Integration with Neuronavigation System - Intraoperative Live Imaging

Neurosurgery is fluctuating by nature. A preoperatively acquired data set may be outdated only minutes after surgery begins due to various associated factors. Intraoperative updates of data are essential in neurosurgery. While most preoperative images are either CT or MR, data sets may also be updated using intraoperative ultrasound. Brainlab ultrasound integration features live anatomical images that are overlaid directly onto preoperative data. www.brainlab.com

Real Clinical Impact with Digital Intraoperative Neurosurgical Imaging

• Superior, detailed images for precise neurostructural imaging
• Clear, sharp images of the brain and spinal cord
• Digital connection to Brainlab Neuronavigational system
• Real time ultrasound images on preplanned CT/MRI
• Overlay of ultrasound gives brain shift information
• Compatible with modern sterilisation techniques
Advance Diagnostic Confidence with Premium Neurosurgical Imaging
High-end neurosurgical imaging with fully featured premium performance ultrasound system

Premium Performance, Exceptionally Intuitive System
- Superior, detailed images for precise neurostructural imaging
- Clear, sharp images of brain and spinal cord
- Real-time image guidance
- Clinically intuitive – easy-to-use
- Small system footprint for added OR convenience
- Up to 4 hours of plug-free imaging

Unmatched Transducer Function and Design
- High resolution craniotomy and burr-hole transducers
- Built-in control button
- Easy to use, comfortable to hold
- Compatible with modern sterilisation techniques

Convenient, Disposable Needle Guides
- Easy to use – needle guide just snaps on and off
- Easily detachable – needle and shunt stay in place
- One patient, one guide – sterile and ready-to-use

Digital Connection to Brainlab Neuronavigation System
- Overlay of ultrasound gives brain shift Information
- Real-time ultrasound images on pre-planned CT/MRI
- Neuronavigation gives transducer orientation information
- Integration for high quality digital 3D ultrasound images

Real Clinical Impact with High Resolution Imaging

Large brain tumor evaluated during surgery using craniotomy transducer
Parasitic brain cyst in coronal plane – using craniotomy transducer
Parasitic brain cyst in sagittal plane – using craniotomy transducer
Intraoperative imaging of spinal tumor in transverse plane using craniotomy transducer
Puncture and drainage of intracerebral abscess
Malignant brain glioma