Redefining treatment precision, speed and control
Do you have the confidence to increase conformance and speed without compromising target coverage?

Set yourself apart with comprehensive radiation therapy treatment capabilities from Elekta, the innovator in oncology solutions. Built on market-proven, seventh generation digital technology, Elekta Infinity™ redefines treatment precision, speed and control. It is a fully integrated treatment system that allows you to personalize your imaging and treatment workflows. For your patients, Elekta Infinity delivers precision dose conformance, fast treatment speed and ultra-low dose safeguards. For your treatment team, this highly responsive, intuitive treatment system frees you to focus on patients and benefit from efficient workflow. Using Elekta Infinity, the freedom to deliver superior treatment results is now in your hands.
Treatment was delivered perfectly with Elekta Infinity. I can tell you the therapists were absolutely thrilled and immediately had numerous recommendations of patients they thought would benefit from VMAT, and that was based primarily on the time efficiency of delivery.

David R. Asche, MS, Director of Physics and Engineering
RAS Radiation Oncology Centers
Sacramento, CA USA
Outstanding flexibility

Elekta Infinity™ with VMAT gives you the flexibility to dynamically control multiple treatment parameters while the beam is on and rotating. For the first time, you can tailor treatment plans to optimize the dose around a tumor. Elekta Infinity achieves helical-like target coverage with better sparing of surrounding healthy tissue. Elekta Infinity can optimize the accuracy and speed of delivery by simultaneously manipulating the gantry position, gantry speed, MLC leaves, dose rate and collimator angle.

See Before Treating
Elekta VolumeView™ imaging is integrated into Elekta Infinity, enabling you to routinely confirm target and organ at risk positions immediately before treatment. You can quickly confirm size, shape and position of the target volume compared to plan, as well as the position of critical adjacent structures.
Elekta Infinity will give us a competitive advantage over other centers in our area, additionally, the ability to treat with the highest degree of accuracy will benefit our patients tremendously.

Kyle Antes, MS, Director and Chief Physicist
Presbyterian Cancer Center
Dallas, TX, USA

Choose Your Approach
Elekta Infinity offers you a choice – use a single arc or choose multiple arcs to optimize the VMAT plan. For many cases a single-arc VMAT plan may be sufficient to achieve the desired dose distribution. For complex anatomical sites a multiple-arc VMAT plan can deliver superior target coverage while sparing healthy tissue and adjacent critical structures. The clinical advantages of either multiple- or single-arc VMAT deliveries are enhanced by the use of non-coplanar treatment techniques.

Less Overall Radiation
Elekta Infinity with VMAT requires significantly fewer MUs than conventional techniques, reducing total MU delivery by up to 50%. VolumeView™ imaging also delivers high precision localization at ultra-low doses, allowing you to confidently image every day without fear of unnecessary risk to patients.
More quality time

The less time a patient spends on the treatment table, the better. Shorter treatment times not only improve patient comfort, but also reduce the inaccuracies resulting from patient movement during treatment delivery – speed is an essential element of accurate treatment.

<table>
<thead>
<tr>
<th>Typical complex treatment time (minutes)</th>
<th>20</th>
<th>19</th>
<th>14</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional IMRT</td>
<td>Helical IMRT</td>
<td>Elekta VMAT</td>
<td></td>
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</tbody>
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**Totally Targeted Minutes**
Elekta Infinity™ dramatically reduces treatment delivery time – to less than two minutes in some cases and with integrated imaging and highly conformal VMAT delivery, you can perform most treatment sessions in five minutes or less.
Fast and Accurate
Volumetric imaging delivers high-quality images at ultra-low doses, so you can quickly and confidently image every day before treatment. In three minutes or less, you can verify patient position, pinpoint the target and visualize adjacent critical structures. With quick, efficient treatment delivery, patients are less likely to move, which improves accuracy while limiting the whole-body dose of radiation they receive over time.

More Flexible Time
Reducing the time each patient spends in the treatment room increases the opportunity to treat more patients per day. Elekta Infinity gives you the opportunity to bring flexibility to your clinical schedule.

Elekta Infinity™ equipped with Agility™ makes it possible to perform state-of-the-art image-guided treatment for a large variety of patients. The high performance of Agility and VMAT at CVDR not only offers reduced treatment times, minimizing the uncertainties due to interfractional motion, but is also a benefit for increasing patient flow at the accelerator. Patients will also benefit from the more precise adaptation to target volumes and thus increased sparing of organs-at-risk.

Bjarke Mortensen, M.Sc., Head of Medical Physics
Vejle Hospital
Denmark

*Agility is not available in all markets*
Every step enhanced

With ultra-low dose and rapid beam shaping, Elekta Infinity™ delivers radiation only where you place it. And Elekta Infinity protects patients with real-time, point-to-point monitoring. You can be confident of safeguarding surrounding tissue and reducing the risks associated with radiation. Elekta has always focused on optimizing every step of the care process so that you can focus on what matters most - patient care.

We have found that for complex cases the use of multiple arcs allows us to achieve a more uniform dose in the target and enables improved sparing of critical structures.

David Shepard, PhD, Director of Medical Physics
Swedish Cancer Institute
Seattle, Washington

Above All Else – Safety
The integrated beam shaping of Infinity is designed for the needs of modern treatment techniques such as VMAT. It limits interleaf and overall patient plane leakage for lower dose volumes to critical structures. In addition, advanced digital monitoring technology in the Elekta Infinity control system constantly tracks all delivery parameters during treatment. Combined with completely machine-independent verification through MOSAIQ® image-integrated oncology information system (OIS), you can be confident that treatments are delivered exactly as planned.
On Time – Not Overtime
The speed and precision of Elekta Infinity help you complete scheduled treatments on time. All imaging, planning, treatment and OIS capabilities are integrated with Elekta Infinity, enabling your team to quickly and easily move from one step to the next. A built-in workflow manager streamlines treatment sessions, enabling everyone on your team to focus on the patient and treatment – instead of the technology. Now you can go home on time and minimize overtime requirements.

Integrated from Start to Finish
The powerful OIS fully integrates workflow for the entire clinical and administrative staff. This includes comprehensive EMR systems that facilitate communication, increase productivity and elevate efficiency to an entirely new level – from start to finish.
At Elekta, we believe our job doesn’t end with your selection of our products. We are committed to help you in the fight against cancer by providing comprehensive service support packages, upgrade opportunities and a broad range of Training and Education Programs tailored to your organization’s needs both now and in the future.

Elekta Services

Education and Training - Learning for Life

Harnessing innovative, blended learning solutions, Elekta offers flexible, comprehensive programs that support clinical practice, specifically aligned and customized to the needs of your department.

- Over 30 years of global collaborative experience with expert training support teams, clinical consultants and partner sites provides complete clinical confidence
- Strategic, targeted training brings outstanding clinical availability, greater efficiency, competence and quality to patient care
- Understanding your needs and requirements ensures offering you the right training, in the right format, at the right time
- Access to Elekta technical expertise via either our help desks or Elekta IntelliMax™

Some Services may not be available in all markets. Please contact your local Elekta office for more details.
• **Implementation Services** – innovative installation support and commissioning
• **Service & Support Packages** – comprehensive packages tailored to your requirements
• **Remote Services** – increasing clinical availability
• **Quality Assurance** – integrated solutions enhance confidence throughout treatment workflow
• **Upgrades and Accessories** – rapid technology acquisition to extend clinical practice
• **Consulting Services** – audit and advice for improved operational outcomes
• **Financial Solutions** – simplify access and procurement of latest technologies

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Enhanced Clinical Availability

Through combining innovative technology solutions with effective collaborative programs and expertise clinical availability is increased.

- Implementation Services rapidly get your unit to clinical readiness.
- Elekta Remote Services, powered by Elekta IntelliMax, increase servicing efficiency though secure remote access, monitoring, diagnosis and online fix capabilities. Clinical availability is increased without compromising patient confidentiality.
- Planned Maintenance programs, established in collaboration with customers, release significant amounts of machine time, potentially halving the time equipment is offline. More patients can be treated or other activities can be undertaken during clinic hours, thereby best utilizing stretched financial resources.
A human care company, Elekta pioneers significant innovations and clinical solutions for treating cancer and brain disorders. Elekta provides intelligent and resource-efficient technologies that improve, prolong and save patient lives. We go beyond collaboration seeking long-term relationships built on trust with a shared vision, offering confidence to healthcare providers and their patients.