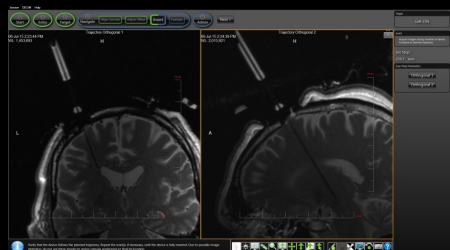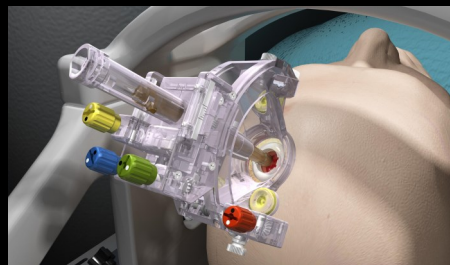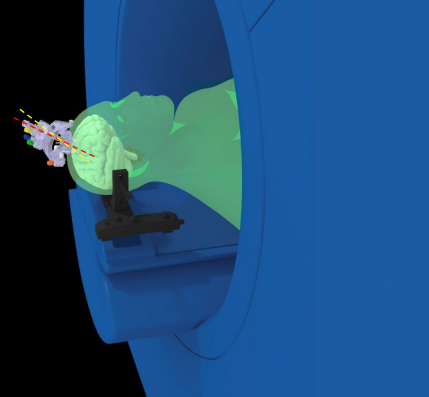# CLEARPOINT®
Neuro Navigation System

The ClearPoint® platform provides real-time intraoperative MRI visualization for minimally invasive neurosurgical procedures. The ClearPoint system's integrated software and SmartFrame® trajectory control provide a very high degree of precision and accuracy, streamlining traditional stereotactic procedures.

Platform for Multiple Procedures. The ClearPoint platform enables the delivery of a wide range of therapies for a variety of neurological diseases and disorders by aiding in the precise placement of:

- Electrodes
- Laser Ablation Catheters
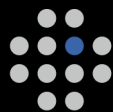- Drug Delivery Catheters
- Biopsy Needles

Minimally Invasive. The ClearPoint system enables minimally invasive, frameless procedures through burr hole or twist drill access for improved cosmesis and patient comfort.

Flexible Platform. The ClearPoint system easily integrates with a hospital's existing 1.5T and 3T diagnostic or intraoperative scanner. This allows minimally invasive neuro procedures to be performed with real-time MRI imaging versus historical images which may be subject to Brain Shift.
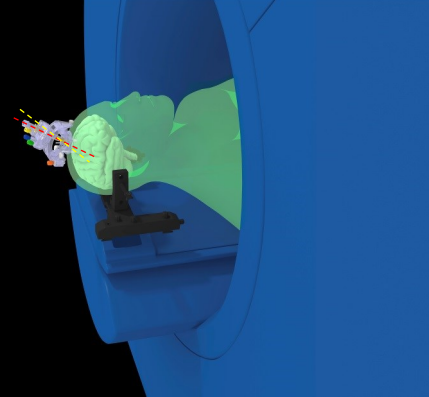
Streamlined Workflow. The ClearPoint system eliminates the need to transport a patient from an Operating Room to the MRI. With the ClearPoint System, interventional neuro procedures can be done entirely within the MRI suite, resulting in a streamlined workflow, and the elimination of patient transport through the halls of the hospital.

Precise-Accurate-Frameless

MRI INTERVENTIONS

CLEARPOINT®
Neuro Navigation System

- Minimally Invasive

- Real-Time Target Visualization and Navigation

- Frame-Less

- Pre-Surgical Planning and Surgical Procedure All Performed in a Single Setting
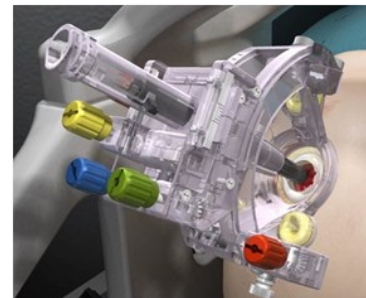
- Precise & Accurate

- Increased Workflow Efficiencies Allows Hospitals to Treat More Patients

- Fully Integrated yet Portable System

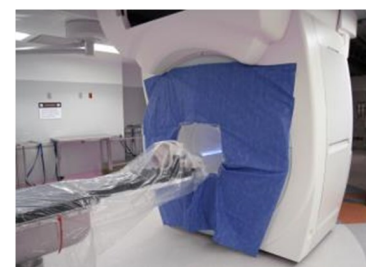## *Simplifying Stereotactic Procedures*

SmartFrame and SmartFrame XG - Miniature, adjustable, skull-mounted or scalp-mounted stereotactic trajectory guides. Four degrees of freedom, large range of motion, and slim profile allow two frames to be mounted simultaneously allowing for bilateral procedures.

ClearPoint Software - Intuitive, menu-driven software for surgical planning, navigation to target, and device delivery. The software and workstation utilize intraprocedure MR images and coordinates from the scanner which provide navigational instruction to reach the desired target with a high degree of precision.

ClearPoint MRI Neurological Draping System provides a sterile barrier in any diagnostic or intraoperative MRI scanner from start to finish reducing risks associated with patient transport.[1]

ClearPoint Hardware - A variety of fixation frames are available for all major scanner manufacturers, each allowing for flexibility in patient positioning.

1. The MRI Neurosurgical Drape received 510(k) clearance intended "to provide a sterile, disposable covering of the MRI scanner during surgical procedures conducted under MRI imaging"

MRI INTERVENTIONS