The New Gold Standard in Neurosurgical Ultrasound

Real Clinical Impact with High Resolution Neurosurgical Imaging

- Premium Performance Neurosurgical Imaging
- Exceptionally Intuitive System
- Unmatched Transducer Function and Design
- Convenient, Disposable Needle Guides
- Connection to Brainlab System*
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

![Extremely maneuverable and easy to use](image)

**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 sterilization techniques

![Small high resolution burr-hole transducer](image)

**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

![Easy to use disposable needle guides](image)

**Connection to 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 ultrasound images

![Ultrasound reconstruction view with overlay](image)
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
Acoustic and Clinical Innovators for Over 30 Years
Recognized as a global leader in the development of ultrasound systems designed for surgery, urology and anesthesia, BK Ultrasound offers a versatile range of state-of-the-art imaging systems, technologies and dedicated transducers to help enhance diagnostic confidence and advance the care of patients.

Integration with Neuronavigation System

1 Navigation screenshot courtesy of Università degli Studi di Milano, Italy