

## BRAIN/ORBITS

**Revised:** 10/2018

**CPT Code:** 70553,70543

**Indications:** Tumor, Infection, Eye pain, Optic neuritis

**Contrast:** YES

### Preferred Scanner-Any Scanner (3T for Neuro patients)

| Plane | Sequence | Slice (mm) | Gap (mm) | FAT SAT | FOV (mm) | Scan Range  | Notes         |
|-------|----------|------------|----------|---------|----------|---|---------------|
| AX    | DWI      | 4          | 1.2      | Y       | 210      | Entire brain from vertex thru cerebellum, angled parallel to the ACPC |               |
| SAG   | T1 3D    | .9         | 0        | N       | 210      | Entire brain, angled parallel to midline of brain                     | RFMT AX & COR |
| AX    | T2       | 3          | 1.5      | N       | 210      | Entire brain from vertex thru cerebellum, angled parallel to the ACPC |               |
| AX    | FLAIR    | 3          | 1.5      | N       | 210      | Entire brain from vertex thru cerebellum, angled parallel to the ACPC |               |
| COR   | STIR     | 2          | .3       | N       | 160      | Orbits only, perpendicular to optic nerve                             |               |
| AX    | T1       | 2          | .3       | N       | 160      | Orbits only, parallel to optic nerve                                  |               |
| SAG   | FLAIR    | 3          | 1.5      | N       | 210      | Entire brain, angled parallel to midline of brain                     |               |

### CONTRAST

| Plane | Sequence | Slice (mm) | Gap (mm) | FAT SAT | FOV (mm) | Scan Range  | Notes         |
|-------|----------|------------|----------|---------|----------|---|---------------|
| AX    | T1       | 2          | .3       | Y       | 160      | Orbits only, parallel to optic nerve              |               |
| COR   | T1       | 2          | .3       | Y       | 140      | Orbits only, perpendicular to optic nerve         |               |
| SAG   | T1 3D    | .9         | 0        | Y       | 210      | Entire brain, angled parallel to midline of brain | RFMT AX & COR |

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### SCAN PLANNING:

ACPC: Anterior Commissure Line/Posterior Commissure Line

