

RADCALC[®]

Trusted MU Verification

Fast, Easy, and Accurate Dosimetric Verification

The RadCalc Advantage

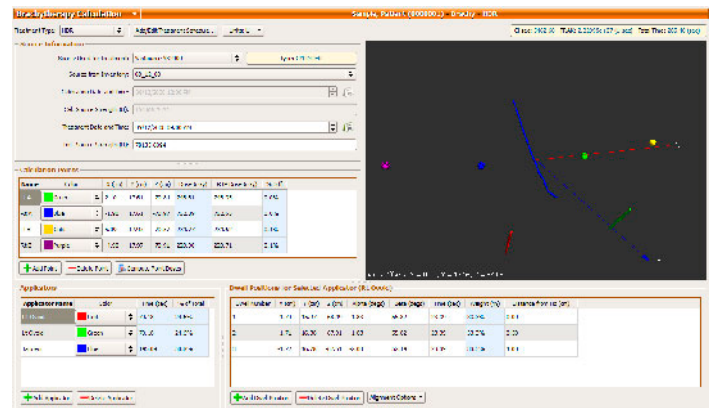
- Fast, easy, and accurate dosimetric verification
- Rapid commissioning (configuration of up to two (2) machines is included with every package)
- Professional calculation printouts and powerful administrative and physics data reporting tools
- World class Technical Support and comprehensive Help documentation
- Flexible site licensing
- Rapid commissioning
- Increases throughput, relieves workload pressure, and reduces costs department wide

RadCalc Applications

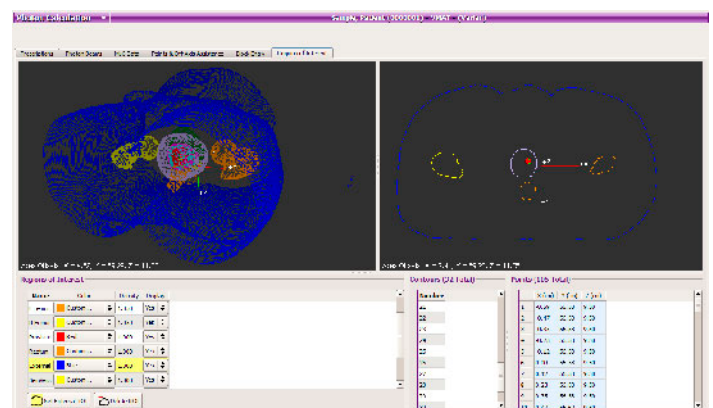
- Performs conventional 2D and 3D, IMRT and Compensator based IMRT treatment plans
- Brachytherapy support for HDR, HDR (Xoft), LDR, and Permanent Implant treatment plans
- Robust VMAT support using Regions of Interest (ROI)
- Capable of Importing from RTP or V&R Systems and Exporting to V&R or RTP Systems
- Rapid commissioning
- Electron and photon calculations
- 3D off axis assistance

RadCalc Software Highlights

- Intuitive and customizable user interface
- Flexible installation architecture - Local or server based
- Multi-platform - Windows 7, Vista, XP, 2000 and NT 4
- Multi-lingual capable - Currently available in French and English



HDR Brachytherapy support



VMAT support showing ROI

IMRT Validation Utility

The IMRT Validation Utility allows the verification of MU or point dose calculations for IMRT based treatment plans. The IMRT utility allows you to import from your treatment planning system either static or dynamic MLC leaf sequences. A modified Clarkson integration algorithm in RadCalc utilizes the MLC leaf sequences in order to compute the dose or MU. RadCalc is capable of handling an MLC with up to 200 leaves. The MLC leaf patterns are viewable within RadCalc's MLC Data tab.

RadCalc allows you to import from your treatment planning system and export to your verify and record system either static or dynamic MLC leaf sequences. RadCalc has been demonstrated to successfully transfer 120 leaf fields. The MLC leaf patterns are viewable within RadCalc's MLC Data tab as shown to the right.

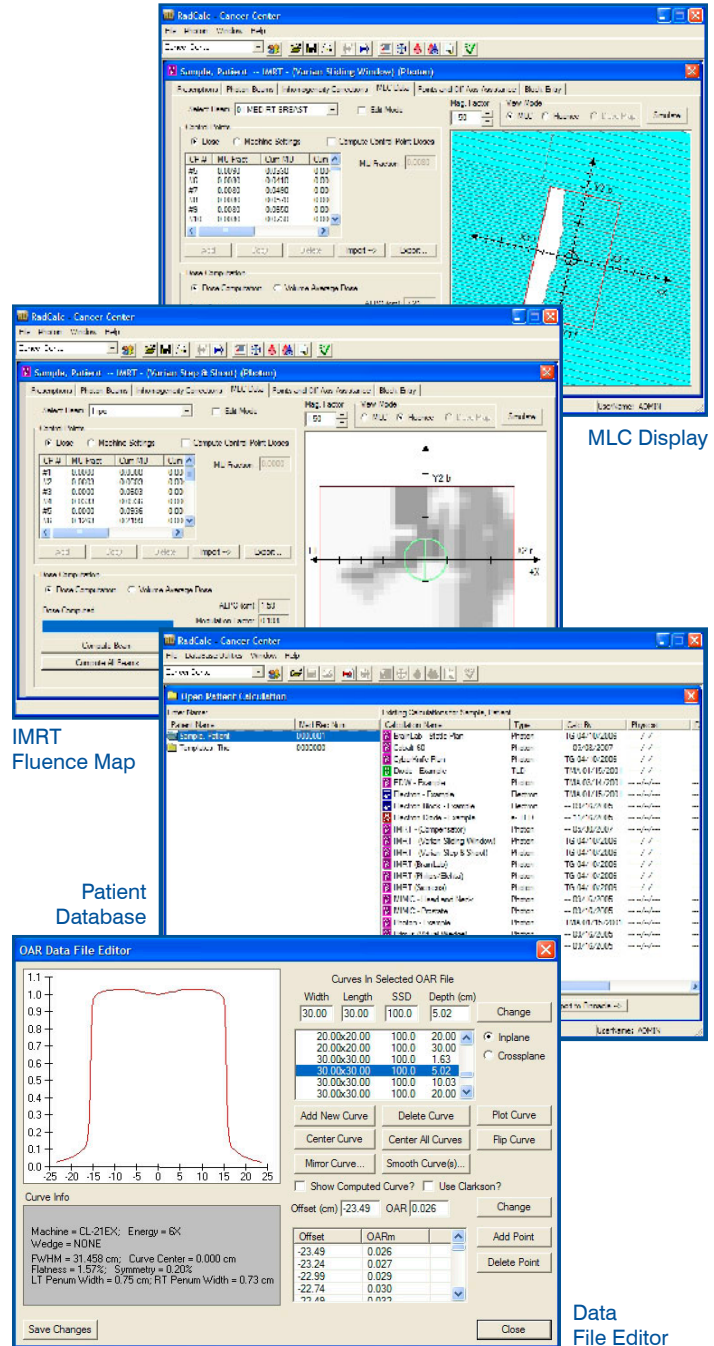
Display fluence map, dose per segment, average leaf pair opening, point dose comparison, and volume average dose comparison in the IMRT module. The IMRT Validation Utility requires the RTP Import Utility.

Instant access to your patient database

- Provides easy access to patient information allowing you to verify, change or copy calculations
- Copy calculations: Allows easy transfer of calculations from one accelerator to another if needed
- Allows easier transfer of patient information between RTP and verify and record systems
- Gives multiple users access to all patient calculation information from a network server
- Multiple site support from one primary database

Off Axis Ratio, PDD and TPR data file editors allowing:

- Automated import from data acquisition system
- On-line graphical presentation of data
- Analysis of off axis ratio curves
- Printouts of off axis ratio, PDD, and TPR curves
- Generation of PDD and TPR table printouts



Printouts

All printouts can be printed in PDF format. MU calculations can also be printed in a spreadsheet format to a Rich Text File.