

## MRI BRACHIAL PLEXUS WITHOUT & WITH GAD (UNILATERAL)

|                   |   |
|-------------------|---|
| <b>Scan Range</b> | <b>Sufficient to cover brachial plexus from the contralateral spinous process of C-spine down to level of Sternoclavicular joint.</b> |
| FOV               | Fits to patient, FOV large enough to cover whole brachial plexus unilateral.  |
| Patient Position  | Supine, head first, NV coil   |
| Localizer         | 3 plane scout   |
| Breathing         | Instruct patient to avoid swallowing during sequence acquisition.   |

| PLANE                  | SEQUENCE          | FAT SAT    | MODE | SLT/SP  | FOV         | NOTES  |
|------------------------|-------------------|------------|------|---------|-------------|--|
| Sagittal               | T1                | N          | TSE  | 3 / 1   | 160 -180 mm | Contralateral C-spine vertebral process to humerus                     |
| Sagittal               | T2 Mid TE FAT SAT | Yes, SPAIR | TSE  | 3 / 1   |             | Contralateral C-spine vertebral process to humerus                     |
| Axial                  | T1                | Y          | TSE  | 3 / 1   |             |  |
| Axial                  | T2 Mid TE FAT SAT | Yes, SPAIR | TSE  | 3 / 1   |             |  |
| Coronal                | T1                | N          | TSE  | 3 / 1   |             | Anterior chest to back of neck. Angle to line up the acromion with C3. |
| Coronal                | 3D STIR           | Y STIR     | TSE  | 1.25/ 0 |             | Anterior chest to back of neck.  |
| <b>INJECT CONTRAST</b> |                   |            |      |         |             |  |
| AXIAL + C              | T1 FAT SAT        | SPIR       | TSE  | 3 / 1   |             |  |
| Coronal + C            | T1 FAT SAT        | SPIR       | TSE  | 3 / 1   |             | Anterior chest to back of neck   |