



Leksell Gamma Knife[®] Lightning

A simple solution for accelerated radiosurgery

The image shows a Leksell Gamma Knife Lightning* device, a specialized medical instrument for stereotactic radiosurgery. It features a large, curved, light-colored protective shield on the left side. A vertical arm extends from the top of the shield, supporting a horizontal gantry. The gantry is equipped with a complex mechanical system of tracks and a small, articulated arm that holds the gamma knife head. The device is set against a dark teal background with a faint, large, stylized lightning bolt graphic. The floor is a dark surface with a grid of light blue lines.

Leksell Gamma Knife® Lightning*

A simple solution for accelerated radiosurgery

Leksell Gamma Knife[®] powered by Lightning



The next-generation treatment optimizer, helping you achieve the full potential of Leksell Gamma Knife

- First treatment optimizer that introduces a highly efficient beam-on time reduction
- Completely integrated and compatible with Leksell Gamma Knife[®] Icon[™] and Perfexion[™] for a robust and reliable performance
- Ensures consistent, simplified and repeatable planning



Sjölund, J., Riad, S., Hennix, M. and Nordström, H. (2019), A linear programming approach to inverse planning in Gamma Knife radiosurgery. Med. Phys., 46: 1533-1544. doi:10.1002/mp.13440

Accelerated and automated workflow



Now it takes less than a minute to create a plan that

- Potentially reduces beam-on time up to 50%
- Treats multiple targets and controls dose to OAR
- Optimizes dose based on differing constraints

”The future is maximum plans with automation and that’s what we are getting with Lightning”

Dr. Arjun Sahgal, Radiation Oncologist, Sunnybrook Health Sciences Institute, Canada



Quality assured

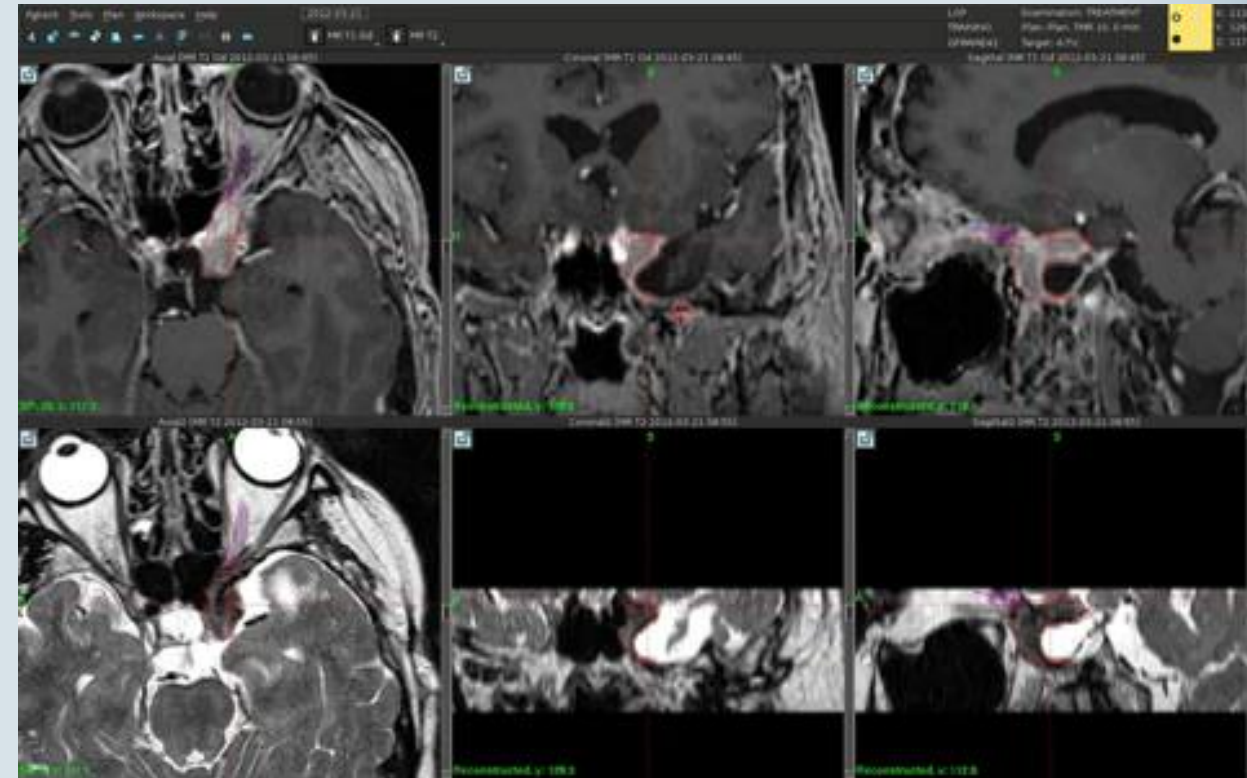


Treatment plans by Lighting are

- Simple to create
- Consistent
- High quality
- Repeatable

"We are getting high quality plans, maximum sparing of organs at risk and essentially I have been so pleased with the quality of plans that I am ready to implement this now."

Dr. Arjun Sahgal, Radiation Oncologist, Sunnybrook Health Sciences Institute, Canada



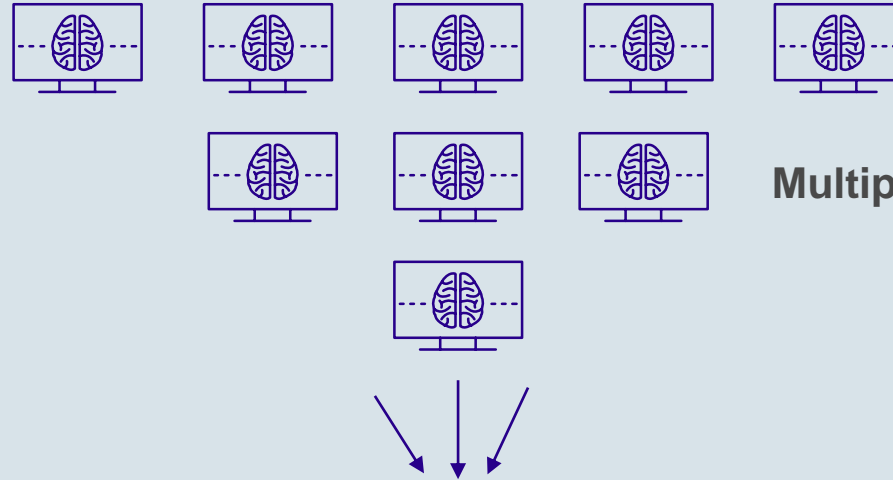


Operationally efficient program

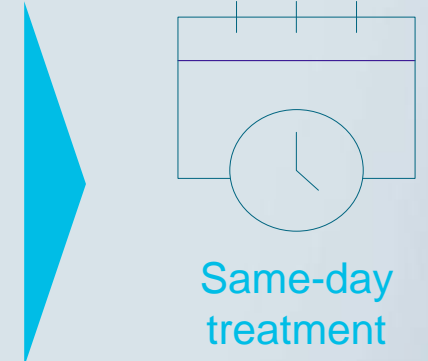
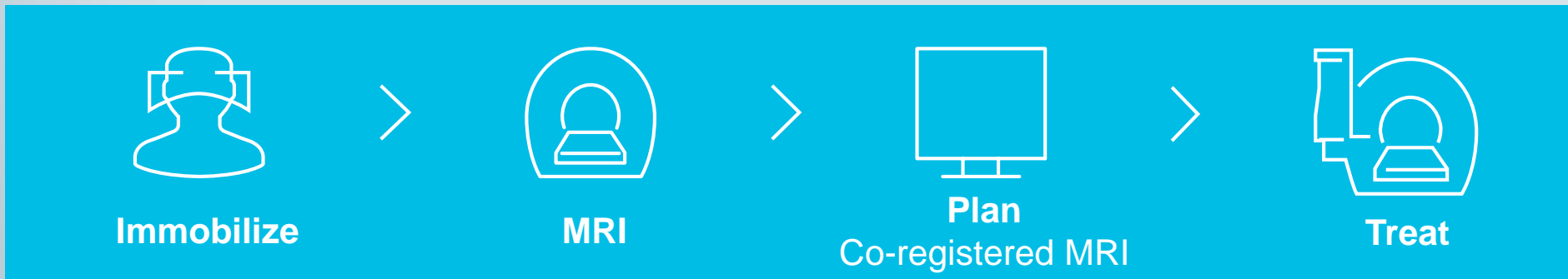
Fast enough to support same-day SRS procedures

Robust enough to support **>800** procedures per year

Easy enough to learn in half a day



Multiple plans in a few seconds





Installation and training



Installation

Upgrade to Lightning and Leksell GammaPlan 11.3 and Lightning can be done during the course of a regular product maintenance visit.



Training

- Live virtual classroom training by Elekta's application specialists
- Online courses with self-directed learning material

Elekta Care™ Platinum entitling you to Leksell Gamma Knife® Lightning

With an Elekta Care Platinum service contract, all the benefits of Leksell Gamma Knife Lightning*, will be available to you at **no extra charge**.

Elekta Care Platinum offers you new licensable software modules including Leksell Gamma Knife Lightning and Leksell GammaPlan 11.3.

In addition to an array of value added benefits that are offered with the Elekta Care Platinum contract, Leksell Gamma Knife Lightning offers you the benefits of:

- Potential beam-on time reduction by up to 50%
- Simultaneous dose control to multiple targets and organs at risk
- High quality conformal treatment plans in less than a minute

Elekta Care PLATINUM



**Complete service
coverage for
maximized system
uptime, optimized
use and total control
over lifecycle costs**



Thank you

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