

Comparison of the effect of Desarda method and artificial patch in inguinal hernia

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Objective To evaluate the effect of Desarda method and artificial patch in treatment of inguinal hernia. **Methods** The clinical data of 150 patients who underwent conventional Desarda herniorrhaphy, tension free herniorrhaphy, or laparoscopic herniorrhaphy, respectively were analysed and compared. **Results** The operation time in Desarda herniorrhaphy was less than that in tension free herniorrhaphy and laparoscopic herniorrhaphy ($t=13.0, 9.8, P=0.000, 0.015$). The recovery time, length of hospital stay in Desarda herniorrhaphy were less than that in tension free herniorrhaphy ($t=12.2, 9.6, P=0.020, 0.000$), but no significant difference was observed compared with the laparoscopic herniorrhaphy ($t=0.45, 0.39, P=0.815, 0.496$). The postoperative complication rate was lower than that in tension free herniorrhaphy and laparoscopic herniorrhaphy ($\chi^2=4.150, 1.298, P=0.035, 0.026$). All the patients were followed up for 1 to 3 years, and no one had recurrence. After three days, the blood neutrophils, C-reactive protein (C-RP) and interleukin-8 (IL-8) increased significantly in the patients applied with herniorrhaphy, which were significantly higher in the patients with tension free herniorrhaphy and laparoscopic herniorrhaphy ($F=23.015, 22.512, 9.505, P$ all $=0.000$). **Conclusions** Not only the curative effect of Desarda method is superior to tension-free herniorrhaphy and laparoscopic herniorrhaphy, but also it can effectively reduce medical material costs, which is a humanized treatment method.

【CateGory Index】 : R656.2



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