AUTOMATIC IMAGE REGISTRATION

19102 | IMRI REGISTRATION MATRIX FOR NORAS HEADHOLDER
Registration Matrix Element - MR Marker and IR Marker Holder
Designed for Noras MR Headholder System for the use of AUTOMATIC IMAGE REGISTRATION in an iMRI:
- Siemens Verio 3T 70cm
- Siemens Espree 1.5T 70cm
- Philips Achieva 1.5T 60cm
- Philips Achieva 3T 60cm

19105 | STERILIZATION TRAY FOR IMRI REGISTRATION MATRIX FOR NORAS HEADHOLDER
Sterilisation tray for sterile parts of the registration matrix

19141 | ICT ADHESIVE FLAT MARKERS FOR CT SCANNER
Markers to calibrate CT Scanner (one side).

19142 | REFERENCE UNIT DRAPELINK FOR IMRI
Two radiolucent reference arrays and interconnectors for intra-operative imaging.
- Reference array remains in place for imaging
- All components are MR conditional and sterilizable
- Requires: Art. 19142-05 STERILIZATION TRAY FOR REFERENCE UNIT DRAPELINK IMRI

19143 | ADHESIVE FLAT MARKERS FOR ZEEGO
Adhesive markers attached to 3D rotational angiography system hardware to calibrate and register Zeego. This enables Automatic Image Registration of the Brainlab navigation with Zeego.
19148 | ICT SCANNER CALIBRATION PHANTOM
The calibration phantom is used by the Brainlab service engineer to calibrate the CT scanner for the automatic image registration. It is also used to verify the accuracy of the calibration on a routine bases.
• Interface for VECTORVISION REFERENCE ARRAY RADIOTRANSLUCENT
• Notches for easy verification of the registration accuracy
• Reference lines for easy alignment with the CT laser markers
• Includes VECTORVISION REFERENCE STAR RADIOTRANSLUCENT
• Includes CALIBRATION PHANTOM CT CASE

19202 | IMRI REGISTRATION MATRIX FOR GE HEADHOLDER
Registration Matrix Element - MR Marker and IR Marker Holder.
Designed for:
• Mayfield MR/X-Ray Headholder (A-1117) (marketed as GE Headholder)
for following GE iMRI Scanners:
• Signa HDx 1.5 T and 3T MRI
• Optima MR450w 1.5T 70cm
• Discovery MR750 3T 60cm

19131-01 | INTRAOP IMAGING STORAGE BOX FOR UNSTERILE PARTS
(25X21X11CM)

19142-05 | STERILIZATION TRAY FOR REFERENCE UNIT DRAPELINK
IMRI
Sterilization tray for reference arrays and interconnectors of "Reference Unit Drapelink for IMRI" (Brainlab article 19142)
19145-01 | REFERENCE ARRAY INTRAOP IMAGING CRANIAL
Single radiolucent and MR compatible reference star (spare part).

19145-02 | CONNECTOR INTRAOP IMAGING CRANIAL
Single radiolucent and MR compatible reference interconnector (spare part).

19145-03 | STERILIZATION TRAY REFERENCE ARRAY AND INTERCONNECTOR INTRAOP IMAGING
Steritray for iOP imaging. For use in storing and sterilization of components. Designed to fit 2x 19145-01 and 2x 19145-02.

19146-01 | HEADHOLDER ADAPTER FOR DORO AND MAYFIELD
Radiotranslucent adapter to fix the reference array to the Mayfield Radiolucent Skull Clamp (A-2002) (Integra Lifesciences Corp.) or Doro Radiolucent Skull Clamp (Pro Med Instruments).
• directly connects to saw tooth interface of headclamp
• Fully CT compatible
• MR conditional
• Allows for reproducible positioning of the reference array
• Head holder adapter can be easily attached to the head holder
• Design allows for high flexibility in positioning of the reference array
• Not compatible with customized "Mayfield Head Clamp" supplied by Maquet
• REQUIRES REFERENCE ARRAY IOP IMAGING KIT - SHORT(Article No. 19130) or REFERENCE ARRAY IOP IMAGING KIT(Article No. 19145)
19146-02 | INTRAOP IMAGING STORAGE BOX FOR UNSTERILE PARTS (36X22X8CM)

19147-06 | RADIOLUCENT ADAPTER FOR DORO SKULL CLAMP
Radiotranslucent adapter to attach a Brainlab reference array to a DORO Skull Clamp.
- CT compatible
- MR conditional
- Easy and flexible attachment to the head holder rail
- Compatible with DORO Skull Clamp Radiolucent (pro med instruments GmbH)

19147-07 | RADIOLUCENT ADAPTER FOR MAYFIELD SKULL CLAMP
Radiotranslucent adapter to attach a Brainlab reference array to a "MAYFIELD Radiolucent Skull Clamp".
- CT compatible
- MR conditional
- Easy and flexible attachment to the head holder
  - Compatible with following Skull Clamps from Integra LifeSciences Corp.:
    - MAYFIELD Maquet Radiolucent (A-1005)
    - MAYFIELD XR2 Radiolucent (A-2079)
    - GE MR Compatible Skull Clamp (A-1117)

19202-30 | STORAGE CASE FOR IMRI REGISTRATION MATRIX FOR GE HEADHOLDER
Storage case for IMRI Registration Matrix (of the GE head holder)

IGS DISPSABLES
16123 | CAMERA HANDLE DRAPE (200 PCS.)
Sterile drape for the camera handle enables sterile re-positioning of the camera
- sterile
- single use only
- double packed to allow easy sterile handling
- Compatible with VV² and VVC and Curve
18911 | DISPOSABLE STERILE RADIOLUCENT SKULL PINS (36 PCS)
Sterile Radiolucent Skull Pins are designed for the fixation of a compatible head-holder unit to the patient’s skull. This allows the fixation of the head and neck during craniotomy and subsequent neurosurgical procedures.
- Reduces the incidence of artifacts in images acquired intra-operatively
- For intra-operative CT, MRI (up to 3 Tesla) and Fluoroscopy
- 3 pins per blister (12 blisters per box)
- Delivered sterile for immediate use
- Not suitable for children under the age of five years
Compatible with following head holders:
- Integra Lifesciences Corp. MAYFIELD® Radiolucent Skull Clamp (REF# A-2002)
- DORO® Skull Clamp Radiolucent (REF# 3034-00)
- Integra Lifesciences Corp. MAYFIELD® Infinity XR2 Radiolucent Skull Clamp (REF# A-2114) only when used with the XR2 Metal-Free Conversion Accessory (REF# A-1092)

41774 | DISPOSABLE REFLECTIVE MARKER SPHERE (270 PCS)
From NDI, the authorized Brainlab partner for disposable reflective marker spheres. Approved by Brainlab, for use with all Brainlab IGS systems. Localization sphere coated with IR-light, retro-reflective foil:
- Single use, ethylene oxide (ETO) pre-sterilized
- 90 units with 3 spheres per unit
- Increased OR efficiency due to omission of sterilization

54270 | DISPOSABLE STERILE TOUCHPENS (24 PACKS A 5 PCS)
Disposable sterile touchpens to control touchscreen displays.
- Quantity: 24 packs a 5 pcs
- Disposable item

INTEGRATED 3RD PARTY PRODUCTS

19198 | VIDEO EXTENSION UNIT
With the Video Extension Unit, signals from Brainlab surgical navigation and any connected imaging device such as microscope, ultrasound, endoscope, 2D C-Arm, OR-light camera or room camera can be managed and routed to up to three independent displays.
- Supports eight external digital or analog inputs with up to full HD resolution
- Supports three video outputs with up to full HD resolution
- Video input formats: S-video, Composite, 3G-SDI, DVI, VGA, SOG/RGsB, RGBS, YPbPr
- Video output format: DVI/SDI