Yale Tapered Applicator for Improved Intravaginal Brachytherapy

OCR Number: OCR 7116

Description:

A Novel Brachytherapy Applicator for Improved Quality of the Treatment of Endometrial Cancer

- There are an estimated 61,380 new cases of endometrial cancer every year, typically in post-menopausal women.
- Standard treatment of endometrial cancer after surgery requires the direct application of radiation internally (known as “intravaginal brachytherapy”).
- Ideal radiation treatment occurs when the largest diameter of cylinder is used
- Current applicators of radiation therapy are cylindrical, uncomfortable, and limited at times by patient anatomy
- Patient comfort impacts treatment adherence, caregiver impression, and overall sense of well being.
- **IP status:** Provisional Patent Application No. 62/478,341

Two piece insertion minimizes trauma and stretching of the vaginal introitus

Tapered applicator maximizes cylinder diameter and provides optimal treatment dosimetry

Innovators: James Yu, M.D.; Amandeep Mahal

PI: James Yu

Licensing Contact: Lolahon Kadiri
lolahon.kadiri@yale.edu