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Video of the month

Minimally invasive approach for colonic gallstone ileus

Abordaje mínimamente invasivo de íleo biliar de colon

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Colon obstruction due to gallstone ileus is a rare situation as the most common site of obstruction is the small bowel.

A 72-year-old woman presented with cholelitiasis and bowel obstruction. CT scan demonstrated a gallstone impacted in the sigmoid colon as well as a cholecystocolonic fistula. Due to the unavailability of the endoscopy unit, endoscopy was ruled out, and the patient underwent urgent surgery. Laparoscopic cholecystectomy was postponed due to inflammation involving the omentum and colon. The gallstone was identified in the sigmoid colon, and colotomy on the taenia coli was performed to extract the gallstone (Fig. 1). The colon was sutured transversally with a 3.0 absorbable barbed suture (Video 1). The postoperative course was uneventful.

Minimally invasive approach is safe and provides benefits for patients.

CRediT authorship contribution statement

Eugenio Licardie: study designs, data acquisition, analysis and interpretation of results, manuscript preparation, critical revision and approval of the final version of the manuscript.

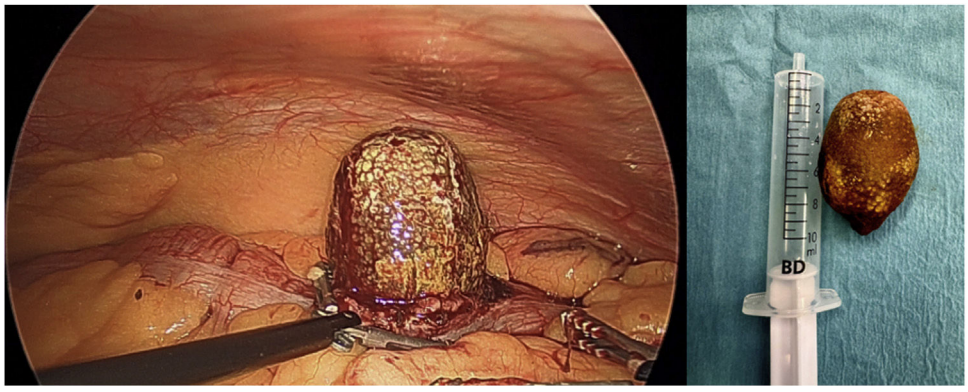

Figure 1 – Extracted gallstone.
Diagnosis: Gallstone ileus of the colon.

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Andrea Balla: study designs, data acquisition, analysis and interpretation of results, manuscript preparation, critical revision and approval of the final version of the manuscript.

José Antonio López-Ruiz: study designs, data acquisition, analysis and interpretation of results, manuscript preparation, critical revision and approval of the final version of the manuscript.

Salvador Morales-Conde: study designs, data acquisition, analysis and interpretation of results, manuscript preparation, critical revision and approval of the final version of the manuscript.

Ethics statement

Consent was obtained from the patient. No local ethics committee was needed.

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Data availability

Data sharing not applicable to this article as no datasets were generated or analysed during the current study.

Declaration of competing interest

Eugenio Licardie, Andrea Balla, José Antonio López-Ruiz, and Salvador Morales-Conde, declare that they have no conflict of interest.

Appendix A. Supplementary data

Supplementary material related to this article can be found, in the online version, at doi:https://doi.org/10.1016/j.ciresp.2024.09.003.