

BP OP 2-7**Laparoscopic total pancreatectomy in benign and borderline malignant tumor of the pancreas: Perioperative Outcomes and Quality of Life**

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Introduction : Laparoscopic pancreas surgery has been practiced with development of the surgical technique and the laparoscopic instrument. Also total pancreaticoduodenectomy has been applied for benign and borderline pancreatic disease.

Methods : From 2005 to 2018, 19 consecutive patients underwent laparoscopic total pancreatectomy (Lap TP) and 32 patients underwent open total pancreaticoduodenectomy (Open TP) in Yonsei University Severance Hospital. Among them we selected the patient who diagnosed benign and borderline pancreatic tumor and renal cell carcinoma metastases to pancreas. The results showed 19 patients underwent laparoscopic total pancreatectomy and 10 patients underwent open total pancreatectomy. We compared the perioperative outcomes and quality of life (QoL) between Lap TP and Open TP. But, we did not conduct a questionnaire on patients who underwent total pancreatectomy for less than 1 year.

Results : The mean age of Lap. TP was 66.9 ± 10.1 and the mean age of open TP was 52.0 ± 13.9 . And the mean BMI of Lap TP was 22.7 ± 2.5 and Open was 28.9 ± 12.8 . The operation time of Lap TP was 503.1 ± 86.9 and open TP was 485.1 ± 215.9 . And the EBL of Lap TP was 488.9 ± 191.1 and open TP was 1318.8 ± 1140.5 . The length of hospital in Lap TP was 15.1 ± 4.5 and open TP was 23.5 ± 12.5 . The QoL between Lap TP and open TP was not statistically significant different.

Conclusions : Lapa TP is feasible and safe in case of benign and borderline pancreatic tumor, even if case with metastatic renal cell carcinoma. And Lap TP procedure could be applied to benign and borderline pancreatic tumor and metastatic RCC to pancreas.

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