



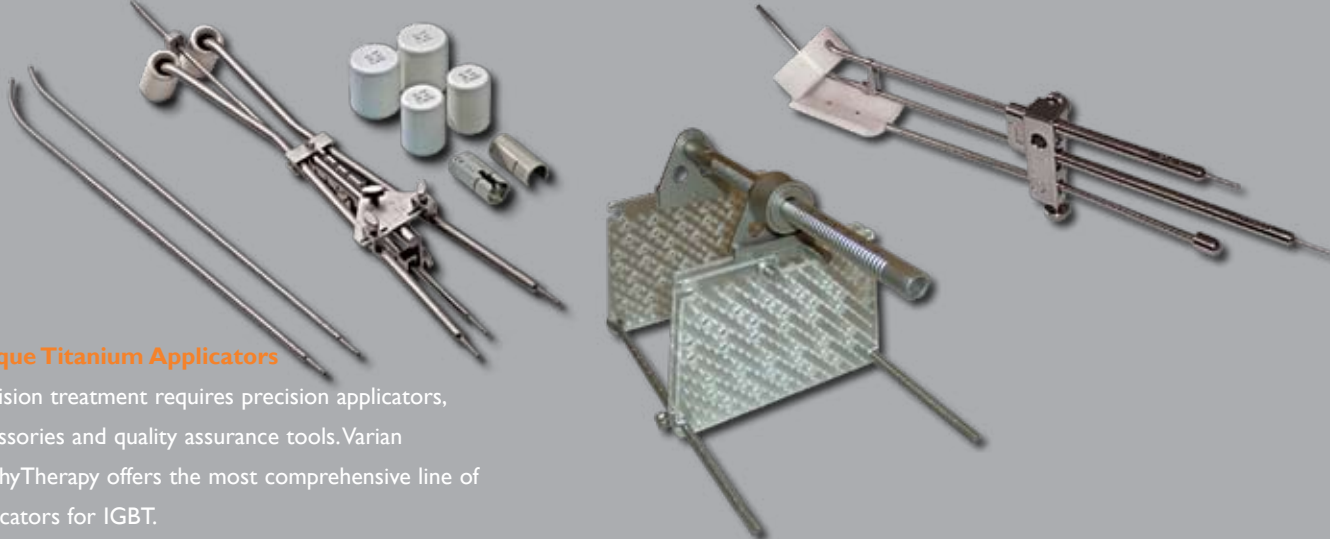
## **Varian BrachyTherapy** Applicators For Image Guided Brachytherapy

Recently, both the American Brachytherapy Society and the GEC-ESTRO groups have made recommendations on the use of 3D image based treatment planning in gynecological brachytherapy<sup>1,2</sup>. Applicators compatible with both CT and MR imaging modalities are an essential requirement for Image Guided Brachytherapy.

1. Nag, S., Cardenes, H., Chang, S., et al. Proposed Guidelines For Image Based Intracavitary Brachytherapy For Cervical Carcinoma: Report From Image-guided Brachytherapy Working Group. *International Journal of Radiation Oncology\*Biolog\*Physics*. 2004. 60:1160-1172.

2. Haie-Meder, C., Pötter, R., Van Limbergen, E., et al. Recommendations From Gynaecological (GYN) GEC-ESTRO Working Group: Concepts and Terms in 3D Image-based 3D Treatment Planning in Cervix Cancer Brachytherapy With Emphasis on MRI Assessment of GTV and CTV. *Radiotherapy & Oncology*. 2005. 74:235-245.





**Unique Titanium Applicators**

Precision treatment requires precision applicators, accessories and quality assurance tools. Varian BrachyTherapy offers the most comprehensive line of applicators for IGBT.

**Applicators For Imaging**  
**Unique Titanium Applicators Offer Ultimate Performance**

While previous products have utilized plastic materials for use with imaging devices, Varian BrachyTherapy has moved this technology forward utilizing state-of-the-art titanium to provide the ultimate in performance and features:

**Robust:** Unlike their plastic counterparts, Varian's titanium applicators are rigid and do not flex or move, offering a more reproducible and accurate setup in the patient.

**Durable:** Titanium applicators are extremely durable and will far outlast their plastic counterparts. This is especially true if the applicator is likely to be subjected to a steam sterilization process, or is accidentally dropped.

**Small Tandem Diameter:** At just under 3mm in diameter, the tandem of the Varian BrachyTherapy Fletcher-style and Ring applicators are far smaller than their plastic counterparts. This not only allows for greater patient comfort and the possibility to insert without general anesthesia, it also permits the use of a Smit cervical sleeve.

**Steam Sterilization:** All Varian BrachyTherapy CT/MR compatible applicators can be steam sterilized repeatedly without degrading their overall life expectancy.

**CT/MR Compatible Fletcher-style Cervical Applicator:**

Varian BrachyTherapy is the only vendor to offer a variable geometry CT/MR compatible Fletcher-style applicator, featuring multiple tandem angles and the ability for the tandem to intersect the ovoids at any point.

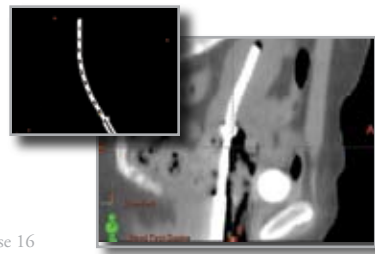
**Greatest Selection:** Varian BrachyTherapy offers the widest range of CT/MR compatible applicators available on the market.

**Varian BrachyTherapy's Complete Solution for Image Guided Brachytherapy**

Varian BrachyTherapy offers a complete range of products to facilitate Image Guided Brachytherapy, including a range of Afterloaders. Two other essential components of this technique are treatment planning and applicator imaging. For details of the significant advantages Varian BrachyTherapy has in these areas, please see the following product brochures:

*Varian Acuity™ BrachyTherapy Suite™ One Room Integrated Image-Guided Brachytherapy (RAD 4207).*

*BrachyVision™ 3D Image-based Brachytherapy Treatment Planning System (RAD 6030C).*



**Titanium Applicators** are highly visible in both CT and MR imaging modalities.



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