

Case report: Laparoscopy-assisted urinary undiversion: Transforming an ileal conduit into an orthotopic continent neobladder

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Purpose: To describe the technique of laparoscopy-assisted undiversion of an ileal conduit into a continent orthotopic ileal neobladder performed on a patient with a previous radical cystoprostatectomy and ileal conduit. **Case Report:** A 57-year-old man presented with a prolapsed stoma and a history of a right radical nephroureterectomy for grade 3 ureteral transitional-cell carcinoma and a radical cystoprostatectomy and ileal conduit urinary diversion for in-situ bladder carcinoma, performed 12 and 8 years ago, respectively. After the ileal stoma was resected, five trocars were placed transperitoneally. Partial resection of the distal ileal conduit was performed, leaving in place the proximal segment with its left ureteroileal anastomosis. Flexible urethroscopy revealed a contracting external sphincter, and random urethral frozen-section biopsies ruled out tumor. A 45-cm segment of ileum was isolated and exteriorized through the stoma site, and an ileal neobladder was created extracorporally.