







BMI AS A RISK FACTOR FOR POPF FOLLOWING **CLASSICAL PANCREATICODUODENECTOMY**

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CONCLUSION:

- Obesity is not a risk factor for Pancreaticoduodenectomy (PD) specific complications in our study
- Obesity shows no significant effect on intraoperative difficulty
- Validated risk factors for POPF (fatty pancreas, small MPD diameter)
- Limitations: A higher sample size is required to prove malnutrition related postoperative morbidity

INTRODUCTION:

- POPF has an incidence of 19.2% following PD with a clinically relevant pancreatic fistula rate (CR-POPF) of 11.1%
- Obesity increases intraoperative difficulty and postoperative complications following GI surgery
- The aim is to study the effect of obesity on POPF and other procedure specific postoperative complications
- To identify risk factors for **POPF**

MATERIALS AND METHODS:

- Ambispective observational study with 106 patients
- From 2018 to 2023
- 106 patients categorized based on BMI (WHO classification for Asian populations)

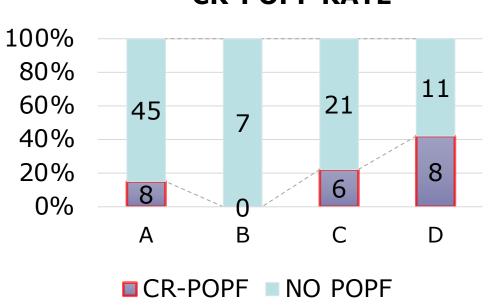
RESULTS:

- Obesity did not show significant intraoperative difficulty (blood loss [p-0.083]; duration of surgery [p-0.115])
- The rate of postoperative pancreatic fistula was 34.9%; CR-POPF of 20.7%
- Obesity did not influence the development of POPF in our study(p-0.268)
- Risk factors for POPF: A soft pancreas (p-0.001), smaller MPD diameter (p-0.021), and a high pancreatic fistula *risk score* (p-0.0001)
- Obesity has no influence on LOS or 30-day mortality in our study (p-0.549)

4- TIER CLASSIFICATION PROPOSED BY ISGPS

TYPES	TEXTURE OF PANCREAS	MPD DIAMETER
TYPE A	NON SOFT	>3MM
TYPE B	NON SOFT	<3MM
TYPE C	SOFT	>3MM
TYPE D	SOFT	<3MM

CR-POPF RATE

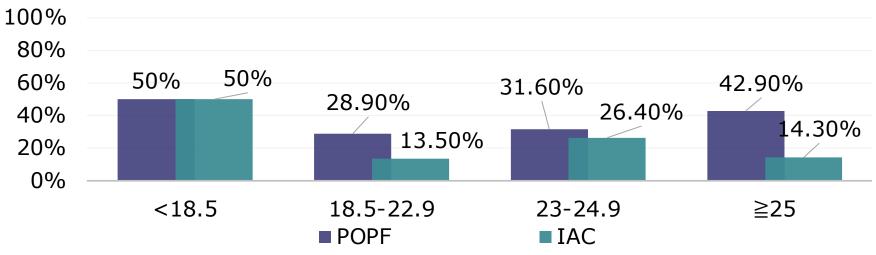


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EFFECT OF BMI ON PROCEDURE SPECIFIC COMPLICATIONS							
Variables	<18.5	18.5-	23-24.9	>25	Incidence	p-value	
		22.9					
DGE	5	14	8	6	31.1%	0.637	
PPH	3	2	2	1	7.54%	0.147	
SSI	6	12	7	5	28.3%	0.384	
IACs	7	7	5	3	20.7%	0.020	
BILE LEAK	2	2	1	1	5.66%	0.511	

INFLUENCE OF BMI ON POPF AND IAC



ВМІ	NO POPF	POPF	POPF RATE
<18.5	7	7	50%
18.5- 22.9	37	15	28.84%
23- 24.9	13	6	31.57%
>25	12	9	42.85

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