Peutz-Jeghers syndrome (PJS) is a hereditary condition characterized by hamartomatous polyps throughout the gastrointestinal tract, typically in the small bowel and colon [1, 2]. PJS carries an increased cancer risk and requires lifelong surveillance in order to detect polyps that may cause both intussusception/obstruction and cancer [1, 2].

A “clean sweep” is a combined endoscopic and surgical procedure for the management of small-bowel polyps in PJS [3]. At laparotomy, the surgeon telescopes the endoscope over the small bowel with subsequent endoscopic/surgical polypectomy, minimizing the need for bowel resection and reducing the risk of short-gut syndrome [3].

This video describes the management of significant polyp burden in a 55-year-old man with Peutz-Jeghers syndrome using the combined surgical and endoscopic “clean sweep” technique. The procedure was converted to a surgical resection, but this revealed multiple polyps more proximally throughout the small bowel. To clear the remaining small-bowel polyps, a clean sweep was performed. A pediatric colonoscope was introduced orally and advanced distally to the ileal anastomosis by plicating the bowel over the scope (► Fig. 1). About 50 polypectomies were then performed using endoscopic mucosal resection (► Fig. 2).

At the 3-month follow-up, magnetic resonance enterography identified no high-risk polyps in the small bowel. The combination of endoscopy and surgery allowed effective management of the obstructing ileal polyp and overall polyp burden.

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Competing interests

None

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