

Device for sealing a cervical canal (*Nady E. Nady, RWJMS 05-71*) Medical Device

Background

Procedures that require entry into the uterus are well known. Two such procedures are diagnostic and surgical hysteroscopy. Diagnostic hysteroscopy is a procedure used to help diagnose abnormal uterine bleeding, infertility, uterine and cervical cancer, location of intrauterine devices, and fetal exam. Surgical hysteroscopy is a procedure used to remove polyps, cut adhesions, and other surgical procedures.

Description of the Technology

This US Patent Application describes a device useful in forming a seal between a hysteroscope instrument and a cervical canal during diagnostic or surgical procedures known as hysteroscopy. The device grasps the exterior of the cervical canal pressing the cervical canal inwardly toward the outer surface of the hysteroscope instrument thus forming a seal between the outer surface of the hysteroscope instrument and the cervical canal, thereby preventing fluid or gas (used in the procedure) from escaping.

Advantages

Because the inside of the uterus is a potential cavity, like a collapsed air dome, it is necessary to fill (distend) the uterus with either a fluid or a gas in order to visualize the interior of the uterus during both diagnostic and surgical hysteroscopy. This invention effectively prevents backflow of fluid or gas used to pressurize the uterus during either diagnostic or surgical hysteroscopy and permits the volume of either fluid or gas used in the procedure to be determined quantitatively.

Applications

This invention has application to both diagnostic and surgical hysteroscopy.

Patent Status

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Contact Information

Peter Golikov, MS, MBA

Director, Ventures and Licensing

University of Medicine and Dentistry of New Jersey

335 George Street, New Brunswick, NJ 08901

Direct Phone: (732)-235-9355 Office Phone: (732)-235-9350

Fax: (732)-235-9358

golikope@umdnj.edu