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Adenocarcinoma arising from a gastric duplication cyst: A case report and literature review

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Introduction: Alimentary tract cystic duplication is a rare congenital anomaly predominantly affecting females, and diagnosed mostly in the early years of life. The most common location is the ileum while the least common site is the stomach. Although very rare, carcinoma can arise from a gastric duplication cyst.

Case report: We present here a case of a 51-year-old man presenting with a 2-day history of melena. Gastroscopy showed fresh blood, as well as a mass lesion and cavity at the fundus. Biopsies of the mass edge reported the occurrence of moderately differentiated adenocarcinoma and mild chronic gastritis. Computed tomography imaging showed a 5.1×6.5 cm cystic mass in the gastric greater curvature. The patient received six cycles of epirubicin, capecitabine, and

oxaliplatin, followed by uncomplicated total gastrectomy.

Literature review: Data from all 11 reports of similar cases were reviewed and pooled. The result shows male predominance and variable symptoms, as well as a wide age range (25–76 years) at presentation. The cysts are commonly located along the greater curvature and are unilocular. Surgery was the treatment in most cases.

Conclusion: Alimentary tract cystic duplication is rare and may predispose to malignancy. The diagnosis should be considered when a cystic lesion is found adjoining the gastric wall. Early diagnosis and prompt surgical intervention is important for the best outcome.

Biography

Maheeba Abdulla is Consultant Gastroenterologist and Hepatologist at Salmaniya Medical Complex, Bahrain. After gaining her medical degree, she completed her residency and subsequently undertook an international fellowship in gastroenterology and Hepatology at King Faisal Specialist Hospital in Riyadh, Saudi Arabia followed by two fellowships in liver transplantation and advanced therapeutic endoscopy at King's College London and Queen Alexandra Hospital, Portsmouth, both in the UK. She has published several original articles and presented posters at international meetings. At present her research interests focus on hepatitis C virus infection, Hepatitis B virus infection and inflammatory bowel disease.

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