

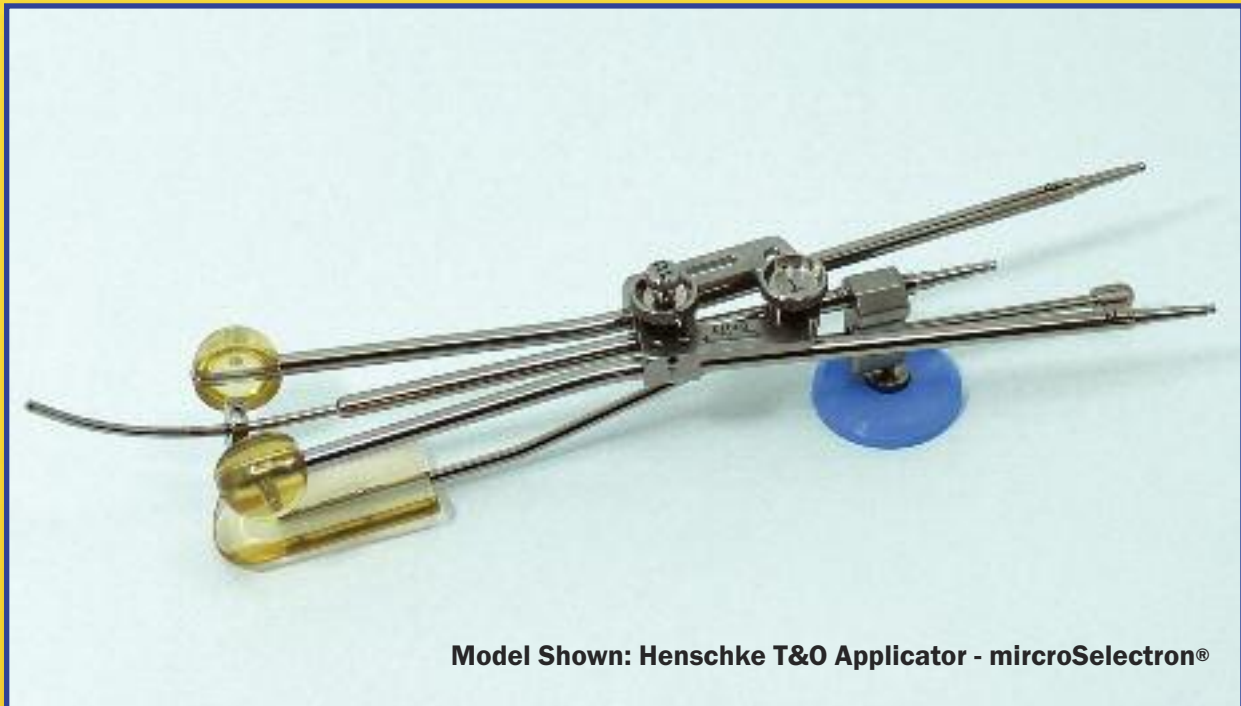
**Intracavitary HDR Brachytherapy**

# **CT Compatible Henschke T&O Applicator**

**Innovative Technology and Enhanced Clinical Advantages!**

**Facilitates CT and MRI based Brachytherapy Planning!**

**The New Henschke T&O Applicator is now Available with an Independent  
Tandem Locking Device and Adjustable Rectal Retractor.**



**Model Shown: Henschke T&O Applicator - microSelectron®**

# HENSCHKE T&O APPLICATOR SET

COMPATIBLE WITH ALL OF TODAY'S REMOTE AFTERLOADING SYSTEMS

VARISOURCE® • GAMMAMED® • MICROSELECTRON® • MULTISOURCE® AND OTHERS.

**Nucletron - microSelectron®**  
**Henschke T&O Cervix Applicator**



Catalog # 0826

**VARIAN**  
**GammaMed®**  
**VariSource®**  
CAT. # 0508

**NUCLETRON**  
**MicroSelectron®**  
CAT. # 0826

**IBt-BEBIG GROUP**  
**MultiSource®**  
CAT. # 0721

## DESCRIPTION

The CT compatible **HENSCHKE T&O APPLICATOR** follows the traditional design and concept of the original Henschke Cervix Applicator which includes a left and a right colpostat, a set of various curved tandems and a set of different size ovoids. A connecting bracket holds the three components together and allows for each of the components to be securely locked in place. Additionally, the applicator is now provided with an independent tandem locking device and an adjustable rectal retractor.

The new design of the connecting bracket allows for the tandem to be locked in place independently after the placement of the ovoids in the vaginal fornices. Once locked in place, the tandem is rigidly kept in place between the ovoids. Longitudinal and lateral positioning of the tandem remains unrestricted thus providing excellent flexibility and adaptation to anatomical conditions.

The Henschke T&O Cervix Applicator is constructed of Titanium approved for medical use and Polysulfone.

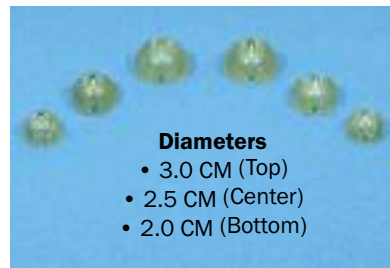
The Henschke T&O Applicator Set is provided in a sterilization cassette which can be AUTOCLAVED.

## CONNECTING BRACKET

The connecting bracket contains 3 knurled locking knobs; the small diameter knob locks the tandem in place while the other two larger knobs secure the spread between the ovoids. The rectal retractor has two knobs, one to secure it in place and the other to adjust the rectal retractor's paddle.



## HENSCHKE OVOIDS



### Diameters

- 3.0 CM (Top)
- 2.5 CM (Center)
- 2.0 CM (Bottom)

The set consists of three pairs of ovoids. Ovoids are "unshielded" and made of Polysulfone. The ovoids are easily interchangeable and slide onto the colpostats into a "geometrically controlled location". The Polysulfone Ovoids can be AUTOCLAVED.

## HENSCHKE CURVED TANDEMS

Straight, Med and Max Curved



## INTRAUTERINE TANDEMS

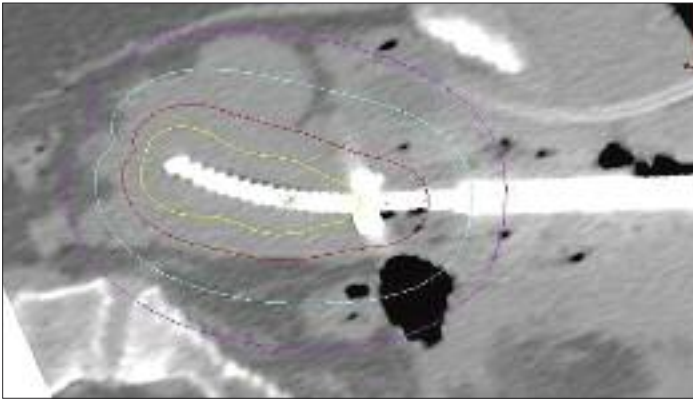
Three tandems are provided per set. Each having the exact same overall length whereas the intrauterine component is either straight, medium or maximum curved. Tandems are constructed of three major components; the 3mm diameter intrauterine tube, the 6mm outer tube and a connector compatible with the afterloader in use. All tandems are marked with a "T" to signify that the part is made of Titanium. The two curved intrauterine tubes are provided with a groove at the proximal end to indicate the angulation of the curved tandem within the uterus.

# CT HENSCHKE T&O APPLICATOR

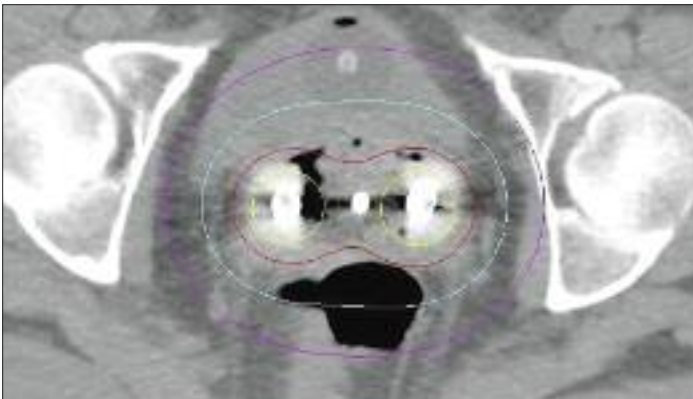
## CT Images

In-situ CT images demonstrate high quality, streak-free images for planning purposes.

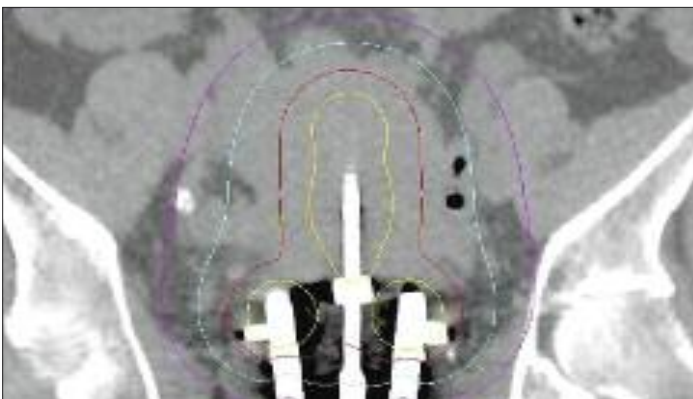
### SAGITTAL VIEW WITH DOSE DISTRIBUTION



### AXIAL VIEW WITH DOSE DISTRIBUTION



### A/P VIEW WITH DOSE DISTRIBUTION



Images provided by Hai Luo, Ph.D., DABMP - Chief Medical Physicist & RSO  
Orange Regional Medical Center - 75 Crystal Run Road, Middletown, NY 10941

## FEATURES

- Henschke Applicator is CT / MRI Compatible
- High-Quality - Streak-free CT Images for Planning
- Lightweight yet Sturdy and Rigid
- Constructed of Medical Grade Titanium and Polysulfone
- Anatomically Versatile, Non-bulky Construction
- Provides Dose Distribution Flexibility & Adjustability
- Physician-friendly; Easy Assembly and Disassembly
- Packing may be Obviated using the Rectal Retractor
- Custom Fitted to any of Today's Remote Afterloaders
- The Henschke T&O Applicator can be AUTOCLAVED

## THE HENSCHKE T&O APPLICATOR SET CONSISTS OF:

- 2 ea COLPOSTAT, (left & right)
- 6 ea OVOIDS, 2.0cm, 2.5cm, 3.0cm (2 of each)
- 3 ea TANDEM, STRAIGHT, MED & MAX CURVED
- 1 ea ADJUSTABLE CERVICAL STOP
- 1 ea SPACING BRACKET (left and right)
- 2 ea SPACING BRACKET LOCK KNOBS
- 1 ea TANDEM LOCK KNOB
- 1 ea RECTAL RETRACTOR WITH PADDLE
- 1 ea RETRACTOR ATTACHMENT KNOB
- 1 ea RETRACTOR ADJUSTMENT KNOB
- 1 ea ALLEN WRENCH
- 1 ea ST. STEEL RULER, 15cm
- 1 ea STERILIZATION CASSETTE
- 1 ea INSTRUCTION MANUAL

## Sterilization Procedure:

Autoclave instructions for Titanium & Polysulfone Components

Expose the Applicator with sterilization caps in place to the following steam cycle:

Temperature:	132° C (Gravity Displacement)
Exposure Dwell:	20 minutes
Drying:	15 minutes

NOTE: This sterilization protocol was validated double wrapping each cassette in CSR wrap.

## Materials used in Henschke T&O Applicators

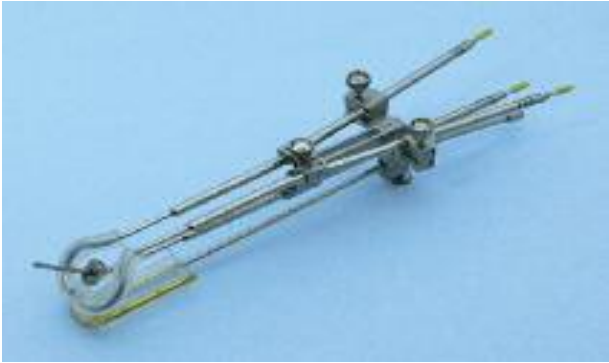
Applicator:	Titanium & Polysulfone
Ovoids:	Polysulfone
Rectal Retractor:	Polysulfone / Titanium

**CAUTION:** Do not interchange components from similar metallic applicators with the Mick CT Henschke T&O Applicator.

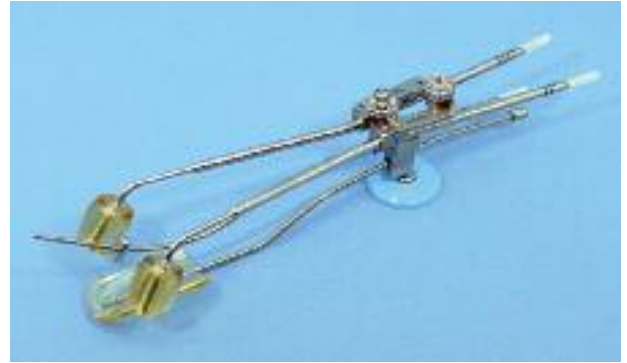
All components of the CT Henschke T&O Applicator are made of Titanium and each component is clearly marked with a "T" indicating that the part is made of Titanium.

# CT-HDR / LDR INTRACAVITARY APPLICATORS

CT - GYN Applicators are specifically designed for CT and MRI compatibility.



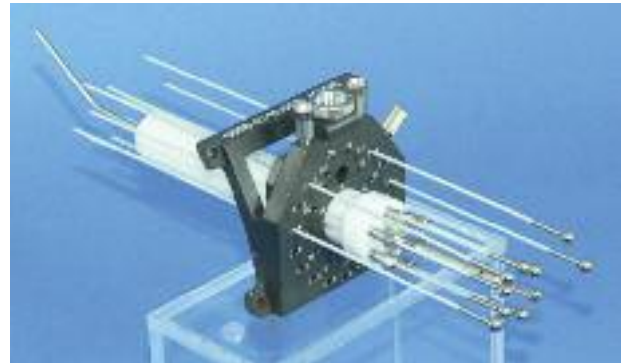
CT Split-Ring Applicator with Rectal Retractor



CT FSD Applicator with Rectal Retractor (Unshielded)



CT Vienna System with Titanium Needles



CT MAC Interstitial GYN Template



CT Miami Multi-Channel Vaginal / Cervical Applicator



Shielded Vaginal / Cervical Applicator with Support Arm



CT Segmented Vaginal / Cervical Applicator



CT LDR Henschke T&O Applicator