

Clinical Image

Pediatric Pancreatic Hemangioma

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1. Clinical Image

A 5 year old girl had a pancreatic mass. Resection reveals a circumscribed lobulated mass in pancreas with greyish brown color. The mass are composed of vascular structures resembling veins and capillary-sized vessels. Endothelial lining cells are flattened with bland looking nuclei. While the remaining pancreas tissue is unremarkable (Pic A, original magnification x40) (Pic B, original magnification x200). Immunohistochemical studies for CD34, CD31, ERG, and Factor VIII confirms endothelial vascular markers (Pic C, D, E, and F, original magnification x200). Pediatric pancreatic hemangioma is the rare benign cystic tumor (10 case reports in 2006 by Richard J England, et al.) and also uncommon in adult group (14 case reports in 2015 by Tao Lu and Cheng Yang). It is important to note the lesion and planning treatment with caution. Patients usually suffered from biliary obstructive symptoms, leading to final surgery. Some may present with organomegaly, abdominal discomfort and gastrointestinal bleeding.

