



**E68** 

## Purely Robotic Single Plus One Port Pancreaticoduodenectomy : Right Side Approach

## Jin Hong LIM\*1

<sup>1</sup>HBP Surgery, Gangnam Severance Hospital, REPUBLIC OF KOREA

**Background** : Pylous preserving pancreaticoduodenectomy means en bloc resection of duodenum, common bile duct, and pancreas head. Since robotic single site platform was introduced in 2010, this system has been used various departments, however because of complexity of procedure, there was not many cases about pancreatic surgery, so far. Recently, we experienced a case that was performed pancreaticoduodenectomy using purely robotic single site platform without laparoscopic procedure. Here, we present the experience.

**Methods** : Sixty-two-year-old female patient presented with jaundice. She was found to have periampullary mass in duodenum and Common bile duct. January 2021, robotic pancreaticoduodenectomy was performed using the Da Vinci Xi single-site© surgical platform (DVSSP) and additional one port. Additional robotic 12mm-port was placed left side of patient and 3rd arm was used this site. Resected specimen was delivered through umbilicus and drains were inserted through additional port site.

**Results** : The operation was successfully performed using purely robotic system. The operation time was 490 minutes and perioperative blood loss was 100ml. The pathology of tumor was revealed ampulla of vater adenocarcinoma, T1aN0. The patient discharged on the 11th postoperative day without major complications. There was no specific event during 1 months after operation.

**Conclusions** : Robotic reduced port pancreaticodudenectomy is safe and feasible with regard to short-term outcomes. This technique could expand the surgical boundary of robotic single site platform. However, it can be performed selective case and further studies on more cases and long-term outcomes.

Corresponding Author : Jin Hong LIM (doctorjin@yuhs.ac)