

The ClearPoint® System Initial Site Analysis:

# Appendix 1:

# ClearPoint OR Resources



# CLEARPOINT<sup>®</sup> NEURO

## MRI Checklists for All Personnel

### MRI Checklist:

	Confirm patient does not have a VNS implant
	ClearPoint staff confirms network connection and retrieves preplanning imaging using patient's most recent MRI study with contrast if available
	QA scans done morning of using pre-approved flex coil (and IMRIS extension if IMRIS)
	Confirm terminal is clean & room is swept and clean: If in diagnostic scanner, let cleaning team know ahead of time – terminal clean will need to be done early in the morning of, or evening prior to surgery
	Ports/coils connections covered on scanner table to protect from fluid
	Patient MRI metal checklist done
	ClearPoint staff present, system checked (network connection), scanner working, and intercom working
	Headframe, coils, and ClearPoint stick for draping present (if applicable)
	ClearPoint protocol pulled up and ready for first scan with patient registered on MRI scanner with proper patient orientation
	If required, contrast ready to be used for first volumetric T1 scan (with 3D correction ON)
	Patient ear plugs in and cuff tapped
	Patient pinned using MRI compatible pins
	ETT and lines tucked; taped and confirmed at isocenter before patient moved to back edge of bore

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## Anesthesia Checklist:

	Anesthesia monitors working, cart stocked, and gases & ventilator working
	Patient asleep and intubated; two sets of extension tubing needed as patient will be at the back of the bore for majority of case
	A-Line placed (if requested by surgeon and anesthesia; advised for LITT cases)
	Batteries for monitors fully charged with backups charged and ready (further discuss with MR team)
	Make sure all personal metal is removed from body and remains outside room for duration of procedure
	Inflator cuff should be taped to the endotracheal tube
	If positioning prone, discuss use of bite guard and eye protection
	Effort is made to have minimal contact between monitoring wires and the skin; wires should run in a straight line without loops towards the patient's feet and as close as possible to the center of the bore to prevent burns
	Line used for injection of contrast is easily accessible
	As MRI checklists are complete, the patient will be moved into the MRI suite; the anesthetic circuit is disconnected for the move and then reconnected to MRI compatible machines – Circuits must be long enough
	Discuss with surgeon when antibiotics should be administered
	ETT and lines tucked and taped

## Surgery Checklist:

	Case cart present and stocked with instruments present and sterile: Stryker drill (DBS), suction with tubing (DBS), Lidocaine, bipolar and cord (DBS)
	Confirm present: Mayo stand, garbage can, mobile light, stepstool
	Prep area setup outside of MRI for pinning, include pins and tool for shaving if applicable
	ClearPoint and lead/laser supplies present and in code
	IMRIS: Power screwdriver and proper bit present <ul style="list-style-type: none"> <li>• IMRIS LASER: Power drill ready/available</li> <li>• IMRIS DBS: Stryker drill or perforator ready/available (pending surgeon preference)</li> </ul> DIAGNOSTIC DBS: Stryker drill sterile/present, nitrogen tank present/full, drill tested/working, suction tubing, bipolar and extension cord
	Compression stockings, socks, SCDs on
	Foley (metal clip removed)
	Patient transferred to MRI table
	MRI-compatible temperature probe placed

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## DBS Workflow & Product Knowledge

### ClearPoint Product:

<b>Marking Grid</b>	Prep, drape, and <b>apply marking grid(s)</b>
<b>Bass Mount (Scalp/Skull)</b> <b>SmartFrame</b> <b>Hand Controllers</b> (if applicable) <b>*Open lead securing device*</b>	<p><b>SCAN:</b> Volumetric scan (~5 to 8 minutes) Post scan Post scan <b>TIME TO SET UP:</b> Drill, suction, bipolar Surgeon to begin initial planning</p> <p><b>Awl marks;</b> remove grids for incision</p> <p>Complete 14mm burr, Pac-man tested, and fits properly in Stimloc (dura open or close)</p> <p><b>Mount base(s) and frame(s)</b> and align by hand to get close; attach hand controller if applicable</p> <p><b>IMRIS SETUP:</b> Power screwdriver and proper bit present</p>
<b>Accessory Kit</b> <b>*Lead(s)*</b>	<p><b>SCAN:</b> T1 frame scan (~5 to 8 minutes) followed by targeting scans (~7 to 10 minutes); Confirm trajectory</p> <p>Alignment scans and adjustments complete (Series of short scans: ~4 minutes between each adjustment)</p> <p><b>Measure and mark ceramic stylet</b> (complete while running set of scans can save time)</p> <p><b>Insert ceramic stylet</b> and scan to confirm placement</p> <p><b>SCAN:</b> T1 Volumetric Evaluation Scan (5 to 8 minutes) – Measure and insert lead through peel-away sheath</p> <p>MRI Verification of placement (if viable)</p> <p>Lock down lead, remove peel-away sheath, and secure lead with Pac-man and cap</p> <p>Remove frame and close</p> <p>Patient out</p>

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# Laser Catheter Placement Workflow & Product Knowledge

## ClearPoint Product:

<b>Marking Grid</b>	Prep, drape, and <b>apply marking grid(s)</b>
<b>Scalp Mount Base</b> <b>SmartFrame XG</b> <b>Hand Controllers</b> (if applicable)	<p><b>SCAN:</b> Volumetric scan (~5 to 8 minutes) - Surgeon to begin initial planning</p> <p><b>Mount base(s) and frame(s)</b> and align by hand to get close; attach hand controller if applicable</p> <p><b>IMRIS SETUP:</b> Power screwdriver and proper bit present</p>
<b>Twist Drill and Bits</b> <b>3.4mm WHITE Guide Tube</b> <b>4.5mm GREEN Guide Tube</b>	<p><b>SCAN:</b> T1 frame scan (~5 to 8 minutes) followed by targeting scans (~7 to 10 minutes); Confirm trajectory</p> <p><b>TIME TO SET UP:</b> Twist Drill with smallest 3.4mm bit</p> <p>Alignment scans and adjustments complete (Series of short scans: ~4 minutes between each adjustment)</p> <p>Timeout, Local, <u>incision</u>, and drilling with twist drill</p> <p><b>IMRIS SETUP:</b> Power drill setup/available</p>
<b>Accessory Kit</b> <b>*Laser Catheter*</b>	<p><b>SCAN:</b> Repeat last set of orthogonal sequences to confirm appropriate projected error post drilling; adjust if necessary</p> <p><b>Measure and mark ceramic stylet</b>                  (complete while running scans can save time)</p> <p><b>Insert ceramic stylet</b> and scan to confirm placement</p>
<b>Appropriate Guide or Reducing Tube</b>	<p><b>SCAN:</b> T1 Volumetric Evaluation Scan (5 to 8 minutes)</p> <p>Measure and insert catheter through tower</p> <p>MRI Verification of catheter placement</p> <p>Begin Ablation</p> <p>Remove frame</p> <p>Patient out</p>

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## Safety Time-Out Date:

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Scrub Technician & Surgeon perform back table safety check and verify removal of the following:

	Magnet from needle mat (if using)
	Grounding pad
	25 Gauge needle from local (if opened on field)
	Twist tie from bipolar cord
	Foil from bone way and suture packs
	Instrument basket and stringer

Scrub Technician will safely secure magnet / critical items to remain on sterile field:

	Suture needles
	Safety scalpels
	MRI safety burr(s)
	Stay hooks
	+/- Biocement applicator
	Cranial plating system
	Other:

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## Safety Time-Out Date:

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All staff pat-down and pocket check for:

	Pagers
	Phones
	ID(s)
	Watches
	Hair Clips

All staff check around the patient for removal of:

	Laryngoscope handle and blade
	Angio catheter stylets and needles
	Clipper (head and body)
	Non-compatible monitoring electrodes and devices

All staff check patient for:

	All MRI cables, tubes, wires, and lines-minimal skin contact, straight, no loops
	ET tube cuff taped to the ET tube
	Earplugs
	MRI-compatible temperature probe
	No medication patches
	Metal clamp removed from Foley
	Foley drainage bag secured under mattress

**All non-MRI safe equipment and supplies removed beyond 5 Gauss line.**

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# DBS Electrode Implantation with MRI Guidance Bilateral

## General Information:

**Procedure Name:** BURR HOLEFOR DBS ELECTRODE IMPLANTATION W/ MRI GUIDANCE BILATERAL Online

**Display Name:** (HEAD1137) Burr Hole For DBS Electrode Insertion with MRI Guidance

**Type of Procedure:** Major

## Aliases:

6185, 1863, 61864, 61867, 61868, 70557, 70558, 70559 DEEP BRAIN STIMULATOR

## CPT(R) Code for Billing Purposes:

PRIMPELECTRDS,CORT,DRILL,BURR (61850)

PR IMPLANT NEUROELECTRODE (61863)

PR IMPLANT NEUROELECTRDE, ADD'L (61864)

PR IMPLANT NEUROELECTRODE (61867)

PRIMPLANT NEUROELECTRDE, ADDL[61868] PR MRI BRAIN W/O DYE [70557]

PR MRI BRAIN W/ DYE (70558)

PR MRI BRAIN W/O& W/ DYE (70559)

## Comments:

(GENERIC) Burr Hole DBS Electrode Inst w/ MRI

## Nursing Instructions:

New System: ClearPoint Neuro. Inc. (Previously MRI Interventions, Inc.)

These are usually bilateral cases, thus 3 each of item should be picked on case cart.

Have in the Room: (Should be picked on case cart) - These 4 boxes are bundled together

1. Smart Grid (NGS-SG-01-11) x 3

**SMARTGrid®**

**REF** NGS-SG-01-11 MR Planning Grid

Contents: 1 Marking Grid / 1 Marking Tool  
Inhalt: 1 Markierungsraster/1 Markierungs-Tool **CE** 0344  
Contenido: 1 cuadrícula de marcado / 1 herramienta de marcado  
Contenu : 1 grille de repérage / 1 instrument de repérage  
Contenuto: 1 griglia di marcatura / 1 strumento di marcatura  
Zawartość : 1 siatka do zaznaczania / 1 narzędzie do zaznaczania  
Indhold: 1 markeringsgitter / 1 markeringsværktøj  
Inhoud: 1 markeringsraster / 1 markeringsgereedschap  
Innehåll: 1 Marking Grid / 1 Märkverktyget  
Conteúdo: 1 Grade de Marcação / 1 Ferramenta de Marcação

**LOT** FAYYMMXXX **YY**YY-MM-DD **STERILE** **EC** **REP**

**MD** **MR** **TEX** **R**only

**EC** **REP**

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**CLEARPOINT®**

**SMARTGrid®**

**REF** NGS-SG-01-11 ED-201037 Rev 20 06/2023 MR Planning Grid

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## DBS Electrode Implantation with MRI Guidance Bilateral (continued)

### 2. Smart Frame Trajectory (NGS-SF-02-11) x 3

**S M A R T F r a m e<sup>®</sup> XG**  
with Skull Mount Base

**REF** NGS-SF-02-11

Contents: 1 Stereotactic Frame / 1 Skull Mount Base / 1 Dock / 1 Device Lock / 1 Large Device Lock / 1 Screw Driver / 1 Roll Lock w/washer

See "SMARTFrame XG<sup>®</sup> MRI-Guided Trajectory Frame" for Instructions For Use

**LOT** FAYYMMXXX  
YYYY-MM-DD

**MR** **STERILEEO**

**R** only



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ED-201450 Rev 08 05/2023

**CLEARPOINT<sup>®</sup>**

**S M A R T F r a m e<sup>®</sup> XG**  
with Skull Mount Base

**REF** NGS-SF-02-11

### 3. Smart Frame Accessory Kit (AK-01-11) x 3

**S M A R T F r a m e<sup>®</sup> Accessory Kit**

**REF** NGS-AK-01-11

Contents: 2 Peel-Away Sheaths / 1 Stylet / 1 Lancet / 1 Ruler / 2 Depth Stops

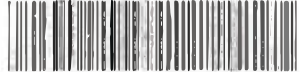
See "SMARTFrame<sup>®</sup> MRI-Guided Trajectory Frame" for Instructions For Use

**LOT** FAYYMMXXX  
YYYY-MM-DD

**R** only **STERILEEO**

**MR**

Stylet/Lancet Diameter 1.5 mm (.060")  
Length 300 mm (11.8")



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ED-201036 Rev 17 05/2023

**CLEARPOINT<sup>®</sup>**

**S M A R T F r a m e<sup>®</sup> Accessory Kit**

**REF** NGS-AK-01-11

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## DBS Electrode Implantation with MRI Guidance Bilateral (continued)

4. Smart Frame Hand Controller (NGS-TE-01) x 3 NEURO OFFICE: SMARTFrame® Thumb Wheel Extension Set

REF NGS-TE-01

CE 0344

Contents: 1 Thumb Wheel Extension Set.  
 Contenido: 1 equipo de extensión de rueda selectora.  
 Contenu: 1 kit d'extension de molette.  
 Contenuto: 1 set di estensione della rotella zigrinata.  
 Inhalt: 1 Daumenradverlängerungssatz.  
 Treść: 1 zestaw przedłużenia z kółkiem obsługiwany kciukiem.  
 Indhold: 1 fingerhjulsforlængersæt.  
 Inhoud: 1 duimwiel-verlengset.  
 Innehåll: 1 forlångningssats för tumhjul.  
 Conteúdo: 1 Conjunto de Extensão do Seletor Rotativo.



See "SMARTFrame® XG MRI-Guided Trajectory Frame" for Instructions For Use.  
 Consulte "Marco de trayectoria guiado por MRI SMARTFrame® XG" para ver las instrucciones de uso.  
 Voir le mode d'emploi du « Cadre de trajectoire guidé par IRM SMARTFrame® XG ».  
 Vedere "Telaio per la traiettoria guidata da MRI XG SMARTFrame®" per le istruzioni per l'uso.  
 Siehe „SMARTFrame® XG MRT-geführter Laufbahnrahmen" für Gebrauchsanweisungen.  
 Instrukcja użycia znajduje się w części „SMARTFrame® XG MRI-Guided Trajectory Frame".  
 Se brugsvejledningen til "SMARTFrame® XG MRI-Guided Trajectory Frame".  
 Zie "SMARTFrame® XG MRI-geleid trajectframe" voor gebruiksinstructies.  
 Se "SMARTFrame® XG MRI-styrd kurvram" för bruksanvisningar.  
 Consulte "SMARTFrame® XG MRI-Guided Trajectory Frame" para Instruções de Utilização.

LOT FAYMMXXX      YYY-MM-DD      Rx Only  
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 The Netherlands

CLEARPOINT®

SMARTFrame® Thumb Wheel Extension Set



(01)00850359007171(10)FAYMMXXX(11)YYMMDD(17)YYMMDD  
 REF NGS-TE-01

### 1. Loaner Carbon Retractors-Neuro Office

This procedure is done in the Philips MRI (L314), 3 Tesla magnet on the third floor. It is imperative that staff be trained in MRI safety.

Due to the strong magnetic field, any error could result in serious injury or fatality to the patient or team. Please ask if you are unsure of which safety measures to take.

This magnet is much stronger than the intraop magnet in the OR. Do not assume because you've done cases in the OR magnet that you're savvy to magnet issues in the Philips.

### BEFORE OPENING MRI DOORS ALL STAFF MUST PARTICIPATE IN FOLLOWING CHECKLIST:

- All staff do pat down and pocket check for pagers, ID's, watches, hair clips, wallets, phones, etc.
- Scrub and surgeon verify removal from sterile field of following:
- Magnet from needle mat
- Grounding pad
- 25 G needle
- Twist tie from bipolar cord
- Foil from bone wax and suture packs
- Instrument basket and stringer
- Scrub will safely secure magnetic items to remain on sterile field:
- Suture needled
- Safety scalpel
- MR safe burr

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## DBS Electrode Implantation with MRI Guidance Bilateral (continued)

All staff check patient of removal of laryngoscope, angio stylets, clipper head and body, non-compatible monitoring electrodes and devices.

Secure Foley drainage bag under mattress.

All non-MRI safe equipment and supplies removed beyond 5 Gauss line.

**SAFETY ALERT!!! DURING CASE ALL STAFF DO PAT DOWN AND POCKET CHECK BEFORE EACH RE-ENTRY TO MRI.**

Patient will arrive in preop at 6A, needs IV started and get checked in +MRI screening form to be filled by circulator. The patient will be transported to MRI via gurney, entering through the Interventional Radiology Suite doors. Call for PRO-PACK & O2 tank near end of case to transport patient to PACU. The case will occur in the Magnet suite.

General anesthesia will be induced in Pre-Magnet Suite (L313) behind metal doors that shield the suite from the Magnet suite. Foley placed.

The sterile field will be set up on another plastic gurney in the Pre-Magnet Suite (L313).

All metallic objects will be confined to the Pre-Magnet Suite (L313), AND MUST NEVER GO INTO THE MAGNET ROOM.

-These objects include drills, gas tanks, ALL non-titanium instruments, burrs, magnetic mats, bevises, hypodermic needles, etc.

The scrub and the circulator will do an additional count at the beginning of the case: it will list all of the non-compatible metallic objects.

This count will be rechecked with the attending surgeon and scrub.

After patient is under general anesthesia, patient is moved into magnet suite to begin surgery.

There is a "back room" where the equipment lives: bipolar machine, nitrogen tank. The cords are passed through a hole in the wall. The bipolar pedal is a pneumatic pedal and has a dual end, but it doesn't matter which end is connected to the bipolar machine. The 2 different drill pedals (Anspach and Stryker) live here.

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## DBS Electrode Implantation with MRI Guidance Bilateral (continued)

### **Instruments/Other:**

MRI Titanium Instrument Set - Complete Set - Call to have re-done for "to follow" cases

MRI Titanium Instrument Set #2 - Not an exact duplicate of the set above, but sufficient enough to get you started for "to follow" cases.

MRI Compatible Drills and Pedals

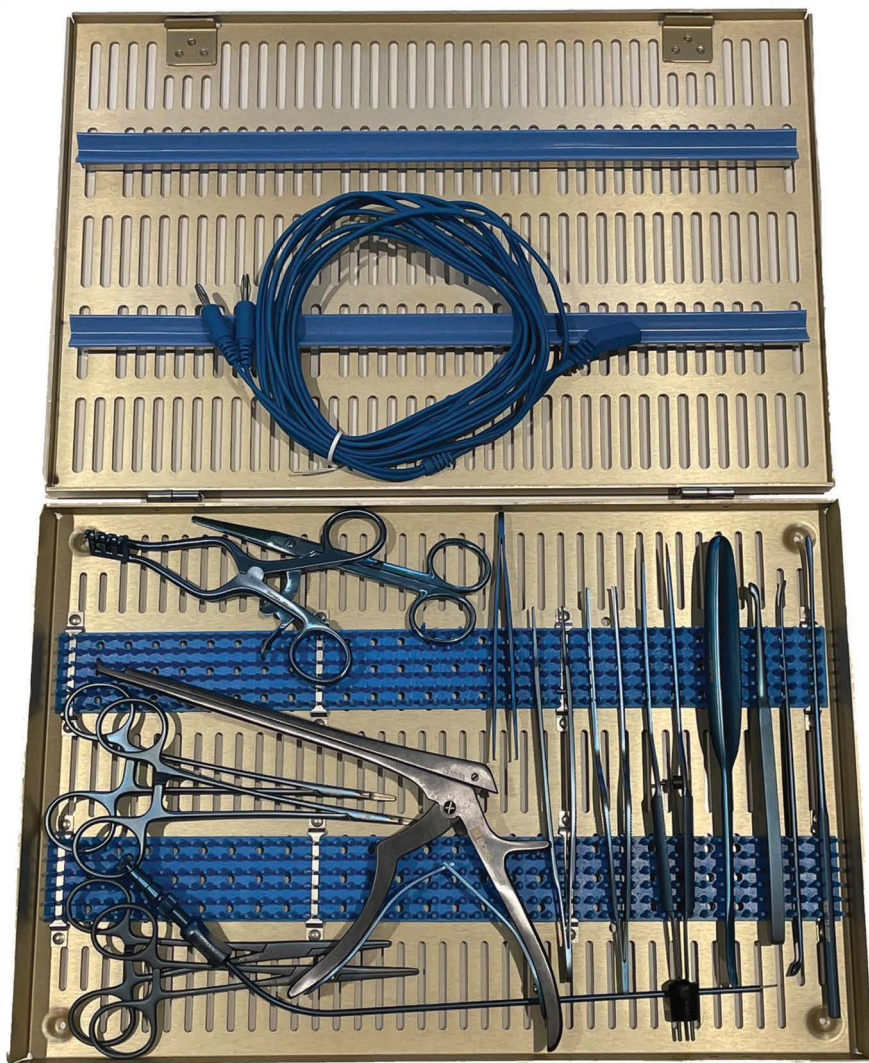
MRI Titanium Instrument Set - contains Anspach MRI Drill - pedal lives in back room MRI

Titanium Instrument Set #2 - contains Stryker MRI Drill - pedal lives in back room-needs cartridge and diffuser (case cart)

Local 0.25% Marcaine + 0.5% Lidocaine with epi 1:100 00

Raney clips(uses manual applier, gun is not MRI compatible)

MRI SAFE Stryker plating system (SPD Moon 3-8313), will require disposable Medtronic screwdriver (SPD location shelf 611)



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## DBS Electrode Implantation with MRI Guidance Bilateral (continued)

Dressing: Bacitracin ointment, mastisol, telfa, paper tape

Chloraprep: Allow to dry - flammable

### Pre-procedure Prep Instructions:

Position Instructions:

Supine

Positioning Information Position #1:

Laterality: Default - Patient Position: SUPINE-BURR HOLE DBS ELECTRODE INST W/ MRI

### **Body:**

Left Arm Tucked

Foam Left Leg

Foam Under Knee

Blanket Under Knee

Right Arm Tucked

Foam Right Leg

Foam Under Knee

Blanket Under Knee

### Instruments:

611190308	10885	<b>CORD BIPOLAR 12FT STER DISP 10-4001 767650</b>	1	0	
		Comments: please remove bipolar twist tie and dispose in PRE-MRI suite			
	230104	<b>COUNTER SPONGE __ 3230</b>	1	0	PK
611 200206		<b>TIP FIXATION PIN TI NLS6011</b>	2	0	EA
510 U4U4U1	20237	<b>CPC MRI DBS 814630</b>	1	0	CS
510040103	60654	<b>PACK HEAD SHAVE 903933</b>	1	0	EA
		<b>DETERGENT RENUZYME FOAM 32-OZ</b>	1	0	EA
611 CSCRT	<b>44842</b>	<b>61301604584</b>			
611 200401	48049	<b>DRAPE MR PROCEDURE NGS-PD-01</b>	2	0	EA
		Comments: MRI drape			
611 200402	48048	<b>KIT SMART FRAME UNI-LATERAL CP-NGS-11</b>	3	0	EA
611 210405		Comments: Need 2 for bilateral cases			
611 020604		<b>PREP SURGICAL 10.5ML CHLORAPREP</b>	2	0	EA
	4195	<b>CHG ORNG 260715 ____</b>			
	3532	<b>STAPLE REMOVER SKIN DISP 150462</b>	1	0	EA

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## DBS Electrode Implantation with MRI Guidance Bilateral (continued)

### Instruments (continued):

Bin Location	PMM#	Description	Open	PRN	NUM
611 200207	38144	<b>RETAINER DRES MT SPANDAGE 10 X 24</b>	1	0	EA
611 030302	23837	<b>CUT STER MT10X24 SPONGE GAUZE 4 X 4 16PLY W/ BAR CODE PK/10 STER SM-4416-7S</b>	2	0	PK
611 190502	19931	<b>BUR ARIA 2.1MM TAPERED ROUTER TI 5550-071-021</b> Comments: For Stryker MRI Aria drill	0	1	EA
611 190502	19930	<b>BUR ARIA 5.0MM ROUND TI 5550-010-050</b> Comments: For Stryker MRI Aria drill	1	0	EA
611 190404	2696	<b>BURR MRI 1.4 X 12.8MM FLUTED ROUTER IMRI-S-1R</b> Comments: For Anspach MRI drill PRN-do not open	0		EA
611 190404	16550	<b>BURR MRI 1.8X16MM FLUTED ROUTER IMRI-A-CRN</b>	0		EA
611190405	40431	<b>BURR MRI 6MM FLUTED BALL IMRI-SHD- 6B</b> Comments: Anspach MRI drill bit	1	1	EA
611 190503	19936	<b>DIFFUSER PNEUMATIC DRILL 5400-006- 000</b> Comments: For Stryker Aria MRI drill	1	0	EA
611 190302	12574	<b>SCALPEL SURGICAL SZ 20 DISP 3716_2_0</b>	3	0	EA
611 190302	45413	<b>SCALPEL SZ 11 DISP SAFETY D4511</b>	1	0	EA
611 190203	61079	<b>SCREWDRIVER DBS DISP 3550S-02</b>	0	1	EA
611210201	2522	<b>TRAY FOLEY CATH 16FR W/ URINEMETER 902816</b> Comments: Safety Alert! Strong magnetic force! Foley bag must be tucked under mattress.	1	0	EA
IMP07A01	20576	<b>LEAD DBS 28CM 0.5MM-SPACED ELECTRODES 3389S-28</b> Comments: Implant room	3	0	EA

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PAN Group Count:

ALL ITEMS ARE NON-MAGNETIC. DO NOT SUBSTITUTE. 5 | | |

**WRAPPED IN TOWEL**

ITEM IS NON-MAGNETIC, DO NOT SUBSTITUTE

25357	IMRI-SAFE	IMRI SAFE MOTOR ASSEMBLY			1				
<b>WRAPPED IN TOWEL Group Count</b>									
<i>ITEM IS NON-MAGNETIC, DO NOT SUBSTITUTE</i>					<b>1</b>				

**PEEL PACK**

ALL ITEMS ARE NON-MAGNETIC, DO NOT SUBSTITUTE

25358	IMRI-SHORT	SHORT ATTACHMENT, IMRI SYSTEM			1				
25359	IMRI-SHORT-HD	SHORT-HD ATTACHMENT, IMRI SYSTEM			1				
25360	IMRI-CRANI-A	CRANI-A ATTACHMENT, IMRI SYSTEM			1				
37877	ACLAMP	CLAMP BLUE			6				
39019	641-2540-H	RETRACTOR SPRING CARBON FIBER 2.5" 7 Lpb TEETH			2				
39020	641-2540-ST	RETRACTOR SPRING CARBON FIBER 2.5" 5 Lpb TEETH			2				
<b>PEEL PACK Group Count</b>									
<i>ALL ITEMS ARE NON-MAGNETIC, DO NOT SUBSTITUTE</i>					<b>13</b>				
<b>NEURO MRI TITANIUM SET# 1-"LEAD TECH ITEM" Total Count:</b>					<b>51</b>				

Footer NOTES: ALL ITEMS ARE NON-MAGNETIC. DO NOT SUBSTITUTE.

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TL 7533: **NEURO MRI TITANIUM SET# 2-"LEAD TECH ITEM"**  
 COLOR COMPANY: 1000 STERILIZATION: STEAM  
 SERVICE: NEU INST. SOURCE: DECONTAMINATION: DECONTAM

TRAY LIST REF STORAGE LOC.: SPD STORAGE BIO-TEST REQ'O No

ASSEMBLED BY SUB LOC: 2s 01 CHARGE CODE:  
 ASSEMBLED TIME: INST. COUNT. 42

HEADER NOTES: **\*\*\*LEAD TECH ITEM-HANDWASH ONLY\*\*\*ALL ITEMS ARE NON-MAGNETIC. DO NOT  
 SUBSTITUTE\*\*\*DO NOT SUBSTITUTE TRAY-MUST BE METAL FREE/MRI COMPATIBLE\*\*\***

SIM Item #	Mfg Nbr	Description	Proc. Item#	Tracked	Qty	1	2	3	4
<b>DURA HOLDER</b>									
ALL ITEMS ARE NON-MAGNETIC. DO NOT SUBSTITUTE. - HAND WASH ONLY!!!									
37331	TW3015	SCISSORS METZENBAUM CVD 7 INCH			1				
37332	TW3016	SCISSORS MAYO STRAIGHT 6 INCH			1				
37333	TW3017	SCISSORS LAHEY STRAIGHT 6 INCH			1				
37334	TW3013	NEEDLEHOLDER WEBSTER 4.5 INCH			1				
37335	TW3014	NEEDLEHOLDER VASCULAR 7 INCH			2				
37336	TW7019	NEEDLEHOLDER MAYO HEGAR			2				
37337	TW3019	DISSECTOR PENFIELD# 1			1				
37338	TW3020	DISSECTOR PENFIELD# 4			2				
37339	TW7021	FORCEPS BAYONET SMOOTH			2				
37340	TW3018	FORCEPS ADSON TOOTHED 4 3/4 INCH			3				
37342	80-2939	FORCEPS BIPOLAR 9 INCH			1				
121163	KM83-141	RETRACTOR WEITLANER 4 X 3 TEETH TITANIUM SHARP 5 1/2 INCH			1				
37518	TOB-3	*PUNCH KERRISON TITANIUM 3MM PLEASE PUT TIP APPROPRIATE ON THE TIP			1				
37877	ACLAMP	CLAMP BLUE			6				
37329	TW3012	CLAMP MOSQUITO CRV 5 INCH			8				
37330	TW7009	CLAMP KELLY CRV 7 INCH			2				
<b>DURA HOLDER Group Count</b>					<b>35</b>				
<b>BASKET</b>									
ALL ITEMS ARE NON-MAGNETIC. DO NOT SUBSTITUTE. - HAND WASH ONLY!!!									
37162	5400-210-000	DRILL ARIA CORE			1				
37160	5400-210-150	ATTACHMENT STRAIGHT ARIA			1				
37341	5400-000-000	ATTACHMENT C SHAPED			1				
<b>BASKET Group Count</b>					<b>3</b>				
<b>PEEL PACK</b>									
ALL ITEMS ARE NON-MAGNETIC. DO NOT SUBSTITUTE. - HAND WASH ONLY!!!									
39019	641-2540-7T	RETRACTOR SPRING CARBON FIBER 2.5" 7 Lpb TEETH			2				
39020	641-2540-5T	RETRACTOR SPRING CARBON FIBER 2.5" 5 Lpb TEETH			2				
<b>PEEL PACK Group Count</b>					<b>4</b>				
<b>NEURO MRI TITANIUM SET# 2-"LEAD TECH ITEM" Total Count:</b>					<b>42</b>				

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# Companies Offering MRI-Safe Equipment

## Cranial Titanium Instruments:

### Millineum Surgical:

<https://www.surgicalinstruments.com/spine-instruments/titanium-mri-safe-instruments>

### MRIEquip:

<https://www.mriequip.com/store/pc/Biopsy-Instruments-Non-magnetic-c196.htm>

## Anesthesia Equipment:

### Avante Medical Surgical:

[https://www.dremed.com/catalog/index.php/cPath/603\\_600](https://www.dremed.com/catalog/index.php/cPath/603_600)

### Drager:

[https://www.draeger.com/en-us\\_us/Productselector/Anaesthesia-Workstations/Anaesthesia-Machines?page=1&i=hospital](https://www.draeger.com/en-us_us/Productselector/Anaesthesia-Workstations/Anaesthesia-Machines?page=1&i=hospital)

## Drills:

### Stryker:

<https://www.stryker.com/us/en/nse/products/aria-drill-system.html>

### Synthes (Anspach iMRI drill):

<https://www.jnjmedtech.com/en-US/products/power-tools/anspach-high-speed-power-tools>

## Bipolars:

### Stryker:

<https://www.stryker.com/us/en/nse/products/spetzler-malis-disposable-non-stick-bipolar-forceps.html>

### Millineum Surgical:

<https://www.surgicalinstruments.com/spine-instruments/bipolar-malis-forceps>

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