CTA BRAIN 16 Emotion

Indications	Severe Headache, dizziness, memory loss, slurred speech, blurred vison, weakness				
Diagnostic Task	Detect Vascular disease, aneurysm evaluation, Acute Stroke				
Scan Mode	Helical				
Position/Landmark	Head first -Supine1cm superior to skull vertex-Craniocaudal				
	Lat mA 25 kV AP 110kV 25mA				
Topogram	-	Lat IIIA	23 KV AI TIUKV	ZJIIIA	
kVp/Reference mass	MC brain 130kV 320 mAs// CTA 130kV 200mAs				
Rotation time/pitch	NC brain 1/0.55//CTA 0.6/0.85				
Detector	NC brain 16v0 6//CTA 16v0 6				
Configuration Table	NC brain 16x0.6//CTA 16x0.6				
Speed/Increment	NC brain 5.78//CTA 8.16				
Dose reduction	na//CareDose 4D				
Allowed CTDI					
ranges*	30mGy-80mGy				
XR29 Dose Notification value	80mGy				
helical Set	body	thickness	оотпоу		recon
Non-con brain	1	spacing	kernel	window	destination
INOII-COII DIAIII	recon part				
	1 brain	1mmx 1mm	31medium smooth		pacs
	2 axial brain	5mmx 5mm	31medium smooth	cerebrum	pacs
	3 axial skull bone	1mmx1mm	H60s sharp	neuro bone	pacs
	4 thin axial brain			cerebrum	mpr
	5 Sag Brain	1mmx1mm	31medium smoo	oth cerebrum	pacs
	6 Coronal Brain	1mmx1mm	31 medium smoo	oth cerebrum	pacs
Helical Set-CTA	body	thickness	;		recon
	recon part	spacing	kernel	window	destination
	1 brain cta	.75mmx.	7 20 smooth	mediastinum	pacs/mpr
	2 axial cta cow MIP 20mmx5mm 20smooth mediastinum		mediastinum	pacs	
	3 sag cow N	IIP 5mmx2m	nm 20smooth	mediastinum	pacs
	4 coronal cow M	1IP 5mmx2m	nm 20smooth	mediastinum	pacs
	5 sag brain MPR	1mmx1m	m 20smooth	mediastinum	pacs
	6 coronal brain M	RP 1mmx1m	m 20smooth	mediastinum	pacs
Scan Start	NC brain 1cm below maxilla in include sinus//CTA two inches below base of s				
END	NC brain 1cm above skull vertex//CTA 1cm above skull vertex				
DFOV	nc brain:25cm cta:18cm				
	decrease appropriately				
IV contrast volume					
TV CONTIGOR VOIGING	contrast should be injected into RT arm if possible				
Scan Delay	bolus track at c3, trigger is + 90				
Note*					
1.1010	The Diagnostic Reference Dose (CTDI vol) is 75mGy(with 16cm CTDI phantom). The pass/fail limit (ACR and Washington state) is 80mGy. Most routine head scans on modern scanners have CTDIvol ranges between 40 and 60mGy.				
	*The AAPM recommended NEXA XR29 Dose Notification Value for an adult head is 80mGy. The maximum CTDIvol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.				