

TABLES

	Variable	Subtype	Hazard ratio	p-value
Multivariate	Resection type*	Pancreatic resection with venous resection	1.05	0.488
	Procedure type#	Total pancreatectomy	1.17	0.119
		Distal pancreatectomy	0.94	0.471
	Demographic	Age	1.01	6.75x10⁻⁴
		Female gender	0.88	0.025
		Charlson comorbidity index	1.07	1.62x10⁻⁶
	Treatment related	Preoperative Chemotherapy	0.90	0.352
		Postoperative Chemotherapy	0.67	2.27x10⁻⁸
	Tumor histology**	T2 tumor	1.89	3.19x10⁻⁴
		T3 tumor	2.57	1.69x10⁻⁸
		T4 tumor	2.10	0.001
		N1 tumor	1.88	1.56x10 ⁻¹²
		N2 tumor	2.04	2.00x10⁻¹⁶
	Resection margins	R1 resection\$	1.78	0.012
		R2 resection\$	1.30	0.204
		Superior Mesenteric Vein Resection Margin in mm	0.97	9.36x10⁻⁸

Supplementary Table 1: Results of the multivariate Cox proportional Hazard ratio model on the imputed dataset.

*Compared with resections without venous resection

#Compared with pancreaticoduodenectomy

**Compared with T1 stage (T stages) and N0 (N stages)

\$Compared with R0 resection

FIGURES

Supplementary Figure 1: Kaplan-Meier survival curves for patients undergoing surgical exploration only (n=709), pancreatic resection with venous resection (n=423) and pancreatic resection without venous resection (n=1758), sub stratified on pathology N stage
Log-rank test indicated a significant difference between groups ($p=2 \times 10^{-16}$)

Supplementary Figure 2: Kaplan-Meier survival curves for patients undergoing surgical exploration only (n=709), pancreatic resection with venous resection (n=423) and pancreatic resection without venous resection (n=1758), sub stratified on tumor distance to the superior mesenteric / portal vein.
Log-rank test indicated a significant difference between groups ($p=5 \times 10^{-6}$)

Supplementary Figure 3: Kaplan-Meier survival curves for patients undergoing surgical exploration only (n=709), pancreatic resection with venous resection (n=423) and pancreatic resection without venous resection (n=1758), sub stratified on adjuvant chemotherapy
Log-rank test indicated a significant difference between groups ($p=2 \times 10^{-9}$)





