

FIREFLY® CERVICAL NAVIGATION GUIDE



CT/CTA SCAN PROTOCOL

The resolution and quality of this CT or CTA scan are critical for creating patient-matched 3D spine models and surgical guides. Please review the following information before proceeding with the scanning process.

QUESTIONS/CONTACT

support@mightyoakmedical.com or (720) 398-9703

IMPORTANT INSTRUCTIONS

- Single continuous CT scan with contiguous slices – Do not separate regions
- Obtain CT Angiography (CTA) scan if C1 or C2 have been ordered
 - Obtain angiography using standard best practices in accordance with OEM contrast indications
- Minimize metal artifacts and noise by adjusting dose parameter
- Uncompressed DICOM only

REQUIRED SCAN PARAMETERS (CT AND CTA SCAN)

Localizer	As necessary to identify vertebrae and prevent bone cutoff
Scan Acquisition	One continuous axial acquisition of entire region of interest (ROI)
Scan Type	Helical / Spiral
Display Field of View (DFOV)	Minimize DFOV to only include ROI (<i>do not exceed 500 mm</i>)
Scan Matrix	512 x 512
Slice Thickness	Do not exceed 1.25 mm
Slice Spacing	Do not exceed Slice Thickness
Helical Pitch	Do not exceed 1 (<i>set as close to 1 as appropriate</i>)
Gantry Tilt	0°
Recommended kVp	Adult: 120-140 kVp (<i>use higher kVp for heavier patients</i>)
Recommended mA/mAs	Per automated exposure control or as suitable for body habitus
Preferred Kernel	Soft Tissue, B40s, or equivalent (<i>Bone Plus (+) not preferred</i>)

ANGIOGRAPHY PARAMETERS (CTA SCAN ONLY)

Contrast*	Reference the OEM contrast's Indications For Use to determine appropriate intravascular administration concentrations for CT head and body imaging.
Dosage*	Administer contrast dosage in accordance the OEM contrast's Indications For Use
Recommended Delay*	Contrast bolus is tracked to the vertebral artery

*These highlights do not include all the information needed to use Contrast safely and effectively. See full prescribing information for Contrast.

RECONSTRUCTION CHECKLIST (CT AND CTA SCAN)

- ✓ Uncompressed DICOM file type
- ✓ Original images reconstructed from raw data
- ✗ **Lossy compression of DICOM images is NOT acceptable**
- ✗ **Secondary reconstructions NOT acceptable**
- ✗ **Reformats, screen saves, or multiplanar reconstructions (MPRs) NOT acceptable**

UPLOAD INSTRUCTIONS

1. Please retain a permanent archive (PACS) copy of the RAW data of images for 1 month
2. Archive in uncompressed DICOM format – Do not include viewing software
3. Upload via secure, HIPAA-compliant portal: mightyoakmedical.com/secureupload
4. Alternate method – Ship via overnight delivery to:

Attn. FF-CNG
Mighty Oak Medical
750 W. Hampden Avenue, Suite 120
Englewood, CO 80110