



FIREFLY® MRI-DERIVED SCT SCAN PROTOCOL

The resolution and quality of this preoperative 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: (720) 398-9703
support@mightyoakmedical.com

REQUIRED BONEMRI PROTOCOL FOR MRI SCANNERS

IMPORTANT INSTRUCTIONS

- Patient positioning (supine or prone, with legs slightly bent if S2AI is ordered), coil setup and scan planning are specific to anatomical region (Spine vs. Pelvic). See BoneMRI IFU for more details.
- Naming conventions and acquisition parameters are specific to MRI scanner (GE, Siemens, and Phillips), field strength (1.5T and 3T) and anatomical region (Spine and Pelvic). See BoneMRI IFU for more details.
- Spinal region (cervical, thoracic, lumbar, and S1 vertebrae) must be scanned separate from Pelvic region (sacrum, and ilium).
- Single continuous scan with contiguous slices preferred – Do not separate spinal regions (e.g. include cervical, thoracic, lumbar and S1 levels in the same series), if possible.
Note: Series Description naming convention shall only include a single spinal region if multiple spinal regions are included within the same series (ex. Either "Thoracic" or "Lumbar" may be indicated for "anatomy" within the series description if thoracic and lumbar vertebrae are included in the scan). See BoneMRI IFU for more details.
- Scan entire ilium if ilium/pelvis is ordered
- Reformat BoneMRI scan in axial orientation in order to convert modality type from MR to CT. See BoneMRI IFU for more details.

BONEMRI ACQUISITION PARAMETERS

See BoneMRI IFU for MRI acquisition parameters.

BONEMRI OUTPUT PARAMETERS

Modality CT (preferred)

File Type Uncompressed DICOM

Anatomical Region	ImageType	ROI
Spinal Region (Cervical, Thoracic, Lumbar)	DERIVED\SECONDARY\BONEMRI*(CSPINE,TSPINE,LSPINE)\AXIAL *Not required to match region of spine scanned	C7-S1
Pelvic Region	DERIVED\SECONDARY\BONEMRI\PELVICREGION\AXIAL	Sacrum/Ilium

UPLOAD INSTRUCTIONS

1. Upload via secure, HIPAA-compliant upload portal:
mightyoakmedical.com/securedicomupload
2. Alternate method – Ship via overnight delivery to:

Mighty Oak Medical
750 W. Hampden Avenue, Suite 120
Englewood, CO 80110
(720) 398-9703