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Intestinal obstruction in pregnancy with reverse rotation of the midgut: A case report

Xin-Yu Zhao, Xin Wang, Chun-Qiang Li, Qi Zhang, An-Qi He, Gang Liu

Abstract

BACKGROUND

Reverse rotation of the midgut is a rare type of intestinal malrotation. ²Volvulus of the right colon or entire midgut, stenosis of the transverse colon and obstruction of the duo-denojejunal junction are common complications of reserved rotation. In this paper, we report the first case of intestinal obstruction associated with reverse rotation in pregnancy.

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An intestinal obstruction can occur in pregnancy, though not often. **Malrotation** of the **gut leading to colonic volvulus** is an extremely rare case of intestinal obstruction during pregnancy. In less than 25% of pregnant women with intestinal obstruction, the **aetiology** can be traced to **colonic volvulus**.

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Reversed intestinal rotation has been reported and revered in the literature as the rarest of the **congenital midgut malrotation anomalies**. This anomaly predisposes the patient to an increased risk of developing and presenting with **bowel obstruction** as a result of **obstructed internal hernias** or/and **volvulus**.

Author: Atif Mahmoud Mahdi, Hasn Hifni, Has...

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Reverse intestinal rotation most commonly presents in infancy or early adulthood with **intestinal obstruction** and volvulus of nonfixed cecum and colonic **obstruction** by superior mesenteric vessels. Although **intestinal malrotation** in adulthood is an extremely uncommon cause of **bowel obstruction**, several **case** reports have been reported [5].

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To the best of our knowledge, this is the first report of **reversed rotation**, causing **large bowel obstruction** in a **pregnant woman**. **Intestinal obstruction in pregnancy** is uncommon, but when unrecognized in a timely fashion, it is associated with significant maternal and **fetal mortality**. Here, we