ADAPTIIV

Halifax Vault Applicator
Module Brochure

Patient-Specific IC and IC/IS Brachytherapy Solution

Adaptiiv software allows users to design and customize patient-specific IC and IC/IS vault applicators for 3D printing. The Halifax Vault Applicator is customizable, allowing better needle and catheter path placement and an improved fit. A personalized design improves the ability for optimal treatment planning in dose delivery and OAR sparing.

"The limitations of preparing vaginal applicators from a mould are time-consuming and can only be done by experienced staff. Adaptiiv's 3D Brachy software to create patient-matched personalized vault applicators reduced preparation time by 50%, from 8 to 4 days. **Adaptiiv's Halifax Vault Applicator software is a real-world solution for variable postoperative vaginal vault topography."**

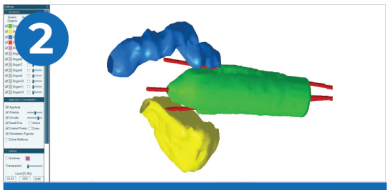
Royal North Shore Hospital
NORTHERN SYDNEY CANCER CENTRE
Australia

NOT FOR CLINICAL USE

Halifax Vault Applicator Clinical Workflow

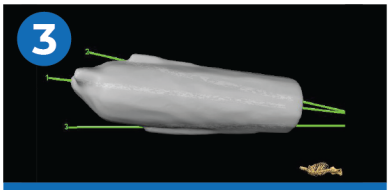
CT/MRI

Scan patient with a phantom applicator or impression material.



TPS

Upload image series data to the TPS and pre-plan custom trajectories.

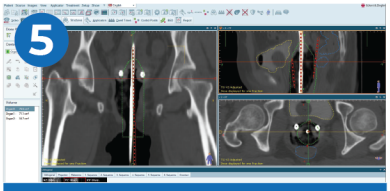


3D BRACHY

Design the applicator model in Adaptiiv 3D Brachy software.

3D PRINT, CT/MRI

3D print the applicator, setup and scan the patient.



TPS

Plan the treatment in the TPS, QA the plan.

AFTERLOADER

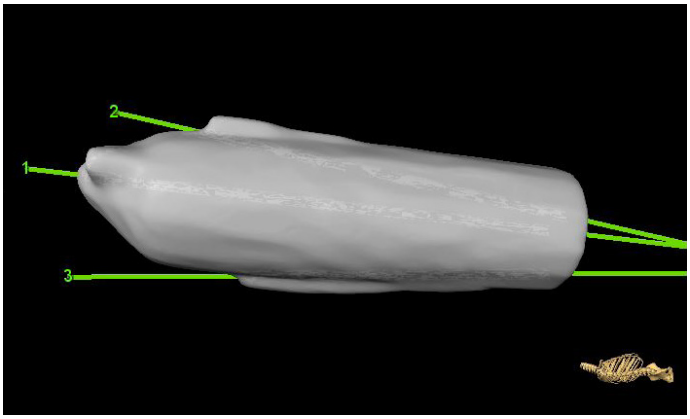
Treat the patient.

Clinical Benefits

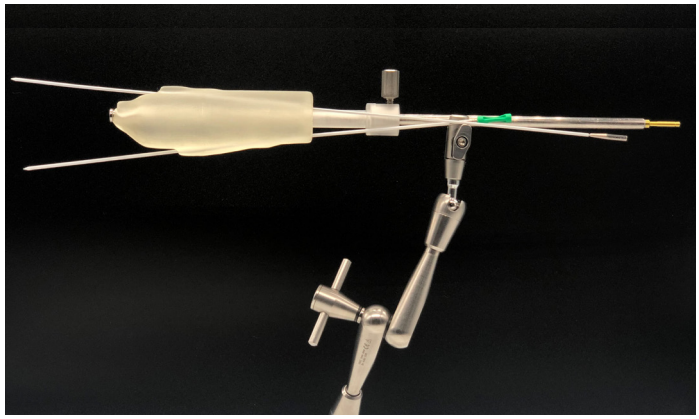
Access to Personalized Care
Design an IC/IS brachytherapy applicator that is patient-specific in shape, size, trajectory orientation, and tunnel diameter, for 3D printing.

Clinical Precision
Patient-specific tunnels can go through the applicator or stop partially through the applicator at a user-defined distance.

Operational Efficiency
Catheter tunnel diameters can be commissioned for use with brachytherapy equipment already existing in the clinic.



The user interface of the Halifax Applicator workflow in Adaptiiv's IC/IS brachytherapy software module.



A treatment-ready, 3D printed Halifax Applicator fixed to a tandem tube clamped onto a base plate.