP (63)
Anesthesia	Spinal	Spinal	General
Operative Time	67 mins	53 mins	77 mins
Intraoperative Complications	None	Bleeding (1), Peritoneal tears (9)	Bleeding (1), Peritoneal tears (11)
Postoperative Pain	High	Moderate	Low
Length of Stay	3 days	3 days	2 days
Wound Infections	High	Low	Low
Mesh Infection	None	None	None
Inguinodynia	High	Moderate	Low
Recurrence	2 cases	1 case	1 case

CONCLUSION

- Among all three methods, Open Lichtenstein 's repair procedure showed more complications like postoperative pain.
- Rives Stoppa and eTEP are comparatively good procedures for bilateral inguinal hernia

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