

UT Southwestern Department of Radiology

Protocol Name: CT Head Without and With

Orderable Name: CT BRAIN W AND WO IV CONTRAST

Adult Only

Epic Button: Head W/O & W/

CTDIvol < 80 mGy

Indications: Infection, malignancy, AVM, aneurysm, stroke, seizures.

Acquisitions: 2

Active Protocol

Oral Contrast: None	IV Contrast: Link to Contrast Information Rate (mL/sec): 3 Volume (mL): 70 IV Access: Power injection: 20g or larger strongly preferred (if 22g use reduce rate to 2.5 mL/sec) Notes: Saline Test Injection: 10 sec @ injection rate	Other Contrast: None	Airway
			Other Notes No habitus specific kVp adjustment. Utilize Dual Energy when available

Last Change: 1/24/2024

Last Review: 1/24/2024

Links:

Special Instructions	Do not repeat CT scan, recon soft tissue from 1st acquisition Send soft tissue volume to PACS. Send low/hi kVp to SyngoVia.		
Acq # / Series Name	1 Noncontrast	N/A Noncontrast	2 Contrast
Phase Timing		N/A	60 seconds
Acquisition Protocol	Neuro Head	Recon Only	Neuro Head
Coverage	Base of skull through vertex	Same	
FOV	200 mm	Same	200 mm
Algorithm	Bone	Soft Tissue	Soft Tissue
Axial Recons	5 mm	5 mm, 1 mm (volume)	5 mm, 1 mm (volume)
Other Planar Recons		3 mm coronal and sagittal	3 mm coronal and sagittal
MIP Recons			
†DECT Philips			
†DECT Siemens		1mm SPP	
†PC-CT Siemens			

† When dual energy (DE) or photon counting (PC) CT is used

