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Solid pseudopapillary neoplasm of the pancreas in a fourteen-year-old: A case report

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Abstract

Solid pseudopapillary neoplasm of the pancreas is a rare but disparate neoplasm previously thought of as a non-functioning islet cell carcinoma comprising about 0.13 to 2.7% of all pancreatic tumours, primarily affecting women aged twenty to thirty. Presenting features are non-specific. Its natural course is not yet fully established due to the limited studies and the indolent course of these tumours. Our case is that of a fourteen-year-old female who was admitted due to chronic abdominal pain for two months.

Ultrasonography and computed tomography showed a well-circumscribed mixed-density cystic mass within the pancreatic caput and neck. She underwent pancreaticoduodenectomy where reconstruction was done by doing a pancreatojejunostomy, cholecystojejunostomy and pyloric-sparing gastrojejunostomy. Post-operative course was unremarkable with a Clavein-Dindo Classification grade of me. She followed up four months after the procedure and was doing well. No recurrence of tumour was noted on repeat ultrasound and tomography. Histopathology report confirmed the diagnosis of solid pseudopapillary neoplasm.

Solid pseudopapillary neoplasm of the pancreas is a rare neoplasm with an excellent long-term prognosis after surgical resection. A high index of suspicion is warranted in any patient presenting with abdominal pain non-responsive to pain medications especially in females under 35 years of age. Correct preoperative diagnosis of the tumour is crucial to minimize the range of surgical ablation compared to that required for pancreatic malignancy. Surgical resection is curative with more than 95% and 100% 5-year and 10-year survival rate, respectively.

Biography:

Vivien Marie P. Abitong has completed his Doctor of Medicine degree at the age of 25 years from the University of Northern Philippines in Vigan City, Ilocos Sur, Philippines. She is currently a 3rd year surgical resident in Ilocos Training and Regional Medical Center in San Fernando, La Union, Philippines.

Speaker Publications:

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