

Elekta Versa HD™

Push the boundaries
of your stereotactic
capabilities

 Elekta



Stereotactic treatments demand the highest levels of accuracy, precision and efficiency.

As evidence continues to grow for new SRS and SBRT indications, ensure you have the right platform to empower the treatments of tomorrow.



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- Enable high definition dynamic radiosurgery (HDRS)
 - Provide stereotactic treatments with anatomically guided accuracy
 - Assure end-to-end confidence



Versa HD

Push the boundaries of your stereotactic capabilities

Enable high definition dynamic radiosurgery (HDRS)

Versa HD—our premium system—delivers absolute reliability, accuracy and confidence in stereotactic radiosurgery (SRS) and stereotactic body radiotherapy (SBRT) treatments, to help you grow your stereotactic program as a mainstream technique. Confidently treat complex or challenging cancers with submillimeter, end-to-end accuracy.

Plan and deliver.

- Monaco enables gold standard treatment planning with Monte Carlo accuracy
- Fewer, single or partial arcs allow faster treatment delivery without compromising quality
 - Single or multiple radiation beams sweep in uninterrupted arcs around the patient
 - High radiation dose is delivered to the tumor target while minimizing dose to surrounding tissue
 - Makes dramatically reduced treatment times possible

Target more at one time.

- Versa HD integrates Monaco and Agility high-resolution MLC to deliver treatments with 1 mm virtual leaves and a full 40 x 40 cm field size
- Treat multiple and extremely small, stereotactic targets with just a single isocenter

- Deliver faster treatments to overcome patient movement and discomfort
- Minimize associated risks from non-therapeutic dose transmission

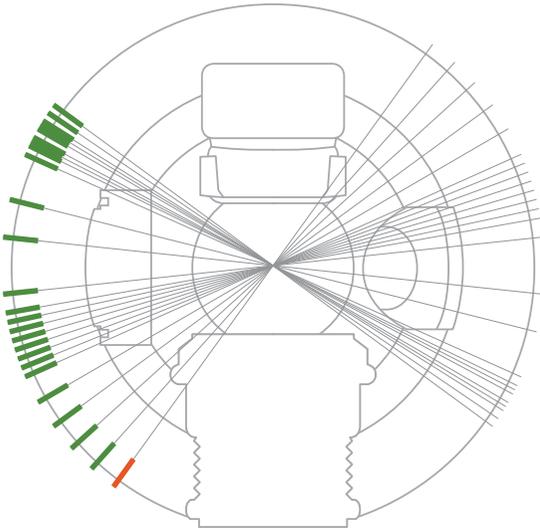


**Elekta
IntelliBeam**

Intelligent, high-definition, high-speed treatments

- IntelliBeam allows intelligent, high-definition and high-speed modulated treatment delivery
 - Monaco® and Agility™ enable precise planning and accurate delivery
- Up to 1,024 dynamic control points per arc allow tight conformity, high dose to target and short delivery

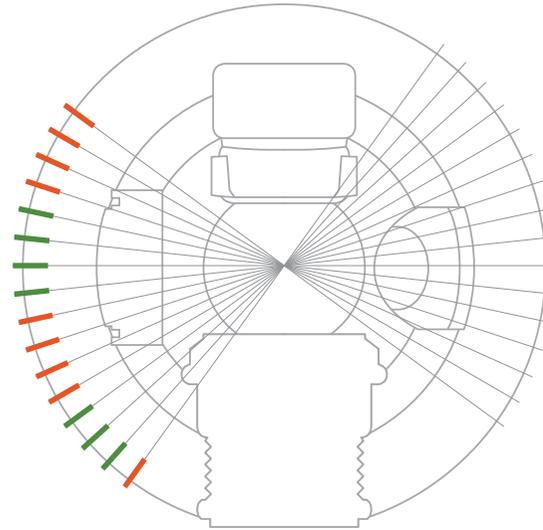
Deliver highly conformal SRS/SBRT in standard treatment slots



Elekta IntelliBeam

Flexible gantry rotation with up to 1,024 dynamic control points.

1. Higher modulation
2. Shorter delivery time
3. Superior plan quality



Other Systems

Equidistant control point size up to 180 control points per arc.

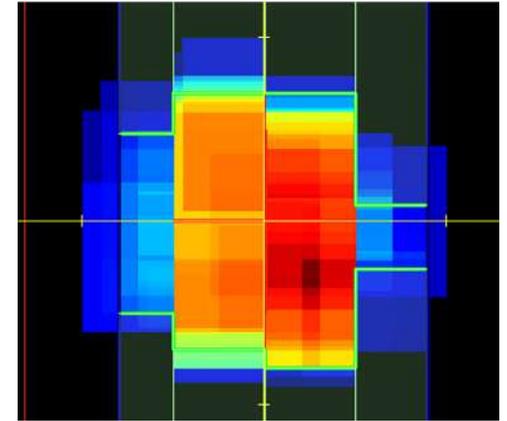
1. More arcs
2. Inefficient delivery
3. Suboptimal sparing for OAR

Comparison between Elekta linacs using Pinnacle, Raystation, and Eclipse to a Versa HD system with Monaco

Treat more patients, faster.

- Versa HD delivers up to 6x more modulations per arc, fast leaf speeds up to 6.5 cm/s, jaws leaf speed of 9 cm/s and High Dose Rate—allowing you to perform any SRS/SBRT treatment in a standard treatment slot of 15 minutes or less*
- Technology to treat patients faster reduces risk of motion induced errors and increases throughput
- Increased patient throughput can potentially increase revenues, quality of care or both for every patient

*Data on file



Treat smaller stereotactic targets

HDRS full-field virtual leaf hypermodulation

HexaPOD™ evo RT

Fully integrated robotic positioning system with six degrees of freedom

- Align challenging and multiple targets
- Submillimetric accuracy at your fingertips



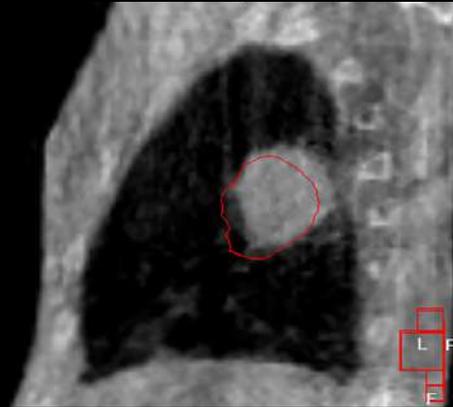
Provide stereotactic treatments with anatomically guided accuracy

The innovative imaging and motion management technology found in Versa HD gives clinicians the confidence to reduce margins and escalate dose to the target. It expands the scope of HDRS reaching smaller targets in locations previously untreatable with radiation.

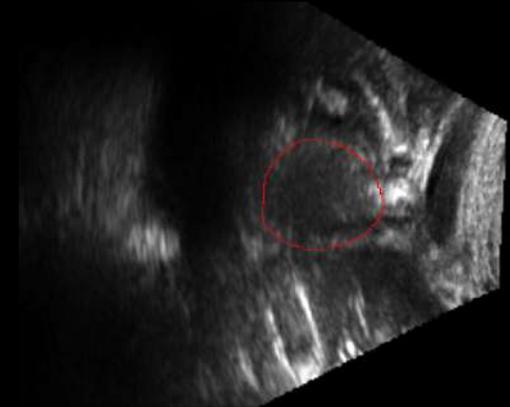


Advanced 4D Image Guidance for lung and prostate SBRT

Manage complex motion without implanted markers



Anatomically correlated 4D Image
Guidance allows fiducial-free lung SBRT



Real-time non-ionizing soft tissue monitoring
for prostate SBRT

See more, treat more.

- Versa HD offers 4D image-guided radiotherapy (IGRT)
- Visualize very small and moving tumors that can't be seen with 3D imaging
- Escalate dose while safely reducing margins
- Prepare for the future by offering cost-effective stereotaxy treatments as surgical alternatives

Be accurate.

- Versa HD assures submillimeter end-to-end accuracy
- Attain high-quality 2D, 3D and 4D intra-fraction imaging
- Enable confident treatment of small and complex tumors—such as in the lung and prostate

Protect patients.

- Only Elekta offers Critical Structure Avoidance (CSA)
- Dual registration of target(s) and critical structures protects physician intent while remotely adapting your patient's position

Manage motion effectively.

- Advanced, automated XVI 4D image guidance references to anatomy
- See and confidently treat small and multiple targets within the lungs
- Safely escalate dose and reduce margins without surrogate markers
- Treat patients more comfortably with free breathing techniques

Assure end-to-end confidence

Our end-to-end Versa HD methodology provides the highest levels of dose delivery accuracy allowing you to push the boundaries of clinical capabilities.

Plan, Patient and Machine QA offer total system confidence.

- Monaco treatment planning with gold standard Monte Carlo algorithm ensures what you plan is what you treat
- In-vivo patient dosimetry compares the EPID-detected dose during treatment to the plan-predicted dose, and acts as a treatment safety net at time of treatment
- AQUA™ provides standardized automated QA to streamline, centralize and simplify your QA processes



SureStart

Fast start-up and optimized performance

Rest assured. Be the best.

- Our unique Elekta Care™ program provides ongoing support to ensure optimal system uptime
- Our commitment to your customer care combines unrivaled professional support with state-of-the-art technical services
- We get you up and running quickly—and keep you that way
- 24/7 system support, lifetime learning opportunities and peer-to-peer knowledge sharing
- PseudoPatient™ technology from RTsafe offers extremely accurate end-to-end testing necessary for SRS/SRT

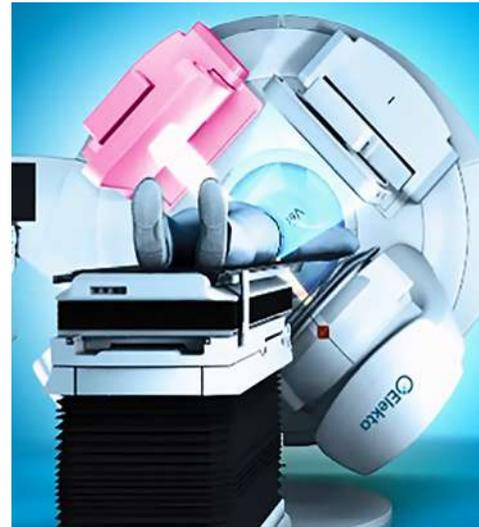


Quality assured

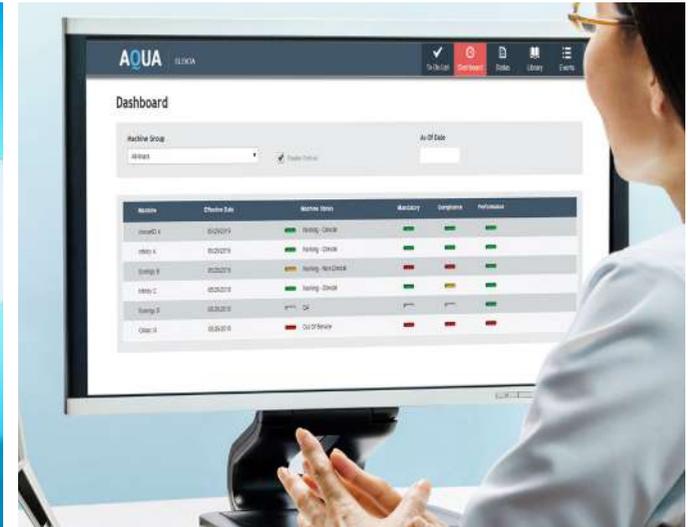
Plan QA Monaco®



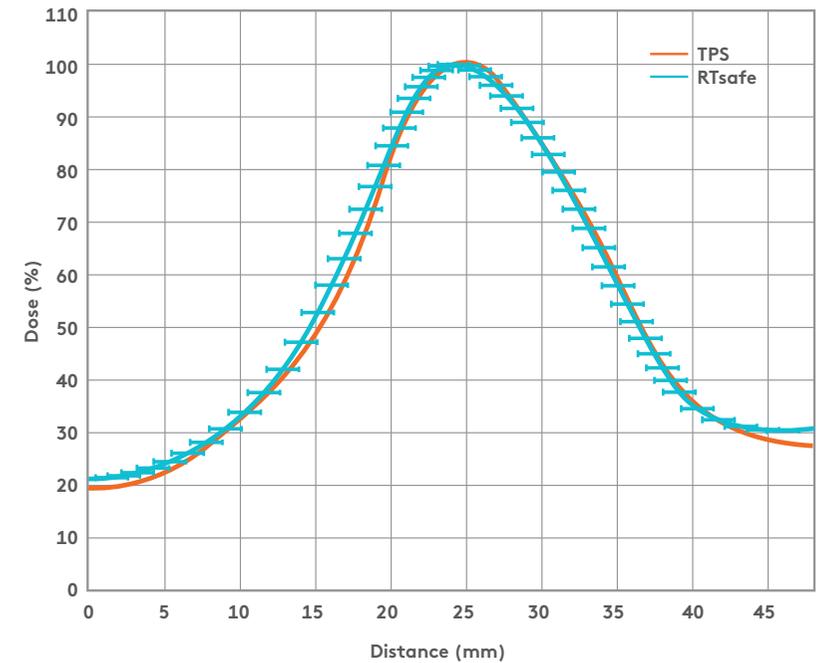
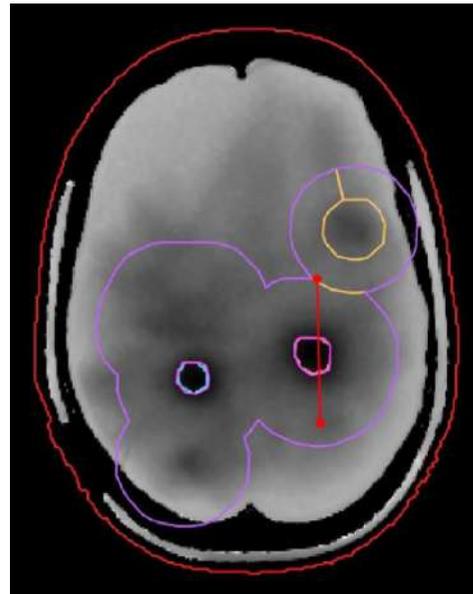
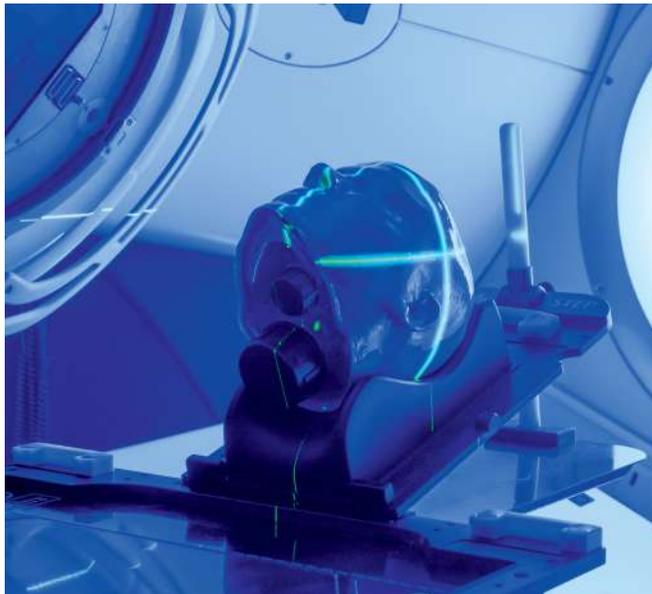
In-vivo patient dosimetry



AQUA—Integrated machine and centralized departmental QA



RTsafe—End-to-end stereotactic assurance



Versa HD

High definition dynamic radiosurgery

“The use of Monaco, with the rapid and accurate Monte Carlo dose calculation algorithm, together with the high available modulation that can be achieved using Monaco and Agility (where the mechanism of the MLC leaves and the dynamic jaws produce a ‘virtual leaf width’ of as little as 1 mm) allows highly accurate dose calculation, even for very small targets (~1.0 cc).”

Lip Teck Chew, PhD, Chief Medical Physicist
Farrer Park Hospital, Singapore



with anatomically guided accuracy

assures end-to-end confidence

“Advanced motion management technologies are critical to facilitate highly accurate and potent stereotactic radiation therapy for early stage, inoperable lung tumors. Versa HD integrates these and other solutions—such as 4D image guidance and sophisticated patient immobilization and treatment planning—into a specialized package for lung cancer. For the patient, it will mean a higher therapeutic dose of radiation to the lung tumor, with reduced exposure to nearby healthy tissues.”

Vivek Mehta, MD, Director

Center for Advanced Targeted Radiotherapies Swedish Cancer Institute, Seattle, WA



“Patients benefit from a really strong quality assurance program: it proves and verifies that the machines are operating as expected; it tests and confirms the safety systems are operational. Knowing the tests are being done, confirming the machine is operating exactly as expected; that gives the team confidence and allows them to push the limits of the technology to really benefit the patient maximally.”

**David Jaffray, Executive VP,
Innovation and Technology**

University Health Network, Toronto, Canada

For almost five decades, Elekta has been a leader in precision radiation medicine.

Our nearly 4,000 employees worldwide are committed to ensuring everyone in the world with cancer has access to—and benefits from—more precise, personalized radiotherapy treatments.



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