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Laparoscopic resection of schwannoma in the pancreas

Yu Ni LEE, Woo Young KIM*

Department of General surgery, Presbyterian Medical Center, Korea

Introduction: Pancreatic schwannomas are very rare neoplasm that arise from Schwann cells. They can be misdiagnosed as another pancreatic tumor. Although they are rare, they must be considered during the differential diagnoses of cystic pancreatic masses. We experienced a pancreatic schwannoma case.

Methods: A 60-year-old female with back pain was transferred to our hospital. CT showed a homogenous low density mass containing solid and cystic portion with a smooth margin with a clear border of 3.5×4 cm size in the pancreas body.

Results: Laparoscopic pancreatic tumor resection was performed. The tumor was histologically diagnosed as schwannoma. Immunohistochemically, the tumor was positive for S-100 protein and negative for C-kit, CD-34, smooth muscle actin.

Conclusions: Pancreatic schwannoma can be adequately treated with laparoscopic enucleation when suspected during exploration.

Corresponding Author.: Woo Young KIM (wykim104@naver.com)