ADAPTIIV

Nova Surface Applicator
Product Brochure

A superior tool for optimizing and delivering prescribed dose.

Adaptiiv's enhanced algorithms allow users to automatically design a patient-specific applicator that can be 3D printed, resulting in hollow catheter trajectories with a constant user-defined stand-off and separation distances. This module provides an ideal tool for optimizing and delivering the prescribed dose to patients compared to other conventional methods.

"Adaptiiv's latest Nova Surface Applicator software is much more versatile than its predecessor software. The software handles complex geometry target's locations very well and streamlines the applicator designing process seamlessly."

Michael Ashenafi, Medical Physicist
UNIVERSITY OF ROCHESTER
James P. Wilmot Cancer Center

ADAP-MB-08 V01 2023-06-21

Nova Surface Applicator

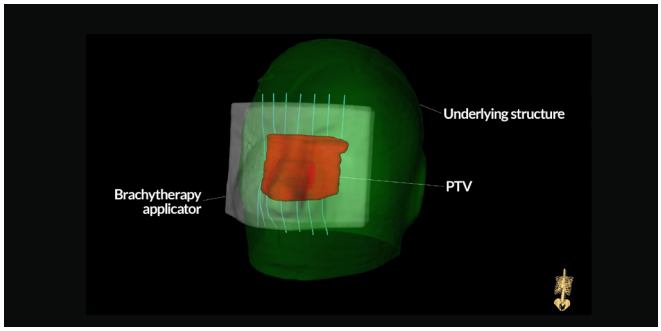
Adaptiiv's software solution enables cancer centers to confidently create patient-specific applicators that provide a superior dose distribution compared to other existing methods.

Nova surface applicators can be ordered through Adaptiiv On Demand by using the Nova Surface Applicator module in 3D Brachy software.

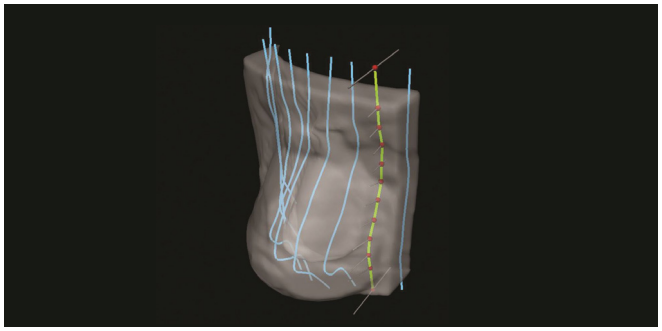
Access to Personalized Care
Point and click software functions enable the user to create customizable catheter trajectories specific to the patient's anatomy and treatment plan.

Clinical Precision
- Users can visualize structures in 3D to see target volumes and OARs (organs-at-risk) at any transparency level when planning custom brachytherapy tunnels.
- Adaptiiv is the only regulatory cleared solution that has the ability for a customized applicator structure to be exported for dose verification in the TPS.

Operational Efficiency
Software optimization eliminates time-consuming and labour intensive manual fabrication methods, replacing the need for expensive applicators.



A 3D view of a brachytherapy applicator planned treatment volume (PTV), and underlying structures.



Complex iterations of applicator design can be achieved through point and click capabilities.

Real-Time Trajectory Optimization – When adjusting a node for optimization, the bend-radius visual indicator changes in real-time.

Trajectory Modification – Users can add countersinks, shorten tunnels, create dead-end tunnels, change tunnel exit locations, adjust nodes vertically and laterally, visually see inter-trajectory distance deviation, and add multiple trajectories.

Tunnel Labels – Click anywhere on the applicator to place tunnel labels. Each label will be extruded on the applicator's surface to aid catheter placement during treatment.

Compatibility of Adaptiiv's 3D Brachy software and use of the Nova surface applicator with Varian's BRAVOS™ afterloader system has been confirmed.

ADAPTIIV

Adaptiiv Medical Technologies Inc.
ADAP-MB-08 V01 2023-06-21

info@adaptiiv.com
adaptiiv.com