

Leksell Gamma Knife® Introductory Course

Article No : 1549404

Objective

To introduce clinicians to Gamma Knife® surgery with Leksell Gamma Knife® . The course will focus on clinical information, combined with radiation physics, dosimetry, stereotactic imaging, quality assurance (QA), technical information and treatment planning using Leksell GammaPlan®. Introduction to workflows with Leksell Gamma Knife® ; demo and hands-on.

(Use same Part number for all Leksell Gamma Knife models)

Content

Leksell Gamma Knife® Icon™

Clinical program with lectures covering established indications for Gamma Knife surgery

- Patient selection and teaching cases
- Observation of patient treatments

Introduction to Leksell Gamma Knife® Icon™ incl. hands-on sessions;

System overview incl. Stereotactic Cone Beam Computer Tomography (Stereotactic CBCT) and High Definition Motion Management System (HDMM System), Frame based and frameless techniques, Treatment Delivery Evaluations, Radiation Unit, Patient Positioning System, Control System

-Practical workflow sessions

-Demonstrations of Clearance, Radiation Safety and Emergency Procedures

-Quality Assurance.

- Basic radiation physics, basic radiobiology, calibration, imaging modalities
- Introduction to treatment planning with Leksell GammaPlan incl hands-on sessions;

- Basic workflow

- Dose Evaluation and Algorithms

- Patient Specific Dosimetry

Comparison of dose plans

Evaluation of dose plans

- Advanced features

- Administration

Leksell Gamma Knife Perfexion

To introduce clinicians to Gamma Knife® surgery with Leksell Gamma Knife Perfexion. The course focuses

on clinical information, combined with hands-on sessions using Leksell GammaPlan®. Experts with years of experience from Gamma Knife surgery are selected to lecture on this course.

-The principles and practice of stereotaxy and radiosurgery

- Principles of frame application

- Patient selection and teaching cases

- Clinical program with lectures covering established indications for Gamma Knife surgery

- Observation of patient treatment

Introduction to software



- Introduction to software

- Hands-on sessions on Leksell GammaPlan treatment planning

- Quality Assurance

Training centres and duration

4-5 days course arranged by Elekta in collaboration with a Gamma Knife Center (Academic Partner).

4-5 days course held at various hospitals.

Target group

Neurosurgeons

Radiation Oncologists

Neurologists

Neuroradiologists

Medical Physicists

Further information

For more information regarding the various training centers please contact:

Global Learning Partnerships within Global Education & Training

Email: globallearningpartnerships@elekta.com