Giant Brunner’s Gland Adenoma of the Duodenal Bulb Presenting with Ampullary and Duodenal Obstruction Mimicking Pancreatic Malignancy

Vishal Gupta¹, Parul Gupta², Ajay Jain³

¹Department of Surgical Gastroenterology, Chhatrapati Shahuji Maharaj Medical University, and ²Department of Pathology, Era's Lucknow Medical College; Lucknow, Uttar Pradesh, India. ³Department of Gastroenterology, Choithram Hospital and Research Center, Indore, Madhya Pradesh, India

ABSTRACT

Context Brunner’s gland adenoma is a rare benign duodenal neoplasm. Usually they present with luminal obstruction and gastrointestinal bleeding. Rarely, they mimic a pancreatic malignancy and present with obstructive jaundice. Case report A 65-year-old female presented with 2-month history of abdominal pain, early satiety and retrosternal burning pain. Liver function tests showed elevated enzymes with normal bilirubin. Imaging studies revealed a large mass in relation to the uncinate process of the pancreas and distal duodenum along with dilated common bile duct and main pancreatic duct. Initial endoscopic evaluation failed to make a correct diagnosis. Repeat endoscopic evaluation combined with endoscopic sonography, however, revealed a large polypoidal mass arising from the duodenal bulb. Patient underwent transduodenal polypectomy. Diagnosis of Brunner’s gland adenoma was made on histopathological examination. Conclusion Giant Brunner’s adenoma may have unusual presentations. It may present with features of ampullary obstruction mimicking periampullary or pancreatic malignancies. Extensive preoperative evaluation is required to reach a correct diagnosis to avoid more extensive surgery.