

Leksell SurgiPlan®

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Leksell SurgiPlan® is an advanced image-based neuro-surgical planning software, specifically designed for use with Leksell Stereotactic System®.

The modular design of Leksell SurgiPlan is designed to meet specific needs.

All combinations start with the **Stereotactic Planning** module that provides a wide variety of features to plan the surgical approach.

With its powerful Linux-based operating system and flexible pre-planning capabilities, it offers neurosurgeons a greater degree of freedom and precision in planning and evaluating different surgical approaches.

This easy-to-learn package plays an important role in smoothing workflows, improving clinical outcomes and enhancing the cost-efficiencies of treatment.

Leksell SurgiPlan® includes measurements functions, target localization, 3-D path planning and stereotactic fusion for stereotactic surgery with Leksell Stereotactic System®.

- Graphical user interface is designed for ease-of-use, optimized for image display on screen and provides updates in real time.
- Path can be planned and manipulated across different views with immediate update. Paths can be displayed along the probe's eye view or parallel with the probe.
- Software is compatible with MR, CT and angiographic images.
- Includes stereotactic image fusion, that enhances the definition of the target by enabling two stereotactic image studies of different modalities to be blended.
- Advanced 3-D rendering helps visualize patient data.
- Targets can be easily defined with the semi-automatic outline function, which also allows for complex non-continuous regions.
- Alternative approaches and multiple paths can be easily simulated and evaluated, and can be simultaneously displayed on all open images and reconstructions.
- The stereotactic coordinates for any selected point or path are determined and displayed. Lengths can be measured and measurement overlaid on the images.
- Planned parameters are summarized in a treatment protocol together with patient data and a wire frame skull display.