

Annular pancreas: the failure of side-to-side gastrojejunostomy anastomosis and the success of repair with roux-en-y gastrojejunostomy

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Abstrak

Annular pancreas is a rare congenital anomaly characterized by a partial or complete encirclement of ectopic pancreas tissue around the duodenum. We report a case of annular pancreas in a 15 day-old infant admitted to the hospital with complains of profuse and recurrent vomiting and loss of body weight. Non-contrast abdominal X-ray showed a dilated stomach with bubbles formation around the upper abdomen. An obstruction was noted and open laporotomy was performed. Upon laporotomy, pancreatic ring encircled the proximal duodenum causing an obstruction. Side-to-side gastrojejunostomy was performed and passage through the bypass was satisfactory. Four days after the operation, vomiting and bulging abdomen ensued. Contrast abdominal X-ray demonstrated filling defects at the level of obstruction and the anastomosis made. Anastomic stricture was suspected and thus was corrected using roux-en Y gastrojejunostomy procedure. Postoperative course in this patient was satisfactory and patient was discharged after 24 days of hospitalization.