

| STEALTH BRAIN/BRAINLAB                                                                                                                                          |                                                                       |             |             |             |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------|-------------|-------------|--------|
| Protocol to Use                                                                                                                                                 | 1.6 Helical Stealth                                                   |             |             |             |        |
| HDI/VDI                                                                                                                                                         |                                                                       |             |             |             |        |
| Patient position:                                                                                                                                               | Supine Head First                                                     |             |             |             |        |
| Exam specific instructions:                                                                                                                                     | Must include entire nose and both ears. Patient's eyes must be closed |             |             |             |        |
| Indication:                                                                                                                                                     | Pre-op for virtual surgery planning, radiation therapy planning       |             |             |             |        |
| Notes:                                                                                                                                                          |                                                                       |             |             |             |        |
| CONTRAST:                                                                                                                                                       | Oral:                                                                 | None        |             |             |        |
|                                                                                                                                                                 | IV:                                                                   | None        |             |             |        |
|  <b>SERIES 1:<br/>Dual Scout</b>                                                 | <div>GE</div> <div>120 kV/10 mA</div>                                 |             |             |             |        |
| GE                                                                                                                                                              | GE 64 2nd FL                                                          | GE 64 ER    | GE 64 OLY   | GE CTS ER   | PET CT |
|                                                                                                                                                                 | OM S150/I150                                                          | OM          | OM          | OM S150/I75 |        |
|  <b>SERIES 2: Scan craniocaudal from above vertex to below maxillary sinuses</b> |                                                                       |             |             |             |        |
| GE                                                                                                                                                              | GE 64 2nd FL                                                          | GE 64 ER    | GE 64 OLY   | GE CTS ER   | PET CT |
| Scan Type                                                                                                                                                       | Helical                                                               | Helical     | Helical     | Helical     |        |
| Detector Config                                                                                                                                                 | 20mm                                                                  | 20mm        | 20mm        | 40mm        |        |
| Rotation                                                                                                                                                        | 0.5                                                                   | 0.5         | 0.5         | 0.5         |        |
| Pitch/Speed                                                                                                                                                     | 0.531/10.62                                                           | 0.531/10.62 | 0.531/10.62 | 0.5/6.1     |        |
| SFOV                                                                                                                                                            | Head                                                                  | Head        | Head        | Head        |        |
| kV                                                                                                                                                              | 120                                                                   | 120         | 120         | 120         |        |
| mA Range                                                                                                                                                        | 170                                                                   | 170         | 245         | 245         |        |
| NI                                                                                                                                                              | N/A                                                                   | N/A         | N/A         | N/A         |        |
| Prep Group                                                                                                                                                      | N/A                                                                   | N/A         | N/A         | N/A         |        |
| DFOV (cm)                                                                                                                                                       | 26                                                                    | 26          | 26          | 26          |        |
| % Dose Reduction                                                                                                                                                | 30                                                                    | 30          | 30          | 30          |        |
| ASIR %                                                                                                                                                          | 30                                                                    | 30          | 30          | 30          |        |
| CTDI (mGy)                                                                                                                                                      | 27.98                                                                 | 44.3        | 44.3        | 35.91       |        |
| XR29 Dose Notification (mGy)                                                                                                                                    | 50                                                                    | 50          | 50          | 50          |        |

|                   | RECON 1       | RECON 2       |
|-------------------|---------------|---------------|
| Series Descripton | Head 1.25     | Thin          |
| Type              | Axial         | Axial         |
| Start             | Vertex        | Vertex        |
| End               | Base of Skull | Base of Skull |
| Angle             | 0             | 0             |
| Image Order       | Craniocaudal  | Craniocaudal  |
| Filter            | Standard      | Standard      |
| Windowing         | C40/W80       | C40/W350      |
| Render Mode       | Average       | Average       |
| Slice (mm)        | 1.25          | 0.625         |
| Increment (mm)    | 1.25          | 0.625         |
| FOV in mm         | 25            | 25            |

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