

STANDARDIZED ROBOTIC PANCREATICODUODENECTOMY TECHNIQUES IN CHINESE PEOPLE'S LIBERATION ARMY GENERAL HOSPITAL(PLAGH)

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Background : Robotic pancreaticoduodenectomy(RPD) is a complex procedure limited to specialized centers.Over the years,more than 2000 RPD have been performed in Chinese PLA General Hospital,leading to continuous standardization and refinement of techniques.

Methods : An stepwise protocol was established and standardized, emphasizing innovations such as the 'port-in-port' trocar placement, the 'uncinate-first' dissection approach,and advanced reconstruction techniques,including the "301 techniques" for pancreatojejunostomy and the 'L-port' approach for gastrojejunostomy. A case example of a 51-year-old female diagnosed with ampullary tumour will be presented to illustrate the practical application of these techniques .

Results : The operative time for the case was 235 minutes , with a blood loss of 30 mls.Patient recovered uneventfully and was discharged 8 days after surgery .Final pathology revealed a moderately to poorly differentiated ampullary adenocarcinoma with perineural invasion,0/19 lymph nodes.

Conclusions : The experience of over 2000 robotic PD has enabled the development of a standardized approach to RPD, improving safety, efficiency and reproducibility.The integration of the 'port-in-port' 'uncinate first',"301 techniques' and 'L-port" methods establishes a framework for expanding RPD's adoption.The presented case video highlights these advancements in practice.

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