

Montreal Split Ring Applicator Module Brochure

A Patient-Specific IC/IS Brachytherapy Solution

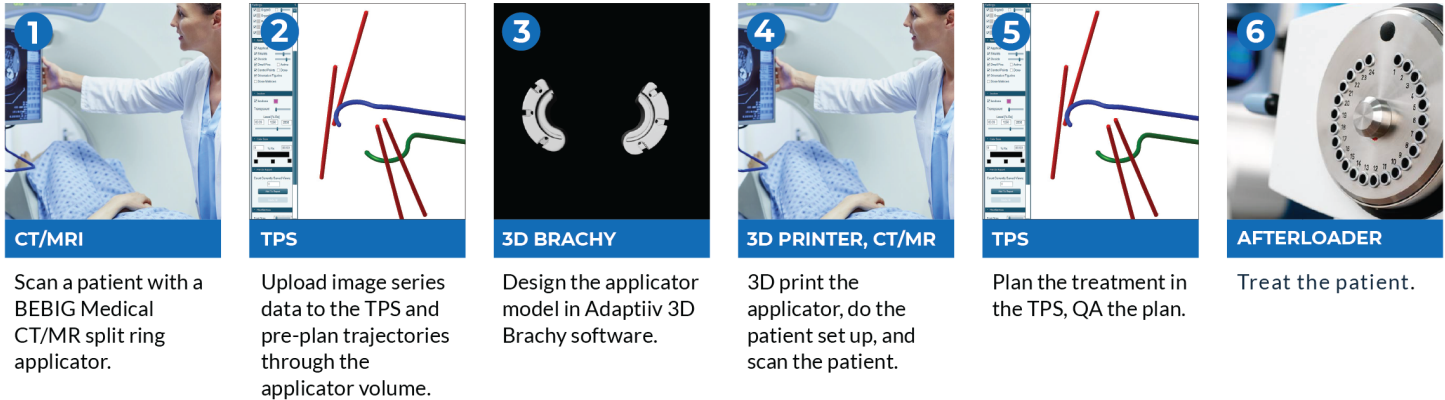
Adaptiiv software allows users to design and customize patient-specific IC/IS split ring build-up caps for 3D printing. The Montreal Split Ring Applicator enables the customization of needle trajectories of the Mick® Split Ring Applicator, providing more opportunity for optimal planning and delivery.



“Customized applicators are expected to optimize spatial needle channel distributions and enhance access to less frequent tumour locations, thereby improving brachytherapy treatment conformity, increasing local control in large extensive tumours and **decreasing side effects and their impact on quality of life.**”

Francois DeBlois, Ph.D., FCCPM, Chief of Medical Physics
Centre Hospitalier de l'Université de Montréal
Canada

Montreal Split Ring Applicator Clinical Workflow



Clinical Benefits



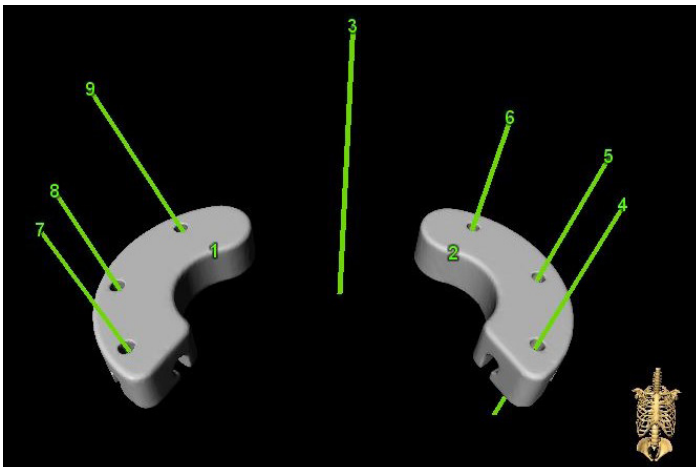
Access to Personalized Care

Current applicator options have a choice of needle angles between 0° to 25°, laterally. The Montreal Applicator allows for a wider continuous range and a pitch angle up to 45°, allowing more precise, patient-specific treatment to be delivered.

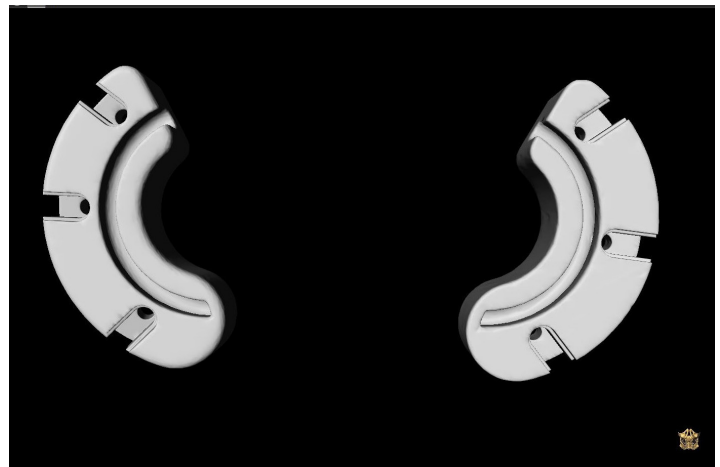


Operational Efficiency

- Seamless compatibility between Adaptiiv software and BEBIG SagiPlan® TPS through integrated transferring of DICOM files.
- Application of the original hardware-attachment features (Mick®) on the modified (widened) split ring sleeve.
- Application of user-defined tunnel diameters for fitting flexible needles into a modified (widened) split ring.



The design workflow user interface for the Montreal Applicator within Adaptiiv's IC/IS brachytherapy software module.



A 3D view of the patient-specific design of the Montreal Applicator's split ring sleeves with subtracted needle notches.

SagiPlan® and Mick® are registered trademarks of BEBIG Medical GmbH and its subsidiaries.

The mentioned product is not available in all markets. Please contact your local Adaptiiv / BEBIG Medical GmbH representative for more information. Federal (USA) law restricts the sale of this device by or on order of a physician. For a complete listing of all indications, contraindications, precautions and warnings, please refer to the Instructions for Use which accompany each product.