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Ruankha Bilommi

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Volvulus U-Shaped Transverse Colonic Duplication:

Report of A Case and Literature Review

Ruankha Bilommi,

Department of Pediatrics Surgery, YARSI Medical Faculty, Jakarta. Indonesia. Department of Pediatrics Surgery, Mitra Keluarga General Hospital, Jakarta. Indonesia. 2017

Abstract

Tubular duplication of the colon is very rare especially in adulthood, because it is frequently symptomatic earlier in newborn life, so only few cases are reported in literature. Several theories are proposed to explain the onset and the evolution of gut malformations as the aberrant lumen recanalization or the diverticular theory, the alteration of the lateral closure of the embryonal disk or finally the dorsal protrusion of the yolk-sac for herniation or adhesion to the ectoderm for an abnormality of the longitudinal line, but none clarifies the exact genesis of duplication. U Shaped transverse colonic duplication with volvulus has never been reported before and very rare in condition in gastrointestinal duplication.

Keywords: Colonic diseases, Colorectal duplication, Colonic duplication, Transverse duplication

INTRODUCTION

Duplications of gastrointestinal tract are infrequent in general population with an incidence of two or three cases per year in referred pediatric center. The most frequent localization is the ileum 30% and the ileocecal valve 30%, followed by the jejunum with 8%, the colon 6%-7% and the rectum 5%. Since 1950, less than 50 colonic duplication have been reported in literature[4] and they were more often discovered in the first two years of life (80%). If no associated malformation is present, they remain frequently hidden for several years until a complication occurs. The symptoms are unspecific and depend on the type of duplication and on the associated

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