Retroperitoneal enterogenuos cyst with colonic duplication cyst : Case report of 9-month-old infant.

Background

Enterogenous cyst is a rare congenital lesion presumably of endodermal derivation. Their development may be related to intrauterine volvulus with subsequent ischemia and infarction, persistence of intrauterine diverticulum, and incomplete vacuolisation of solid alimentary tract.

Completely isolated enterogenous cysts involving gastrointestinal tract are a rare variant of enteric duplication cysts. Coexistence of a enterogenous cyst with a classic enteric duplication cyst has been reported only twice earlier in the literature.

Case

An 9-month-old boy presented with chronic constipation and prenatal detected abdominal cystic mass. The preoperative ultrasonography and abdominal CT revealed retroperitoneal multilobulated and septated cystic lesion (4.5x7.4x8 cm) in right upper retroperitoneum and markedly distended ascending and transverse colon with internal fecal impaction. The preoperative impressions were; 1. cystic mass in retroperitoneum, maybe cystic lymphangioma, and 2. segmental bowel dilatation.

The explorlaparotomy revealed retroperitoneal cystic mass and duplication of ascending colon. The ascending colectomy and excision of retroperitoneal mass was done without any problem. After operation, the patient was recovered without any event. The pathologic reports were as followings: 1. terminal ileum and ascending colon: enteric duplication with heterotopic gastric tissue and partly communicated colonic wall. 2. appendix: lymphoid hyperplasia, 3. retroperitoneal mass: cystic lesion having esophagus, stomach and colonic wall, favoring congenital enterogenous cyst.