

Ileal J-Pouch Perforation: Case Report

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Abstract

A 34-year-old male patient who had undergone total colectomy and J-pouch ileanal anastomosis subsequent to diagnosis of familial adenomatous polyposis five years previously was admitted to the emergency room with complaints of severe abdominal pain of a four-day duration. Physical examination revealed widespread tenderness throughout the abdomen, especially in the lower quadrant. Abdominal ultrasonography revealed fluid between intestinal loops and computed tomography revealed free air and fluid in the abdomen. During laparotomy to expand the ileal J-pouch to approximately 12 cm in diameter, a 2-mm perforation was detected in the blind end of the ileal J-pouch. The perforation was repaired primarily and protective ileostomy was performed. During postoperative endoscopy, neither obstruction nor stasis was observed, but pouchitis was observed in the ileal J-pouch. The patient was postoperatively discharged on the 20th day and followed endoscopically. The endoscopic findings were normal in the sixth month postsurgery.

Key words: familial adenomatous polyposis, ileoanal pouch, intestinal perforation, J-pouch, pouchitis

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