

论著

腹腔镜下脾切除术的学习曲线分析

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摘要:

目的: 评价腹腔镜下脾切除不同阶段的手术效果, 探讨其学习曲线问题。**方法:** 回顾性分析中南大学湘雅二医院普通外科近2年内由同一手术团队完成的40例腹腔镜下脾切除术。按施行手术的时间次序分为4组(I, II, III, IV), 每组10例。比较各组手术时间、术中出血量、中转开腹率、中转手助腹腔镜脾切除率、术后住院时间、术后恢复流质时间、术中术后并发症情况以及手术频数, 分析不同阶段的手术效果。**结果:** 4组患者在年龄、性别方面差别无统计学意义($P>0.05$)。III, IV组手术时间、术中出血量和术后住院时间明显少于I, II组($P<0.05$)。各组术后恢复流质时间依次缩短但差异无明显统计学意义($P>0.05$)。4组在中转率和术后并发症方面差异无统计学意义($P>0.05$)。I~IV组手术频数从1.25台/月增加到2.5台/月。**结论:** 有丰富开腹脾切除经验和一定腹腔镜基础的普外科医师, 腹腔镜下脾切除术的学习曲线约为20例, 手术频数为1.33台/月。

关键词: 腹腔镜手术 脾切除术 学习曲线

Analysis of learning curve of laparoscopic splenectomy

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Abstract:

Objective: To evaluate the surgical outcomes of laparoscopic splenectomy and to investigate the learning curve of laparoscopic splenectomy. **Methods:** Forty cases of laparoscopic splenectomy (performed by W.Y. between September 2008 and August 2010) in our general surgery department were reviewed, and the cases were divided equally into 4 groups (group I, II, III, IV) according the time sequence of the operations. The operating time, blood loss, conversion to open surgery, conversion to hand-assisted laparoscopic splenectomy, postoperative hospital stay, postoperative liquid diet recovery time, intra- and post-operative complications and the operative frequency were compared. **Results:** There were no statistical differences among the groups in age and gender ($P>0.05$). The operating time, blood loss and postoperative hospital stay of groups III and IV were significantly less than those of groups I and II ($P<0.05$). Postoperative liquid diet recovery time appear to show a gradual shortening trend from Group I to Group IV, but the differences were not at standard statistical thresholds ($P>0.05$). Frequency of conversion to open surgery, of conversion to hand-assisted laparoscopic splenectomy, of complications among the four groups were also not statistically different ($P>0.05$). The operative frequency of group I-IV increased from 1.25/month to 2.5/month. **Conclusion:** The learning curve of laparoscopic splenectomy for surgeon who was experienced in open splenectomy and laparoscope cholecystectomy is approximately 20 cases, and the operative frequency is about 1.33/month.

Keywords: laparoscopy splenectomy learning curve

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