

BRAINSUITE® iMRI – CLINICAL AND ECONOMIC BENEFITS

CLINICAL BENEFITS

Enhancing the Quality of Surgery

Real-time feedback through intra-operative MRI enhances the quality of surgery. The high-field iMRI system facilitates fast image acquisition, a large field of view, and superior image quality. The seamless integration with navigation links the intra-operative images with the spatial position of the surgical instruments relative to the patient's anatomy, providing the ultimate level of accuracy in image-guided surgery.

Excellent Research Capabilities

The high-field iMRI system provides excellent research capabilities, allowing the development of new surgical techniques. Next to all common imaging sequences, the high-field iMRI also supports Functional Imaging, MR Angiography, MR Spectroscopy, and Diffusion Tensor Imaging.

Advancing Clinical Workflows

Integrated design of the finest medical devices guarantees simplified clinical workflows. The room and device layout, including the position of the OR table, anesthesia and microscope are all carefully planned, making the workflow for the entire OR team as smooth as possible.

Enhancing Surgical Decision Processes

Access to and advanced visualization of all relevant clinical data facilitates an enhanced surgical decision process. All relevant data, like information of the PACS, pre-, intra- and postoperative patient data, and all available video signals can be displayed clearly visible for the entire OR team on the Data Billboard. As the operating field is situated outside the 5 Gauss line, the surgeon can operate with standard surgical instruments. The surgeon can therefore operate with the instrument he is used to. This also results in significant cost savings, as MR compatible instruments are expensive and not as durable as standard instruments.

ECONOMIC BENEFITS

Improving the Strategic Position of the Hospital

BrainSUITE® iMRI provides a great opportunity to improve a hospital's strategic positioning and status. This is reached through patient marketing programs and by attracting and retaining key surgeons to build a high-end neurosurgical program.

Reimbursement Through Diagnostic Scanning

Creating a liaison between neurosurgery and radiology and considering patient traffic in the layout planning phase allows to create reimbursement scenarios by using the 1.5 T MRI system for diagnostic scanning.

Strong Partners for Investment Protection

With a strong commitment to innovation BrainLAB and Siemens are reliable partners, protecting your investment for the years to come.

Reduction of Re-operation and Recurrence Rates

Higher quality of surgery reduces re-operation and recurrence rates. This reduces hospital stays and contributes to overall health care cost savings.

Rapid Implementation and Minimized OR Downtime

Following preparation of the designated space BrainSUITE iMRI can be installed and fully functional within three months. The rapid implementation results in predictable and minimized costs. The pre-tested turnkey concept and a dedicated experienced installation team guarantee that the OR downtime is as short as possible.

Minimized Acquisition and Coordination Efforts

The turnkey solution concept minimizes coordination efforts for the hospital. Closing only two purchase orders with BrainLAB and Siemens reduces acquisition time and cost.