

Eclipse Treatment Planning System

SmartAdapt contouring and deformable registration



Available on the Eclipse™ treatment planning system, SmartAdapt enables you to easily track and adapt to interfractional changes in anatomy of your patient throughout the treatment.

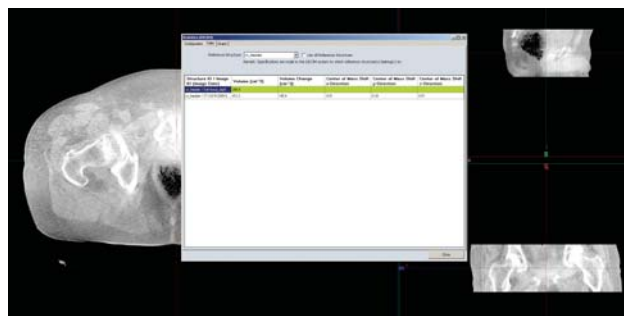
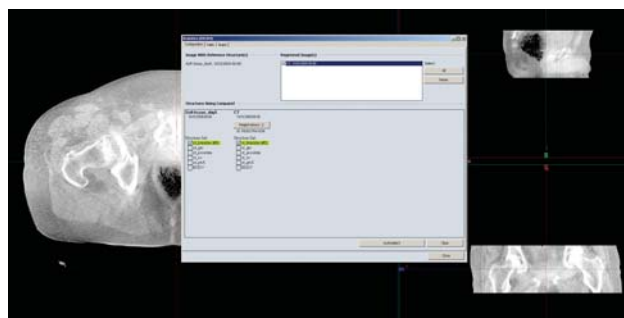
Using the interactive deformable registration and segmentation tools, you can quickly visualize and address differences between the planning CT and CBCT images. Automatically deform and propagate initial contours to match the current anatomy, and edit or fine tune the changes using a variety of 2D and 3D contour editing features.

Sophisticated techniques, such as blending, color mapping, and difference rendering, as well as deformation-specific information enable a thorough review and approval of registration results.

Interactive deformable registration and segmentation tools

Key features

- > Multi-modality image review
- > PET and relative intensity-based contouring capabilities
- > Deformable image registration, CT and CBCT
- > Manual deformable registration editing
- > Automatic, manual, point-based rigid multi-modality image registration (CT, MR, PET, and CBCT), including registration chaining
- > Multiple registration and constraint settings
- > Automatic structure propagation between registered images
- > Structure editing tools for 2D and 3D
- > Display of statistics for volume and center mass changes for co-registered structures
- > Correlated window leveling
- > Review and approval of structures
- > Approve registration



Advanced statistics tool

A statistics tool allows tracking of relevant changes and provides you with crucial information for deciding about a potential re-optimization.



Simplicity

Adapting treatment delivery to meet your clinical goals and to improve patient outcomes can be made easier with SmartAdapt.

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