

Supplemental Online Content

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eTable 1. Postoperative Complications among as-treat analysis

eTable 2. Information of participating surgeons

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This supplemental material has been provided by the authors to give readers additional information about their work.

eTable 1. Postoperative Complications among as-treat analysis

Characteristic	As treat analysis (n=200)			
	LPD Group (n=100)	OPD Group (n=100)	Risk difference (95% CI)	p value
Overall complications	46 (46.0%)	54 (54.0%)	-8.0% (-0.2%~5.8%)	0.26
Clavien-Dindo classification ≥III	17 (17.0%)	23 (23.0%)	-6.0% (-17.1%~5.1%)	0.29
CCI score	0.0 (0.0-22.6)	8.7 (0.0-26.2)	-0.6(-5.0~3.8)	0.79#
Postoperative pancreatic fistula	23 (23.0%)	26 (26.0%)	-3.0% (-14.9%~8.9%)	0.62
Grade B/C	8 (8.0%)	10 (10.0%)	-2.0% (-9.9%~5.9%)	0.62
Postoperative bile leakage	14 (14.0%)	13 (13.0%)	1.0% (-8.5%~10.5%)	0.84
Grade B/C	4 (4.0%)	5 (5.0%)	-1.0% (-6.7%~4.7%)	0.73
Delayed gastric emptying	26 (26.0%)	31 (31.0%)	-5.0% (-17.5%~7.5%)	0.43
Grade B/C	9 (9.0%)	10 (10.0%)	-1.0% (-9.1%~7.1%)	0.81
Postpancreatectomy hemorrhage	7 (7.0%)	5 (5.0%)	2.0% (-4.6%~8.6)	0.55
Grade B/C	7 (7.0%)	5 (5.0%)	2.0% (-4.6%~8.6%)	0.55
Intra-abdominal infection	16 (16.0%)	15 (15.0%)	1.0(-9.0%~11.0%)	0.85
Reoperation	3 (3.0%)	2 (2.0%)	1.0% (-3.3%~5.3%)	0.50*
Hospital readmission (90 days)	0 (0.0%)	2 (2.0%)	-2.0% (-4.7%~0.7%)	0.16*
Mortality (within 30 days)	1 (1.0%)	0 (0.0%)	1.0% (-1.0%~3.0%)	>0.99*
Mortality (within 90 days)	2 (2.0%)	0 (0.0%)	2.0% (-0.7%~4.7%)	0.50*

CCI, comprehensive complication index; LPD, laparoscopic pancreatoduodenectomy; OPD, open pancreatoduodenectomy; ITT, intention-to-treat; PP, per-protocol. Data are shown as n (%), or median (interquartile range);

Wilcoxon rank-sum test.

* Fisher's exact test.

† The mean difference and 95%CI.

eTable 2. Information of participating surgeons

Participating surgeon	Participating center	Participating in TJDBPS01	Number of LPDs performed by the surgeon before Sept. 2019
Renyi Qin	Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology	Yes	534
Xianjun Yu	Fudan University Shanghai Cancer Center	No	212
Xiaobing Huang	The Second Affiliated Hospital of Army Medical University	Yes	256
Jun Liu	Shandong Provincial Hospital Affiliated to Shandong First Medical University	Yes	454
Xuemin Chen	The Third Affiliated Hospital of Soochow University	Yes	321
Wenxing Zhao	Affiliated Hospital of Xuzhou Medical University	Yes	423
Jingdong Li	Affiliated Hospital of North Sichuan Medical College	Yes	133
Dewei Li	The First Affiliated Hospital of Chongqing Medical University	Yes	274
Jianhua Liu	The Second Hospital of Hebei Medical University	Yes	579
Yahui Liu	The First Hospital of Jilin University	Yes	482

eTable 3. Outcomes of adjuvant therapy (mITT and PP Analysis)

Characteristics	mITT (n=200)			PP (n=188)		
	LPD Group (n=100)	OPD Group (n=100)	p value	LPD Group (n=94)	OPD Group (n=94)	p value
Adjuvant therapy	82(82.0%)	82(82.0%)	>0.99	78(82.1%)	81(82.7%)	0.92
Time to adjuvant therapy (days)	41.5 (35.0-53.0)	43.0 (32.0-57.0)	0.36	40.5(34.0~51.0)	43.0(32.0~57.0)	0.34