Fully integrated and automated re-planning

The PreciseART Radiation Therapy Option extends adaptive radiotherapy possibilities, delivering an entirely new level of system integration and workflow automation. The PreciseART Option enables clinicians to monitor every patient and efficiently adapt plans, helping clinics of all sizes deliver more precise treatments to more patients.

- Automated processing of daily imaging enables clinicians to monitor all patients and set protocol-specific action levels to flag cases for review and possible plan adaptation

- Streamlined re-planning capabilities leverage full integration of treatment delivery, planning and database systems to allow clinicians to efficiently generate new treatment plans based on previous plan data

- Maintain the integrity of original treatment plans to ensure tumor coverage, preserve OAR doses and reduce toxicity

Monitor automated report of trends in dose, dose-volume, target or OAR absolute volumes.

Efficiently assess the impact of anatomical changes on treatment plans.
Quantitative Images

Fan Beam MVCT images allow for treatment-plan-quality dose calculations using the daily IGRT Images.

- Accurate, heterogeneous superposition dose calculation without additional modification or special QA*
- Automatically augments daily MVCT with superior, inferior and axias aspects from kVCT
- Incorporates daily patient treatment shifts in adaptive calculations


Automated Monitoring

Automating key processes allows clinicians to monitor all patients and immediately identify candidates for re-planning.

- Deforms the planning VOIs onto the daily image
- Calculates the dose on the daily image
- Deforms and accumulates daily dose onto treatment planning CT
- Generates user-defined reports
- Flags fractions with structure(s) exceeding user-defined dose or dose-volume tolerance

Efficient Evaluation

Fully integrated treatment planning and delivery data helps clinicians quickly identify patients that will benefit from re-planning.

- Review daily dose and registrations, cumulative dose, dose differences and trending data
- Compare fractions and see original and deformed contours on daily merged image
- Evaluate deformation with built-in QA tools

Deliver more precise treatments to more patients.

See trends in maximum dose data.

Visualize the re-calculated dose relative to the planned dose.