

COLONICS AS AN ALTERNATIVE TO ILEOSTOMY/COLECTOMY

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1: [Dis Colon Rectum](#). 2007 Jan;50(1):22-8.

Malone antegrade continent enema: an alternative to resection in severe defecation disorders.

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PURPOSE: This study was designed to evaluate patient self-reported outcome of the Malone antegrade continent enema at a single institution in patients suffering from severe defecatory disorders. **METHODS:** A total of 18 patients (15 females; median age, 31 (range, 12-63) years) underwent a Malone antegrade continent enema (August 1999 to September 2004). The Malone antegrade continent enema technique has been previously described; however, in this series emphasis was placed on method appendix tunneling. Patients' charts were reviewed and follow-up telephone interviews were conducted. Indications for Malone antegrade continent enema were chronic constipation (n = 12), intractable fecal incontinence (n = 5), or both (n = 1). The underlying pathology included neurogenic (n = 2), congenital (n = 4), postsurgery-related (n = 4), irritable bowel syndrome (n = 6), and megarectum (n = 2). The appendix (n = 17) or cecum (n = 1) was used as a conduit. **RESULTS:** The mean follow-up was 18.5 (range, 3-67) months. Fourteen patients (78 percent) still use the Malone antegrade continent enema routinely and report good functional outcome. Three patients (20 percent) required stoma creation as subsequent alternate treatment. A total of 10 patients experienced 12 complications: 3 perioperative (infections) and 9 postoperative Malone antegrade continent enema use/nonuse complications (4 stomal orifice strictures, 2 fecal impactions, 2 appendiceal perforations, and 1 irrigation catheter knot). No patient experienced leakage from the appendiceal stoma. During the follow-up interval, one patient underwent proctectomy for megarectum. No failures occurred in patients with congenital or neurogenic disorders. **CONCLUSIONS:** Malone antegrade continent enema is a reasonable option for the treatment of select patients with severe defecation disorders. Good functional patient self-reported outcome was achieved by 78 percent of patients. The social inconvenience of stoma leakage is avoided with appropriate surgical technique. Malone antegrade continent enema is one option that provides a less invasive surgical alternative than colectomy or ileostomy for severe defecation disorders.

PMID: 17115341 [PubMed - indexed for MEDLINE]