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Actual Situation for Complications of Pancreatoduodenectomy

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Introduction : Complications of pancreaticoduodenectomy (PD) are of great concern because the morbidity of PD remains relatively high. This study analyzed the short-term surgical outcomes of PDs performed in a single institution and investigated the risk factors of complications following PD.

Methods : This study reviewed a prospective clinical database of 222 patients who underwent PD between 2013 and 2017. We divided the patients into (1) 159 patients with no complications or complications of Clavien–Dindo grade I or II and (2) 63 patients with complications of grades III to V. We analyzed the risk factors for major complications.

Results : After PD, 112 patients (50.5%) had at least one complication and 63 patients (28.4%) had a major complication. Two patients (0.9%) died of sepsis postoperatively. Old age, male sex, intraoperative blood loss, and a soft pancreas were significantly associated with the incidence of major complications.

Conclusions : The morbidity of pancreaticoduodenectomy was relatively high in our series. Old age, male sex, intraoperative blood loss, and a soft pancreas were risks factors for major complications following PD. These might be prevented by minimizing blood loss during the operation.

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