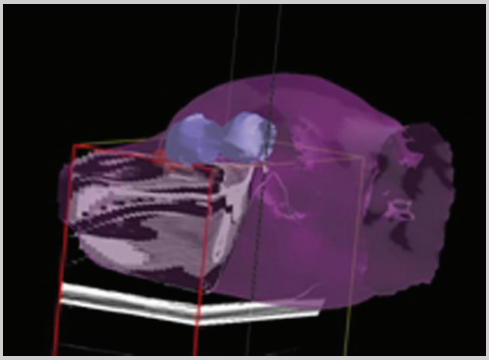
# Prowess Veterinary Treatment Planning System

## Accuracy and Simplicity for Animals Large and Small



*"Prowess has been very responsive to the specific needs of veterinarians in radiation treatment planning. I have used the system daily for the past 5 years with virtually no downtime or problems. They also offer the only treatment planning system that has enhancements addressing the unique needs of the veterinary patient."*

**Eric Boshoven, DVM**
**Diplomate ACVR (Radiation Oncology)**
**VCA Veterinary Referral Associates**
**Gaithersburg, Maryland**

*"Prowess Panther treatment planning system is a great system! I use the 3D conformal treatment planning daily. The system is incredibly user friendly and provides an accurate positioning system for my conformal setups. The veterinary interface allows correct anatomical landmark documentation and supports lateral positioning that is so common in our veterinary patients."*

**Jayme Looper, DVM**
**Diplomate ACVR**
**Specialty of Radiation Oncology**
**VCA Aurora Animal Hospital**

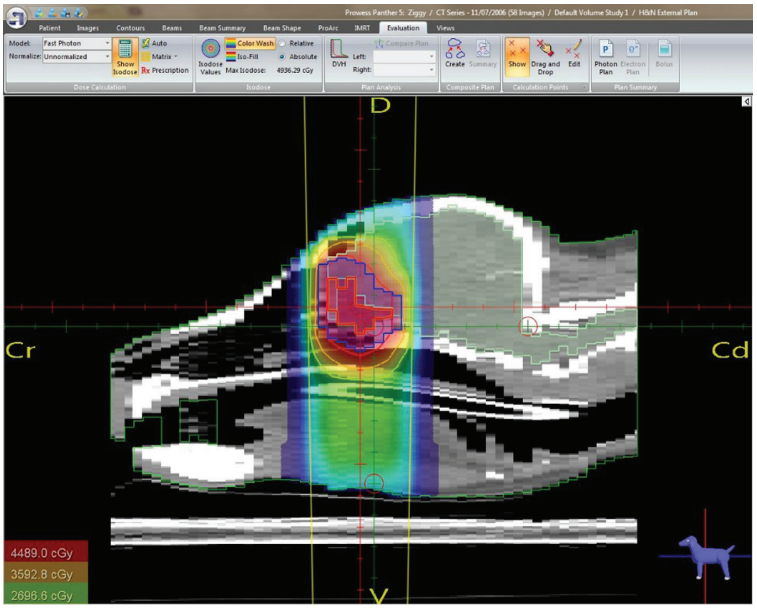
The Prowess Veterinary Treatment Planning System is the only existing radiation therapy treatment planning system (TPS) designed exclusively for veterinary applications. Using industry-specific terminology and animal image recognition, the software helps clinicians to accurately calculate dose and devise treatment plans unique to the varied animal population.

Built on the familiar Windows platform, Prowess Veterinary Treatment Planning System provides the user a simple, intuitive interface to quickly generate treatment plans and maximize patient throughput while minimizing start-up costs and improving workflow efficiencies. It is the only TPS that uses a single platform and interface for all treatment modules – 3D Conformal Therapy, Jaws-Only DAO Image-Modulated Radiation Therapy (IMRT), Multileaf Collimator DAO IMRT (MLC DAO IMRT).

Prowess Veterinary Treatment Planning System provides a cost-effective, scalable solution for veterinary oncology. Designed to meet present needs of clinics while providing a seamless modular upgrade path, the software allows clinicians access from any connected workspace or laptop, regardless of location.

### Benefits and features include:

- Industry-specific dose calculation algorithms
- Animal image recognition
- Simple, intuitive user interface
- Same platform for all treatment modules
- Versatile network access
- Cost-effective, scalable solution
- Free software upgrades the first year
- Outstanding technical support




## Key Features

### Image Acquisition

- Supports all Veterinary Image Positions
- Fully DICOM 3.0 & DICOM RT compliant for import/export

### Image Fusion

- Support for CT, MRI, PET images
- Automatic Image Fusion by maximizing Mutual Information
- Plan with up to five fused and registered image series
- 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 DDR with enhancement 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

- Beam, Plan templates
- Photon and Electron beams can be combined
- Supports fixed or rotational beams
- Side by side plan comparison
- DVH Comparison and Dose Volume Limit evaluation
- Non-coplanar beam planning

### Dose Calculation Algorithms for 3D Conformal Pro

- Fast Photon: Equivalent TMR and 3D ray tracing
- Collapsed Cone Convolution Superposition
- Electron: 3D Ray tracing based on measured beam data

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