Mini-ACE® low-profile appendicostomy button

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Mini-ACE® low-profile appendicostomy button


Abstract

Purpose: Malone antegrade continence enemas (MACE) provide a conduit in which the patient can achieve improved continence, be clean of stool, and gain independence in maintaining bowel function. The Mini-ACE® is a low-profile balloon button that is used to facilitate administration of antegrade enemas. We sought to describe our practice and short-term outcomes.

Methods: We present our experience using the Mini-ACE® at Children’s Mercy – Kansas City from April 2019 to September 2020. Patient demographics, colorectal diagnoses, tube sizes, flush regimens, patient experience and outcomes were examined.

Results: Thirty patients were included; 18 (60%) were male. The average age at Mini-ACE® insertion was 9.3 years (SD +/- 5). The most common diagnoses were functional constipation (n=12), anorectal malformation (n=9) and Hirschsprung disease (n=3). Eighteen of 30 patients/families (60%) reported no post-operative problems. Six (20%) noted inadvertent tube dislodgement requiring replacement, but only one required replacement within one month of initial placement. No patients required operative revision.

Conclusion: While post-operative outcomes are limited, the Mini-ACE® appears to be a safe and low-profile alternative to other antegrade continence enema access devices. Further research is
needed directly comparing complications and patient satisfaction rates between different MACE devices and overall quality of life.