

Body Canal Dilation System

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Technology description

This body canal dilation system is a four-piece kit that includes a dilator of varying size, control rod, catheter, and syringe. This technology incorporates multiple innovative safety features for recognizing and measuring insertion depth, preventing intrauterine perforation, and controlling the rate at which the dilators are inserted. This system is intended for single-use to reduce the risk of cross-contamination while remaining cost effective.

Cervical dilation requires an instrument be inserted into the cervical canal. Current dilation tools provide limited control over dilation rate and insertion depth, which could result in unintended uterine perforation or cervical laceration. Unlike existing technologies, this four-piece single-use Cervical Dilation System comprises multiple features that support safer entry into the intrauterine cavity for intrauterine procedures.

Application area

Gynecology

Advantages

- Increased control of dilation process and rate - Improved patient comfort - Applicability to any procedure that requires access to a body cavity - Protection against uterine perforation, cervical laceration and soft tissue injury - Ability to reasonably modify the system so as to not limit users

Institution

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