

Sella

Siemens 16 Slice

Application Examples: pituitary tumor	
Oral Contrast	No
IV Contrast / Volume	120 mL Omnipaque 300
Injection Rate	3.5 mL / sec

Technical Factors

Care Bolus ROI Location / HU	N/A
Monitoring Delay	N/A
Cycle Time	N/A
Scan Delay	*30 seconds
Breath Hold	N/A
Scan Type	Spiral
Detector Collimator	Acq 16 x 0.6 mm
kV / mAs / Rotation Time (seconds)	130 kV / 250 mAs / 1.0
Pitch	0.55
Typical CTDIvol	66.49 mGy

Topogram: Lateral and AP, 256 mm

Unenhanced	Width / Increment	Algorithm	Window	FoV	Series Description	Network	Post Processing
Recon 1	1 x 1	H30s	Base Orbita	100	AXIAL STND UNENHANCED	PACS	None
Recon 2	1 x 1	H70s	BONE	100	AXIAL BONE UNENHANCED	PACS	None
Recon 3	0.75 x 0.5	H30s	Base Orbita	100	AXIAL 0.75 STND UNENHANCED	PACS	Coronal & Sagittal MPR

30 seconds	Width / Increment	Algorithm	Window	FoV	Series Description	Network	Post Processing
Recon 1	1 x 1	H30s	Base Orbita	100	AXIAL STND 30 SEC	PACS	None
Recon 2	0.75 x 0.5	H30s	Base Orbita	100	AXIAL 0.75 X 0.5 STND 30 SEC	PACS	Coronal & Sagittal MPR

60 seconds	Width / Increment	Algorithm	Window	FoV	Series Description	Network	Post Processing
Recon 1	1 x 1	H30s	Base Orbita	100	AXIAL STND 60 SEC	PACS	None
Recon 2	0.75 x 0.5	H30s	Base Orbita	100	AXIAL 0.75 X 0.5 STND 60 SEC	PACS	Coronal & Sagittal MPR

90 seconds	Width / Increment	Algorithm	Window	FoV	Series Description	Network	Post Processing
Recon 1	1 x 1	H30s	Base Orbita	100	AXIAL STND 90 SEC	PACS	None
Recon 2	0.75 x 0.5	H30s	Base Orbita	100	AXIAL 0.75 X 0.5 STND 90 SEC	PACS	Coronal & Sagittal MPR

Contrast enhanced CT imaging of the sella turcica is typically performed as an alternative study for evaluation of sellar pathology in patients with contraindications for MR imaging. This is a dynamic exam with four total scans.

Patient Position: IOML perpendicular to table and head in a symmetrical position (no rotation or tilt).

Scan Range: Scan from mid sphenoid sinus to above sella, including entire pituitary gland.

Scan Instructions: First series is unenhanced. Second series scan delay is set at 30 seconds. Third series is set to 21 seconds after the completion of second series. Fourth series is set to 21 seconds after completion of third series.

Recons and Reformations: Coronal and sagittal MPRs reconstructed perpendicular to the sella.

Series: Unenhanced	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 3	Coronal MPR	1x1	Base Orbita	COR UNENHANCED	PACS
Recon 3	Sagittal MPR	1x1	Base Orbita	SAG UNENHANCED	PACS

Series: 30 seconds	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 2	Coronal MPR	1x1	Base Orbita	COR 30 SEC	PACS
Recon 2	Sagittal MPR	1x1	Base Orbita	SAG 30 SEC	PACS

Series: 60 seconds	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 2	Coronal MPR	1x1	Base Orbita	COR 60 SEC	PACS
Recon 2	Sagittal MPR	1x1	Base Orbita	SAG 60 SEC	PACS

Series: 90 seconds	Reformat Type	Width / Increment	Window	Series Description	Networking
Recon 2	Coronal MPR	1x1	Base Orbita	COR 90 SEC	PACS
Recon 2	Sagittal MPR	1x1	Base Orbita	SAG 90 SEC	PACS