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Case report and literature review

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**Gall stone ileus: Unfamiliar cause of bowel obstruction. Case report and literature review.**

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**Highlights**

- The article represents symptomatic gallstone ileus. Forgotten cause of bowel occlusion.
- To highlight the knowledge of this entity and familiarity of its clinical manifestation and radiological findings can lead to early diagnosis and better outcome
- To emphasize the importance of choice of surgical option according to patient's medical status.

**Abstract**

**Introduction:** Gallstone ileus is a rare sequela of cholelithiasis. The pathology occurs as a result of bilioenteric fistula due to erosion by the offending gallbladder stone. It is most commonly encountered in elderly females and CT imaging is diagnostic in the majority of cases. Surgical intervention aims to promptly relieve the obstruction by removing the gallstone and dealing with the fistula. Morbidity and mortality are usually high since it usually occurs in elderly patients.

**Presentation of case:** An 88-year-old lady with multiple chronic medical problems and no history of biliary manifestation presented with acute small bowel obstruction. Abdominal CT imaging revealed a bilioenteric fistula and an impacted gallstone in the jejunum causing occlusion. Laparotomy was performed and the stone was removed via enterolithotomy. Manipulation of the cholecystoduodenal fistula was not attempted due to severe inflammatory adhesions. The patient had uneventful postoperative course and remained symptom free on one year follow-up.

**Discussion and conclusion:** Management of gallstone ileus is mainly surgical. Delay in detection and treatment of gallstone ileus may result in significant morbidity and mortality. The choice of surgical option is influenced by the preoperative medical status of the patient. A literature review

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