

# Minimally Invasive Pancreaticoduodenectomy in two distinct subsets of frail patients:

a. 80-year-old and older patients and b. Obese patients.

A multicenter retrospective study by the Clinical Robotic Surgery Association (CRSA)

**BACKGROUND:** Two subsets of frail patients are steadily increasing in numbers in the last decade: 80 years old and older and obese patients. Interest is growing about the potential benefits of minimally invasive (robotic or laparoscopic) pancreaticoduodenectomy (RPD, LPD) compared to open pancreaticoduodenectomy (OPD) for these subgroups.

**PARTICIPANTS:** Two distinct samples: a.  $\geq 80$  years old or older; and b. Patients with BMI  $\geq 30$ . Both subsets receiving open, laparoscopic or robotic PD for any indication. Participating centers, for both studies, must have performed at least 50 OPDs and a minimum of 10 RPDs.

**DATA COLLECTION:** Demographic data, medical and surgical history, pre- and intraoperative details, post-operative course and pathological data. The main outcomes will include post-operative morbidity and mortality, operative time, blood loss, POPF, and length of hospital stay.

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**OBJECTIVE:** To evaluate intraoperative and postoperative outcomes between RPD, LPD and OPD in frail patients divided into two distinct studies: a. Patients aged  $\geq 80$  years or older and b. BMI  $\geq 30$ .

**METHODS:** Multicenter retrospective study based on a single database of all consecutive open, laparoscopic or robotic pancreatoduodenectomies performed between January 2012 and June 2023.

## TIMELINE:

- MAY 1<sup>st</sup> 2024 DATABASE COMPLETION
- JULY 1<sup>st</sup> 2024 STATISTICAL ANALYSIS
- OCTOBER 1<sup>st</sup> 2024, MANUSCRIPT SUBMISSION



PANCREATIC  
RESECTIONS IN  
FRAIL PATIENTS