

TRANSABDOMINAL PRE-PERITONEAL (TAPP) MESH WITH EXTERNAL FIXATION (ABDELHAMID TECHNIQUE) VERSUS LICHTENSTEIN FOR REPAIR OF RECURRENT INGUINAL HERNIA

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ABSTRACT

Purpose: Which is more convenient ABDELHAMID technique or Lichtenstein. **Background:** Hernia recurrences are mostly due to excessive tension, abnormal scarred tissue, and inadequate repair or over looked hernias. In Lichtenstein repair A mesh was inserted along the posterior wall without disturbing the old repair. While in transabdominal pre-peritoneal (TAPP) with external fixation the mesh was applied away from the scarred old repair in the preperitoneal space **Methods:** This is a retrospective study for 100 patients done years ago at Al Hayat Hospital Jeddah, KSA, Bani-Suef University Hospital and Bani Suef Health Insurance Hospital. The study design and data collection were between 9 -2015 and 9 – 2016. We reported the patients for duration of operation, hospital stay, cost, recurrence and return to work. **Results:** The mean operative time in TAPP with external fixation was 80 min while in Lichtenstein repair was 65 min. The cost was less in Lichtenstein repair while long of stay (LOS) was the same. Recurrence was 2% in TAPP with external fixation on the other hand it was 4% in Lichtenstein repair. Patients returned back to work after 5 days in TAPP with external fixation and after 9 days in Lichtenstein repair. **Conclusion:** TAPP with external fixation is associated with longer operative time and higher cost but the incidence of recurrence is much less while return to work was earlier in TAPP with external fixation advocating to be used as a primary option in recurrent inguinal hernia repair.

Key words:

Recurrent, Hernia, Inguinal, TAPP, External, Fixation, Lichtenstein.