

Laparoscopic (T.E.P.)Hernia Repair : 3-Point Fixation Technique

Preperitoneal mesh inguinal hernia repair covers all the myopectineal orifice of Fruchaudⁱ and thus reduces the incidence of recurrent herniae.

Total extra-peritoneal (T.E.P.) laparoscopic hernia repair, imitates the open preperitoneal prosthetic mesh repair. Avoids violation of the peritoneal cavity and potential injury of intra-peritoneal organs.

Recurrent hernia is due to the Displacement of mesh due to postoperative seroma. With 3-point fixation technique, mesh displacement is avoided.

GraNee® Needle facilitates the placement and fixation of the mesh in the preperitoneal space. Use of a stapling device is eliminated.

Total cases: 289

280 herniae completed laparoscopically

9 patients developed recurrent hernia (3.11%)

3-Point fixation technique evolved from no fixation of the mesh to 2-Point fixation.

First year the mesh was transfixed at the upper lateral and medial corners. We had 6 recurrences.

All recurrences were indirect and due to medial displacement of the mesh.

For this reason fixation points increased to three and modified their locations. Since then no recurrences observed.

Our overall recurrence rate is 3%. If we excluded the first 6 recurrences due to technical skill acquisition the recurrence rate dropped to 0.9% (1%).

Since introduction of the 3-point fixation technique and thus assured the lateral fixation of the mesh we have not a recurrence.

We observed no testicular atrophy or chronic neuralgia.

"Total Extraperitoneal Laparoscopic Hernia Repair, Four-Year Experience"

D.N. Xanthakos M.D., E.D. Riza M.D., T.G. Duckett M.D., D.K. Evans M.D., R.K. Morris M.D.

GraNee® Needle



Designed for Transferring a Ligature Under Laparoscopic Visualization During Diagnostic Laparoscopy, Mini-Laparoscopy and Operative Laparoscopy.

The R-Med® GraNee® Needle is a 16 gauge GRAsper and a NEEdle. All in one : GRANEE® Needle.

It can be inserted into multiple sites with minimal penetration trauma.

1. **Laparoscopic (T.E.P.)Hernia Repair : 3-Point Fixation Technique**
2. **For the Repair of Incisional or Preperitoneal Hernias . . . Securing the Mesh**
3. **For Securing Trocar Induced Fascial Defects and Prevention of Hernias. This is Accomplished with R-Med® Plugs which Retains Pneumoperitoneum.**
4. **Securing Abdominal Wall Bleeders**