Non-mesh Desarda Technique Versus Standard Mesh-Bas Lichtenstein Technique for Inguinal Hernia Repair: A Systematic Review and Meta-analysis.

Mohamedahmed AYY[1], Ahmad H[1], Abdelmabod AAN[2], Sillah AK[1]

Author information

World Journal of Surgery, 21 May 2020,
DOI: 10.1007/s00268-020-05587-y PMID: 32440951
Review

Abstract

BACKGROUND:The aims of the present systematic review and meta-analysis were to compare non-mesh Desa technique with standard mesh-based Lichtenstein technique for inguinal hernia repair. METHODS:A systemati literature search for RCTs comparing between DT and LT was conducted using electronic databases and Goog scholar service. Studies were evaluated for recurrence and post-operative complications. We pooled the data u fixed effects model and random effects model after assessing the heterogeneity among the included studies. RESULTS:A total number of 8 RCTs studies were included in this meta-analysis with total number of 3177 patie divided between Desarda group and Lichtenstein group as follows: 1551 patients and 1,626 patients, respectiv There was no difference in terms of recurrence between the Desarda repair and Lichtenstein repair groups [P There was a lower rate of overall post-operative complications [P = 0.003], seroma [P = 0.0004] and surgical site infections (SSIs) [P = 0.04] in the Desarda group. CONCLUSION:DT and LT were found to have comparable resu terms of recurrence rate, haematoma formation, testicular atrophy and time to return to normal daily activity/ DT is superior to LT in terms of reducing post-operative mesh-attributed complications, such as SSI and Serom formation.

Full text links

Read article at publisher's site (DOI): 10.1007/s00268-020-05587-y

Citations & impact

Similar Articles