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# **Laparoscopic versus open distal pancreatectomy for pancreatic ductal adenocarcinoma: a single-center experience**

**Key words:** Laparoscopic distal pancreatectomy; Distal pancreatectomy; Pancreatic neoplasm; Pancreatic fistula; Cinical outcome

# ***Research Summary***

## **Aim of this study:**

To compare complications and oncologic outcomes of patients undergoing laparoscopic distal pancreatectomy (LDP) and open distal pancreatectomy (ODP) at a single center.

## **Main findings of this study:**

- Complications including pancreatic fistula were similar between the LDP group and ODP group.
- The oncologic outcome including number of lymph nodes harvested, incidence of positive margins and the mean overall survival time was similar between the LDP group and ODP group.

# ***Innovation points of our LDP procedure***

- A slow-compression of pancreas tissue with the GIA stapler was used in the LDP procedure.
- A radical antegrade modular pancreateosplenectomy (RAMPS) was used in the LDP procedure.

# ***Conclusions***

- A slow-compression of pancreas tissue with the GIA stapler is effective in preventing postoperative pancreatic fistula in LDP procedure.
- Laparoscopic radical antegrade modular pancreatectomy contributed to oncological clearance.