Comparing chronic pain between fibrin sealant and suture fixation for bilayer polypropylene mesh inguinal hernioplasty: A randomized clinical trial.

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Abstract:

Background The aim of this study was to compare the postoperative pain, complications, and recurrence after bilayer polypropylene mesh inguinal hernioplasty using fibrin sealant versus sutures for fixation. Methods Patients were assigned randomly to either a mesh fixed with suture group (n = 26) or a mesh fixed with fibrin sealant group (n = 30). Postoperative pain was evaluated with a visual analogue scale at days 1 and 7, and the first, third, and sixth month postoperatively. Complications and hernia recurrence were recorded. Results At each time point after surgery, visual analogue scale pain scores in the fibrin sealant group were lower but there was no statistically significant difference. There were no differences in complications or hernia recurrence between the 2 groups. Conclusions Fibrin sealant is associated with similar rates of complications and recurrence as mesh fixation with sutures. There was no statistical difference in pain 6 months postoperatively between the 2 groups.