

# Intraoperative MRI

Informed Decisions. Increased Confidence.



Brainlab Automatic Image Registration is the fundamental technology for high-precision surgical navigation from start to finish. It integrates intraoperative MRI and navigation for more informed decision-making while maintaining system integrity.

## Instant Resection Verification

Automatic Image Registration adds intraoperatively acquired MR images to surgical navigation while maintaining the preoperative surgical plan. This updated registration compensates for potential loss of navigation accuracy and allows for instant resection verification during surgery.

- Integrated MR data transfer and automatic marker detection
- Fast and accurate image registration
- Eliminates need to access anatomical landmarks
- Allows for immediate quality control and navigation on up-to-date images

## Automatic Registration Hardware

The Brainlab registration matrix with integrated MR markers is designed for use with a 3-pin skull clamp and therefore does not compromise standard patient positioning. Full integration of MRI and O.R. tables from various manufacturers offers hospitals maximum flexibility and workflow efficiency in cranial procedures.

- Simplified registration matrix design for uncomplicated setup
- Location of matrix below patient head and near isocenter improves registration accuracy
- Compatible exclusively with DORO LUCENT® iMRI Headrest System by pro med instruments, a part of the Black Forest Medical Group
- Compatible with state-of-the-art MRI scanners and O.R. tables