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Oncentra[®]
VMAT

Independence in Volumetric Modulated
Arc Therapy

Works in progress

888.00113 MKT [00]



Volumetric Modulated Arc Therapy for improved dose conformity and shorter treatment times

At Nucletron, we have been providing innovative, independent radiation therapy solutions for over 30 years. Our latest breakthrough is the Oncentra[®] Dynamic Planning Environment, developed to provide a vendor independent, DICOM compliant, multimodality, modular and flexible dynamic treatment planning environment.

And now, building on our Direct Step and Shoot (DSS) technology, we are introducing Oncentra VMAT, a completely independent solution for Volumetric Modulated Arc Therapy. Oncentra VMAT provides clinicians with next generation planning capability including support for single arc, dual arc and skip arc techniques for compatible Varian and Elekta accelerators.

Oncentra VMAT provides:

Comfort for Patients

- VMAT treatments are typically two to eight times faster than traditional IMRT

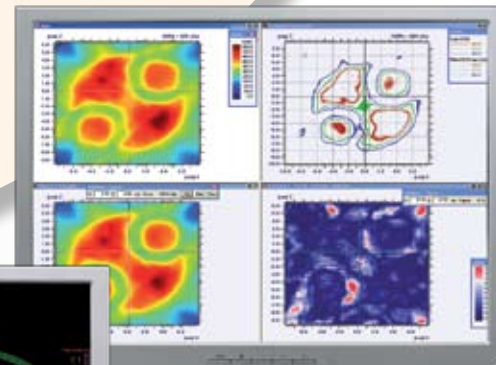
Assured accuracy for Radiation Oncologists

- Complex plans can be delivered by the Linac via optimal single, multiple or dual arcs with CW and CCW gantry motion to maximize treatment efficiency

Planning performance for Physicists and Dosimetrists

- Simple yet powerful planning options provide physicists with the information they need to generate superior plans while limiting leakage, scatter and integral dose to the OARs
- Oncentra VMAT makes it easier to get a consistently excellent plan from day to day and planner to planner

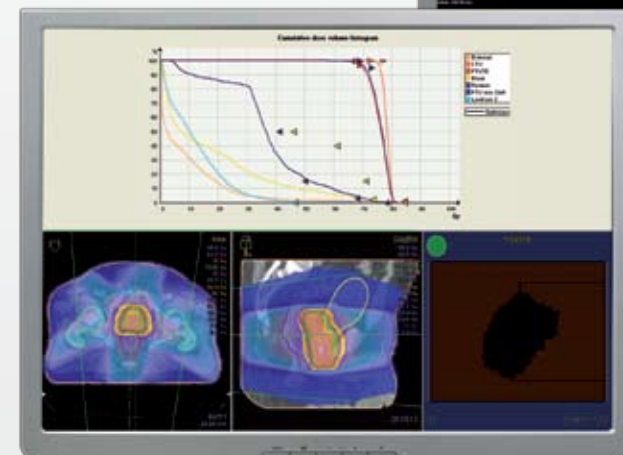
Optimized plan shows minimal deviation between calculated and measured dose



VMAT plan after optimization displays MU for all gantry angles in one glance



User can interactively adjust dose volume objectives during optimization



To learn more about Oncentra VMAT, please visit www.nucletron.com

Oncentra[®] VMAT is the independent choice

Oncentra is the most modern, DICOM and IHE-RO compliant treatment planning environment today. Oncentra VMAT provides leading clinics support for the latest innovative and proven treatment delivery solution.

Specific features of Oncentra VMAT

Independent

- Support for both Elekta and Varian Linacs
- Seamless connection with compliant R&V systems

Capable

- Single and multiple arc capable
- Non-coplanar arcs for support of stereotactic radiotherapy
- Precision Dual Arc technique with back and forth gantry motion

Easy to use

- Virtually no learning curve!
- Easy specification of Dose Volume Objectives
- Dose distribution and DVH updated on all views during optimization
- Graphical visualization of optimized plan

Intuitive

- Warm optimization
- Future proof design
- Can handle simultaneous leaf position, gantry speed and dose rate variation

