Chirurgia (Bucur). 2019;114(1):57-66
http://dx.doi.org/10.21614/chirurgia.114.1. 57

Postoperative Outcomes and Patients' Satisfaction after Hybrid TIPP with UHS and TEP Repair for Inguinal Hernias: A Single-Centre Retrospective Comparative Study

Muthana Haroon[1], Osama Al-Sahaf[1,2], Emmanuel Eguare[1,2], Stefan Morarasu[1,2,3,4], Pedro Wagner[1], Rushi Batt[1], Kasi Subramanian[1], Chinenye Santina Anike-Nweze[1], Revathy Ponniah[1], Fiona O'Riordan[1]
[1]Naas General Hospital, Department of Surgery, Ireland
[2]Trinity College Dublin, Ireland
[3]Griore T Popa University of Medicine and Pharmacy Iasi Romania
[4]Regional Oncology Institute, 2nd Clinic of Surgical Oncology, Iasi Romania

Abstract
Background: Transabdominal Preperitoneal (TAPP) and Totally Extraperitoneal (TEP) inguinal hernia repairs are largely acclaimed for their lower risk of chronic postoperative pain and acceptable recurrence rates. However, hybrid/combined open procedures are still a reliable option among surgeons. Our aim is to compare the outcomes and patients' satisfaction of hybrid TIPP (hTIPP) procedure using the Ultrapro Hernia System® with laparoscopic pre-peritoneal mesh repair approaches (TEP) to assess its safety and effectiveness.
Patients and Methods: The study design is a single center, retrospective comparative study on 90 patients who had hTIPP and TEP inguinal hernia repair in the NAAS General Hospital, over a four-year period (2013-2017).
Results: Unplanned postoperative hospital admission was comparable both groups, the figures were 3 patients for hTIPP and 3 patients for TEP. There was no statistically significant difference in the immediate, early and late postoperative pain and complications in both groups. The recurrence rate was nil in hTIPP group compared to one recurrent case in TEP. There is no statistical difference in the five outcomes of the PROM questionnaire and satisfaction rate between hTIPP and TEP.
Conclusions: There is no significant difference between hTIPP and TEP in terms of postoperative outcomes and patient satisfaction. hTIPP approach is a safe and feasible alternative to TEP.
Key words: UHS, TIPP, TEP, hernia, laparoscopic surgery