Panther 3D Conformal Therapy

Accuracy, Simplicity and Ease of Use

"One of the features we like best about Prowess treatment planning systems software is that it's very simple to use. ... We've used Prowess External Beam 3D system since it was first released. Honestly, I can do twice as many plans with Prowess than with other systems in the same amount of time. We have found the system to be very reliable, and customer service is excellent."

Leonard Hurst, MHS, DABR
Catawba Memorial Hospital
Hickory, North Carolina

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"The technical support has been amazing!!! We have had Prowess TPS support for the past six years and they are the best. The system is very intuitive (user friendly). Displaying the menus available on one screen is a very efficient use of our time. (We do not have to back out of the program to enter into another aspect of the planning system.) It is also very useful for our remote Dosimetry center to have the ability to enter and update the clients beam data ourselves. This is very time and cost effective."

Deborah McGhen Dosimetry Manager Comprehensive Physics & Regulatory Services, LTD (CPRS) Point of Rocks, Maryland

Panther 3D Conformal Therapy is designed to improve efficiency in the busy radiation oncology department of today, delivering more value to the healthcare environment that expects cost reductions and higher productivity without sacrificing the level of patient care.

Prowess has a competitive advantage by building Panther 3D Conformal Therapy on the familiar and most user-friendly Windows platform. Users are able to generate treatment plans quickly due to the familiar Windows "look & feel" and Panther's intuitive user interface.

Recognizing the financial realities of today's medical environment, Panther 3D Conformal Therapy is designed to be completely modular. Upgrading with additional modalities in the future seamless.

Affordably priced, backed by extensive training and prompt technical support, Panther 3D Conformal Therapy is the most comprehensive and cost-effective solution for ALL your treatment planning needs.

Simplicity

This is the only Treatment Planning System that uses a single platform and the same interface for all modules. The range of modules include: External Beam; DAO IMRT; Jaws-Only IMRT; CT Simulation and Brachytherapy.

Networking

All Physicians, Physicists and Dosimetrists can access and work on plans from their own workstations or laptops regardless of where they are located.
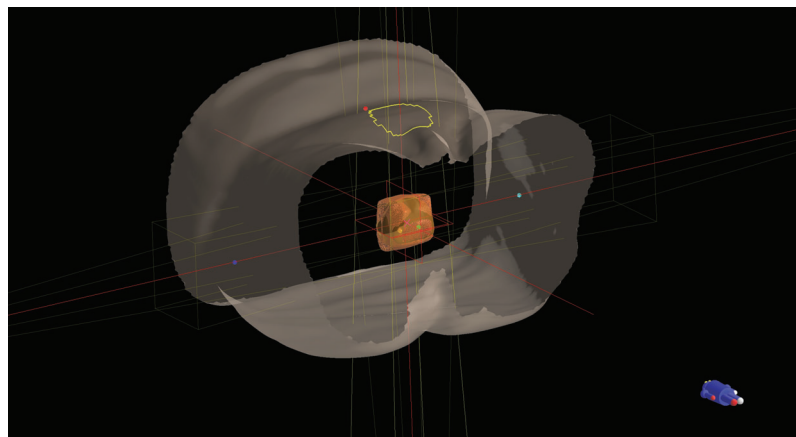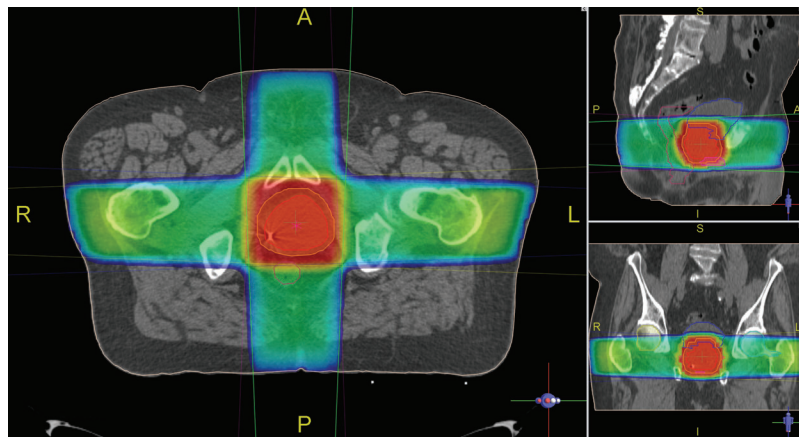
Key Features

Image Acquisition
- Fully DICOM 3.0 and DICOM RT compliant for import and export

Image Fusion
- Support for CT, MRI, PET images
- Automatic Image Fusion by maximizing Mutual Information
- Register up to five different image series of any supported type
- Verify with Checkerboard, Aperture and Transparency tools

Contouring Tools
- Support up to 60 contours
- Advanced automatic and manual contouring tools
- Paintball tool for quick and easy editing
- Undo, Redo contouring utility
- Create new volumes with Asymmetric margins and Boolean operators
- Multiple 3D image set support

Dose Calculation Algorithms for 3D Conformal Therapy
- Fast Photon: Equivalent TMR and 3D ray tracing
- Electron: 3D Ray tracing based on measured beam data

Visualization Tools
- 512 x 512 DRR with enchancement tools
- Single interface window throughout the planning procedure
- CT view in 3D with efficient multi-planar reconstruction
- Plan comparison
- MLC, Blocks and Isodose Volumes in BEV
- Bolus editing tool
- User selectable window layout
- Zoom any view to full screen
- Isodose, Iso-Fill and Colorwash features

Planning
- Beams, Plan templates
- Photon and Electron beams can be combined
- Planning on top of existing dose
- Supports fixed or rotational beams
- Side by side plan comparison
- DVH comparison and Dose Volume Limit evaulation
- Non-coplanar beam planning

Dose Calculation Algorithms for Panther 3D Conformal Therapy Pro
- Fast Photon: Equivalent TMR and 3D ray tracing
- Collapsed Cone Convolution Superposition
- Electron: 3D Ray tracing based on measured beam data