

UT Southwestern Department of Radiology

IV Access Contrast Injection Instructions

Can access a patient's Powerport for contrast administration with the power injector using a Power Port needle.

Can access patient's Mediport for contrast administration via hand injection ONLY.

| Division | Title | IV Contrast Name | IV Saline Chase (mL) | Contrast Volume (ml) | Rate of Injection (ml/sec) | Injection Method | IV Access & Contrast Injection | Notes |
|----------|----------------------------------|------------------|----------------------|---------------------------|----------------------------|------------------|--|---|
| Body MR | Abdominal MRV | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Adrenal | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Chest/Abd/Pelvis/MRS Gd | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Combined Abdomen and Pelvis | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Combined Abdomen and Rectal Mass | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Dynamic Abdomen BH | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Dynamic Abdomen non BH | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Dynamic MRCP | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Dynamic PELVIS | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Dynamic Prostate Cardiac-Endo | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 3 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | See Protocol for additional medications to administer |
| Body MR | Dynamic Prostate Cardiac-Only | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 3 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | See Protocol for additional medications to administer |
| Body MR | Dynamic Renal Mass | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Dynamic Secretin MRCP | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | See Protocol for additional medications to administer |
| Body MR | MR Enterography | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | See Protocol for additional medications to administer |
| Body MR | Eovist Abdomen & Pelvis | Eovist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Eovist Abdomen & Rectal Mass | Eovist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Eovist Liver BH | Eovist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Eovist MRCP | Eovist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Fibular Flap | ABLAVAR | 20 | 0.12 ml/Kg | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | GYNOnC | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |

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|----------------|-------------------------------|----------|----|---------------------------|-----|-------|--|---|
| Body MR | Liver Iron Dynamic Abdomen BH | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Mediastinal Mass | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Mesentric Artery | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Mesh | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | MR Urogram Gd | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | See Protocol for additional medications to administer |
| Body MR | MRV Chest-Neck | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Non-Contrast Secretin MRCP | None | | | | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Onc Abdomen Pelvis | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Pelvic Congestion Gd | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Pelvic MRA/MRV | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Pelvis AVM | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Perianal Fistula | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Peritoneum (1.5T Only) | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | See Protocol for additional medications to administer |
| Body MR | Renal MRA Gd | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | SMA Gd | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | THORACIC AORTA Gd | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Thoracic Outlet MRA/MRV | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Total Aorta Vasculitis Gd | ABLAVAR | 20 | 0.12 ml/Kg (Weight Based) | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Body MR | Urethra Gd | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Cardiothoracic | Cardiac Amyloid | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Inject Double Dose Gadavist |
| Cardiothoracic | ARVD Gd | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Inject Double Dose Gadavist |

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| Cardiothoracic | Pericarditis Gd | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Inject Double Dose Gadavist |
| Cardiothoracic | Sarcoidosis Gd | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Inject Double Dose Gadavist |
| Cardiothoracic | Standard Cardiac with Contrast | Gadavist | 20 | 0.1 ml/Kg (Weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Inject Double Dose Gadavist |
| Neuro | (27 C) Bolus C.O.W. | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (38 CT2) Brain Lab with Contrast plus T2 | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (38 C) Brain Lab with Contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (2 MM) Brain Meningioma METS | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (17 CS + 27) Carotico Cavernous Fistula | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (17 CS) Cavernous Sinus | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (6 SF) Cervical Spine with contrast + FS on Posts | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (6 S) Cervical Spine with contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (18 D) Cholesteatoma Middle Ear Mass | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (2 G) Routine Contrast Brain | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (32 C) Contrast Brain Neurovascular | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (13 D) Dynamic Pituitary Fossa/Chiasm | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (12 C) Epilepsy + Contrast – 3T preferred | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (2 BT) Glioma / Brain Tumor | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (18) IAC & Facial Nerve | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (18 C) IAC & Facial Nerve w/ Contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (27 VWC) Intracranial Vessel Wall | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (4 SF) Lumbar Spine w/ contrast + fat sat | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |

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|-------|---|----------|----|--------------------------|---|-------|--|---|
| Neuro | (4 S) Lumbar Spine with contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (33 CT) MRA C and T-Spine | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (31 C) MRA Neck W/O&W | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (33 TL) MRA T and L-Spine | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (34 C) MRV Brain W/O&W | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (2 MS) MS Brain with Contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (6 MS) MS C-Spine w/ contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (7 MS) MS T-Spine w/ contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (2 PD) Perfusion with Diamox | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 4 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | See Protocol for additional medications to administer |
| Neuro | (2 P) Perfusion | Gadavist | 20 | 0.1 ml/Kg (weight Based) | 4 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (13 C) Pituitary Fossa/Chiasm | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (37) Radiation Planning/Gamma Knife | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (37 C) Radiation Planning/Gamma Knife with Contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (19 C) Routine Face | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (22) Routine Neck Mass | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (17 C) Routine Orbits | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (4 Sacrum) Sacrum with contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (39 C) SBRT SPINE with contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (8 CF) Screen Spine w/ contrast + FS on Posts | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (8 C) Screen Spine w/ contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (19 SBC) Skull Base | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |

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|-------|---|----------|----|--------------------------|---|-----------------------------------|--|---|
| Neuro | (19 SM) Submandibular Glands | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (7 SCF) T-Spine w/ contrast + FS on Posts | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (7 SC) Thoracic Spine w/ contrast | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (19 CTMJ) TMJ Bilateral W/O&W | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (18 TN) Trigeminal Neuralgia | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Neuro | (19 V3) V3 Perineural Spread of Disease | Gadavist | 10 | 0.1 ml/Kg (weight Based) | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| MSK | Brachial Plexus - TOS - 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Elbow - 1.5T MR Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | Elbow - 1.5T Ortho | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Elbow - 3T MR Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | Elbow - 3T Ortho | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Extremity - Arm, forearm, thigh, leg | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | MR Neurography - Face - 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Femoral Anteversion-Tibial Torsion Lower extremity - 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Finger, Thumb, Hand - 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Finger, Thumb, Hand - 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Foot - 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Foot - 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | HIP - Ortho - 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | HIP - 1.5T- Metal | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |

IV Access Contrast Injection Instructions

Can access a patient's Powerport for contrast administration with the power injector using a Power Port needle.

Can access patient's Mediport for contrast administration via hand injection ONLY.

| | | | | | | | | |
|-----|--|----------|----|-----------|-----|-----------------------------------|--|---|
| MSK | HIP - 1.5T MR Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | HIP - 1.5T Ortho | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | HIP - 3T MR arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | Infection - Joint or Extremity (1.5T or 3T) | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | KNEE - 1.5T- Metal | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | KNEE- MR Arthro - 1.5T | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | KNEE- Ortho - 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | KNEE- 3T MR Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | KNEE- Ortho - 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Lumbosacral Plexus Pelvis - 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Lumbosacral Plexus - 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | MR Neurography Extremity | Gadavist | 10 | 0.1 ml/Kg | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Myositis, Muscle Strain, Muscle Infection Both thighs or legs - 3T or 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | MR Neurography- Neck - Occipital Nerve | Gadavist | 10 | 0.1 ml/Kg | 2 | Hand | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Pediatrics MRI MSK Protocols | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | MSK Pelvis | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | MSK- Popliteal Entrap-Angio | ABLAVAR | 10 | 0.1 ml/Kg | 1.2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Rheumatology C-Spine - 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Rheumatology Lumbosacral | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Rheumatology Wrist - 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |

IV Access Contrast Injection Instructions

Can access a patient's Powerport for contrast administration with the power injector using a Power Port needle.

Can access patient's Mediport for contrast administration via hand injection ONLY.

| | | | | | | | | |
|--------|---|----------|----|-----------|---|-----------------------------------|--|---|
| MSK | Scapula, Pectoralis Major Tear | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Shoulder - 1.5T Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | Shoulder - 1.5T Metal | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Shoulder - 1.5T Ortho | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Shoulder - 3T Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | Shoulder - 3T Ortho | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 20g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 22g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | SI Joint, Sacrum, Coccyx | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 20g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 22g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Sternoclavicular Joint, Sternum, Chest - 3T or 1.5T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 20g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 22g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Tumor Joint or Extremity - 1.5T or 3T | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 20g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 22g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Wrist -1.5T MR Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | Wrist -1.5T Ortho | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| MSK | Wrist - 3T MR Arthrogram | Gadavist | | | | | | Intraarticular contrast given by MD in fluoro (mixed as 1 mL Gadavist diluted in 100 mL saline) |
| MSK | Wrist - 3T Ortho | Gadavist | 10 | 0.1 ml/Kg | 2 | Infection = Hand Tumor = Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| Breast | Breast Biopsy | Gadavist | 20 | 0.1 ml/Kg | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | |
| Breast | Breast Implant Rupture | Gadavist | 20 | 0.1 ml/Kg | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| Breast | Diagnostic Breast with Silicone Implants | Gadavist | 20 | 0.1 ml/Kg | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |
| Breast | Routine Breast Screening Saline Implants | Gadavist | 20 | 0.1 ml/Kg | 2 | Power | Start IV line using 22g needle in antecubital fossa or larger vein. If unable to obtain access, then attempt with 24g needle and/or hand or forearm vein | Radiologist entered protocol will state if IV contrast is to be given. |