

BNU 3

| | Anatomical | Rest | DTI |
|--|-----------------------|-----------------------|-----------------------|
| Manufacturer | Siemens | Siemens | Siemens |
| Model | TrioTim | TrioTim | TrioTim |
| Headcoil | 12 Chan | 12 Chan | 12 Chan |
| Field Strength | 3T | 3T | 3T |
| Sequence | 3D MPRAGE | EPI | EPI |
| Flip Angle [Deg] | 7.0 | 90 | N/A |
| Inversion Time (TI) [ms] | 1100 | - | - |
| Echo Time (TE) [ms] | 3.39 | 30 | 104 |
| Repetition Time (TR) [ms] | 2530.0 | 2000 | 7200.0 |
| Bandwidth per Voxel (Readout) [Hz] | 190 | 2520 | 1396.0 |
| Parallel Acquisition | - | - | GRAPPA x 2 |
| Partial Fourier | Off | - | None |
| Number of Slices | 128 | 34 | 49.0 |
| Slice Orientation | Saggital | Axial | a |
| Slice Phase Encoding Direction | Anterior to Posterior | Anterior to Posterior | Anterior to Posterior |
| Slice Acquisition Order | Interleaved Ascending | Interleaved Ascending | Interleaved Ascending |
| Slice Thickness [mm] | 1.33 | 3.5 | 2.5 |
| Slice Gap [mm] | 0.6515 | 0.7 | 0.0 |
| Field of View [mm] | 256 | 200 | 230.0 |
| Acquisition Matrix | 256x192 | 64x64 | 128x128 |
| Slice In-Place Resolution [mm ²] | 1.3x1.0 | 3.5x3.5 | 1.8x1.8 |
| Number of Measurements | - | 150 | 65 |
| Acquisition Time [min:sec] | 8:07 | 8:06 | 8:11 |
| Fat Suppression | None | Yes | Yes |
| Number of Directions | - | - | 64.0 |
| Number of B Zeros | - | - | 1.0 |
| B Value(s) [s/mm ²] | - | - | 1000.0 |
| Averages | - | - | 1.0 |