

AB062. P034. Prior cholecystectomy and the survival of resected pancreatic cancer: a single-center retrospective cohort in Chinese population

Lingdi Yin, Xinchun Liu, Tongtai Liu, Yunpeng Peng, Kai Zhang, Wentao Gao, Junli Wu, Kuirong Jiang, Jishu Wei, Yi Miao

The First Affiliated Hospital of Nanjing Medical University, Nanjing 210029, China

Background: Cholecystectomy is carried out as one of the most extensive abdominal surgery. Patients with a long-term history of cholecystectomy may have an increased risk of pancreatic cancer. However, it's uncertain whether prior cholecystectomy is associated with the outcome of patients with pancreatic cancer.

Methods: Retrospective study comprising 390 consecutive patients with pathological diagnosis of pancreatic adenocarcinoma in Pancreas Center of the First Affiliated Hospital of Nanjing Medical University (January 2010 to December 2014) was conducted. Analyses were carried out

to assess the association between clinical characteristics and prior cholecystectomy on overall survival.

Results: A total of 31 patients (7.9%) had prior cholecystectomies. Univariate analysis showed that differentiation degree ($P<0.05$), tumor size ($P=0.014$), perineural invasion ($P=0.008$), vascular invasion ($P<0.05$), lymphatic metastasis ($P<0.05$), TNM stage ($P<0.05$), adjuvant chemotherapy ($P<0.05$) and tumor location ($P=0.011$) were associated with overall survival while prior cholecystectomy showed no significant value of prognosis ($P=0.510$). Multivariate analysis revealed that prior cholecystectomy was not an independent prognostic factor ($P=0.266$) for resected pancreatic cancer while vascular invasion ($P<0.05$), differentiation degree ($P<0.05$) and adjuvant chemotherapy ($P<0.05$) were significantly associated with the outcome.

Conclusions: Prior cholecystectomy may not be an independent prognostic factor for pancreatic cancer, although patients with prior cholecystectomy seem to have worse outcome.

doi: 10.21037/apc.2018.AB062

Cite this abstract as: Yin L, Liu X, Liu T, Peng Y, Zhang K, Gao W, Wu J, Jiang K, Wei J, Miao Y. Prior cholecystectomy and the survival of resected pancreatic cancer: a single-center retrospective cohort in Chinese population. *Ann Pancreat Cancer* 2018;1:AB062. doi: 10.21037/apc.2018.AB062