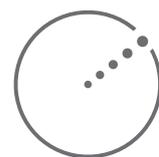


# Elekta Synergy<sup>®</sup>

Digital accelerator for advanced IGRT



*Setting the standard  
for confident care*



ELEKTA

# Is your technology able to grow with your clinical needs?

The field of radiation therapy is constantly changing, and being able to take full advantage of the latest clinical advancements is simple with the Elekta Synergy family. Using leading technology in Image Guided Radiation Therapy (IGRT), Intensity Modulated Radiation Therapy (IMRT) and advanced delivery techniques, this family of integrated digital accelerators is designed to evolve as your clinical practice grows. In everyday clinical practice it means continuous improvement in the clinic's treatment choice, workflows and most importantly patient satisfaction and outcomes.



## *Why Elekta Synergy?*

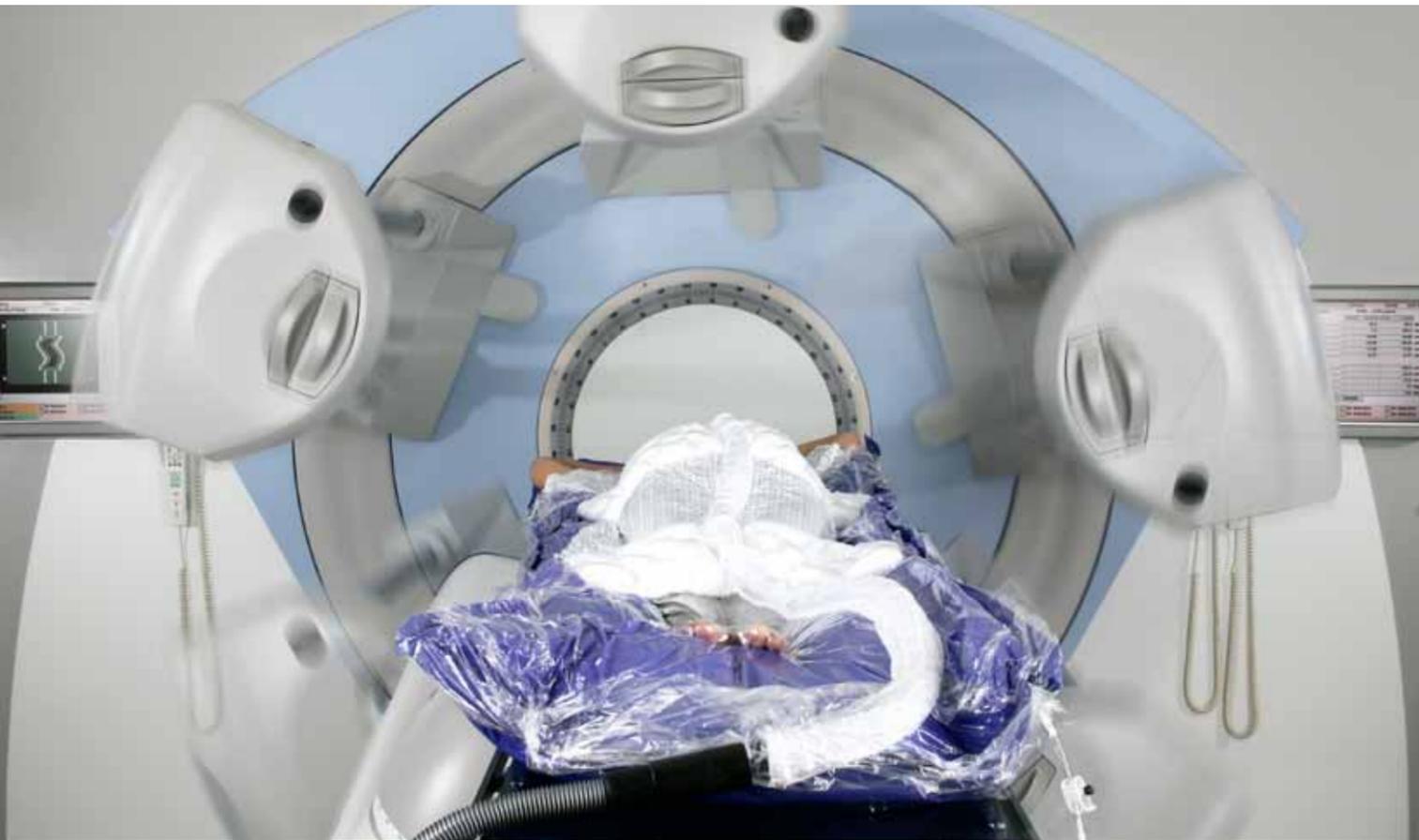
- Accurate dose delivery through integrated digital control
- Choice of high quality imaging modalities
- Supports advanced delivery techniques like VMAT
- Integrated solution to ensure fast patient throughput
- Enhanced dose conformance for individualized patient care
- Easy upgradeability to future-proof your investment
- Largest IGRT field of view. 50 x 26 cm for more soft tissue visualization
- 45 cm isocenter clearance for maximum flexibility in treatment techniques

# Elekta Synergy<sup>®</sup>

## Inspiring clinical confidence

Elekta Synergy was the first advanced digital linear accelerator to introduce soft tissue volumetric Image Guided Radiation Therapy. With a suite of advanced guidance tools, imaging of soft tissue at the time of

treatment allows efficient verification of tumor and critical structure position, providing increased confidence in dose placement.



# Elekta Synergy<sup>®</sup> Platform

## Foundation for the future

As the foundation of the Elekta Synergy family of digital accelerators, Elekta Synergy Platform has been designed to grow with your practice. It introduces real-time patient position verification, to ensure confidence in patient set-up accuracy, and efficient guidance of dose placement.

Through the addition of kV imaging to its current IGRT technology, the Synergy Platform can be easily upgraded to Elekta Synergy, allowing centers to offer a choice of imaging modalities best suited for the patient's need.



# Patient-centric

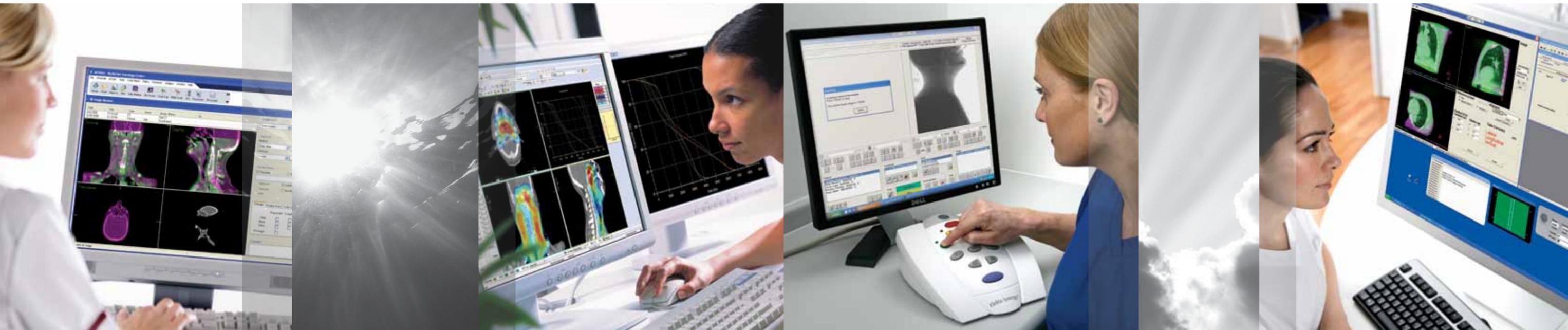
The application of evidence-based medicine allows informed decision making on treatment techniques, outcomes and performance. From patient-centric treatment planning solutions and MOSAIQ®

comprehensive patient management information system, Elekta Synergy® gives users access to the entire Oncology chart in a single integrated solution.

# Unmatched Clinical Confidence

With IGRT becoming an integral part of the standard of care for many patients, Elekta Synergy® not only provides the ability to deliver tailored imaging through a variety of imaging modalities, but includes many unique features,

such as the industry's largest IGRT field of view, that enable you to deliver personalized patient care throughout the entire radiotherapy treatment process.



## Oncology Information Systems

At the heart of Oncology Management, MOSAIQ® image-enabled electronic medical record provides tools to streamline the radiotherapy process as a whole, while delivering secure access to the patient information and images that drive clinical decision-making.

## Treatment Planning

Elekta's patient-centric planning solutions provide a broad range of leading edge applications and comprehensive workflow solutions, supporting the requirement for increasingly tighter coupling between treatment planning, delivery workflow management and review.

## Imaging

For unmatched clinical confidence, Elekta Synergy delivers a choice of 2D MV, 2D, 3D and 4D kV image guidance for visualization and tumor verification. With a suite of advanced image guidance tools, Elekta Synergy provides clinicians with the ability to provide tailored image guidance to meet the needs of each individual patient.

## Image Guided Treatment Management

Through coordinated image guidance and treatment delivery Elekta Synergy® provides a synchronized workflow for Radiation Oncology. Fundamentally image-enabled, MOSAIQ provides the flexible treatment management solution designed to support the complexities of image-guided radiation therapy.

# Digitally Controlled, Clinically Focused

Accuracy and reliability of treatment delivery performance are imperative to be able to deliver individual patient care with confidence. Powered by Elekta's 6th generation of integrated digital control, Elekta Synergy® seamlessly combines advanced

guidance through IGRT with flexible treatment delivery across a wide number of techniques. With the market leading isocentric clearance of 45cm, Elekta Synergy provides significantly more freedom to deliver non-coplanar therapies.

# Flexible Beam Shaping

Supporting the range of treatment delivery techniques, Elekta Synergy supports a range of integrated multileaf collimators, allowing users to choose the beam shaping that meets the need of their clinic. Through innovative

design, Elekta Synergy provides the ability to reduce dose to critical structures while meeting today's clinical desire to deliver higher doses to the target.



## Digital Control

Through simple, intelligent coordination of multiple linac functions, Elekta Synergy is powered by digital control that orchestrates the linac's myriad of operations to ensure that any treatment is delivered safely, accurately, quickly and intelligently.

## Treatment Delivery

Individualized patient care is possible through a range of techniques from 3D conformal techniques, through static and dynamic IMRT to VMAT. With these advanced delivery techniques, you no longer have to choose between speed and accuracy.

## Beam Shaping

With a range of advanced integrated multileaf collimators, Elekta provides excellent beam-shaping capabilities across the range of delivery techniques. Through fully integrated digital control with continuous real-time optical verification, accurate placement of all leaves allows for faster, safer and more accurate delivery.

# Active Motion Management

Delivery of high doses associated with today's radiation therapy techniques requires not only accurate reproduction of patient positioning, but also management of internal patient motion during both

imaging and treatment delivery. Elekta's clinically efficient solutions address the challenges of patient immobilization and actively manage motion, facilitating margin reduction and dose escalation.

# Expanding Clinical Practice

More and more clinics are undertaking practice expansion in stereotactic treatment techniques. Supporting you in this area, Elekta Synergy has been designed to be compatible with the Elekta range of stereotactic

accessories, providing you with the option to introduce stereotactic practice into your clinic simply, efficiently and cost-effectively.



## Motion Management and Patient Positioning

Through a versatile range of positioning and immobilization solutions, optimal treatment setup is achieved through innovative designs which focus on the patient experience as a whole, combining patient comfort, safety and reproducibility.

## Respiratory Motion Management

Addressing target localization associated with respiratory motion management can be challenging. Elekta Synergy's 4D anatomically correlated motion management capabilities allow clinicians to visualize respiratory motion and account for baseline shifts.

## Stereotactic Accessories

With a range of stereotactic accessories, including add-on micro-MLCs, precise, small-field delivery enables implementation of stereotactic radiosurgery and stereotactic radiation therapy.

## Quality Assurance

Completing the picture; Elekta offers a full range of QA tools for fast accurate verification of performance, providing the confidence that treatments are delivered as planned.

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.

[www.elekta.com](http://www.elekta.com)

*Human Care Makes the Future Possible*

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