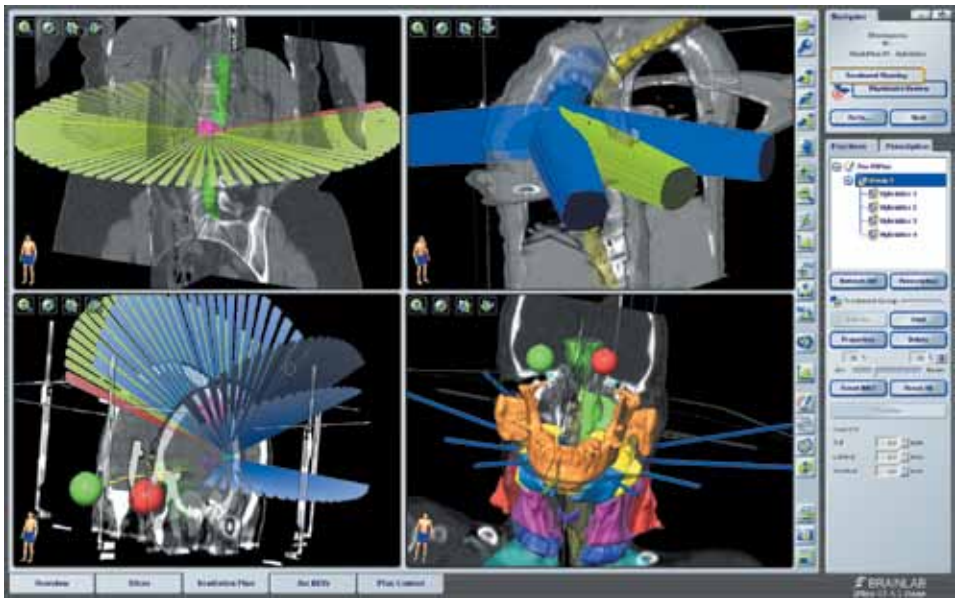
BRAINLAB

INTUITIVE PRECISE FLEXIBLE

iPlan® RT Dose delivers highly targeted treatment planning covering the full range of tumor complexity.



PRECISION EXPERTISE

iPlan® RT Dose assures the high accuracy required for stereotactic radiosurgery (SRS) and stereotactic body radiotherapy (SBRT)—even the smallest fields are considered during commissioning and included for beam data modelling. Considering the multileaf collimator (MLC) penumbra, the adaptive calculation and small kernel grid size contribute to high treatment accuracy. The need for higher dose delivery per fraction is contributing to growth in hypofractionation and SBRT. iPlan RT Dose provides tools for both cranial and extra-cranial radiosurgery, meeting the requirements for safe, effective and automated SRS and SBRT.

INTUITIVE HYBRIDARC™ PLANNING

Designed for complex cranial and spine radiosurgery, HybridArc™ delivers the required accuracy and resolution ideal for small target SRS or SBRT. The automated and templated interface make planning simple, fast and optimized for providing dose confomity while minimizing exposure to normal tissue.

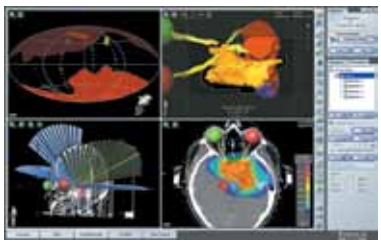
FLEXIBLE TREATMENT OPTIONS

iPlan® RT Dose planning includes static and dynamic conformal arcs, circular arcs, conformal beams and static and rotational intensity modulated radiosurgery and radiotherapy (SR-IMRT)—individually or combined for the necessary range of sophistication to cover SRS and SBRT planning.

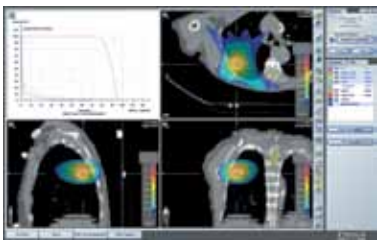
CUSTOMIZATION AND ACCURACY

iPlan® RT Monte Carlo performs dose calculations within seconds for a variety of treatments, and within minutes for complex IMRT cases. Seamless integration allows use with all major linear accelerators and multi-leaf collimator types, virtually eliminating treatment area restrictions of conventional dose calculation algorithms.

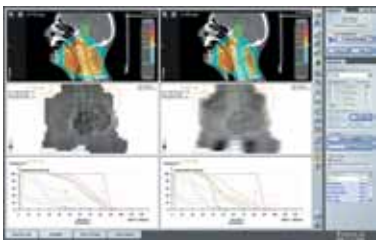
CLINICAL POSSIBILITIES



Cranial



Lung



Head and Neck

CLINICAL OUTLOOK

"The iPlan MC algorithm is demonstrated to be an accurate and efficient dose algorithm, incorporating robust tools for MC-based SBRT treatment planning in the routine clinical setting."

INDRIN J. CHETTY, Ph.D., Physics Division Director, Radiation Oncology, Henry Ford Health System, USA