

IAC'S COMPLETE 16 Emotion

Indications	ha, ear pain, dizziness, hearing loss						
Diagnostic Task	Detect fluid in ear, masses in ears						
Scan Mode	Supine						
Position/Landmark							
Topogram	ap/lateral 30mA 110kVp						
KV/Reference mAs	130kv 150mas						
Rotation time/Pitch	helical 1.0/0.75						
Detector Configuration							
Table Speed/Increment							
Dose Reduction	na						
Allowed CTDI ranges*	30mGy-80mGy						
XR29 Dose notification V	80mGy						
Helical Set #1 SUPINE		body	thickness			recon	
		recon	part	spacing	kernel	window	destination
	1	IAC Bilat	bone	1mmx 1mm	70very sharp	inner ear	pac/ TR
	2	IAC bilat	ST	2mmx2mm	31medium	mediastinum	pac/
	3	Lt IAC	small fov	1mmx1mm	70very sharp	inner ear	pac/
	4	Rt IAC	small fov	1mmx 1mm	70very sharp	inner ear	pac/
	5	coronal IAC	bilat	1mmx1mm	70very sharp	inner ear	pac/
	6	coronal IAC	RT	1mmx1mm	70very sharp	inner ear	pac/
	7	coronal IAC	LT	1mmx1mm	70very sharp	inner ear	pac/
	IF SSC	8	oblique of Stenver		1mmx1mm	70very sharp	inner ear
9		oblique of Poschi		1mmx1mm	70very sharp	inner ear	pac/
Scan Start/End	1cm inferior to mastoid tip/1cm superior to petrous bones						
DFOV	25 cm bilat/ 10cm lt and rt mags						
IV contrast volume/rate	80ml under 250lbs 100ml over 250lbs isovue 370 2cc/sec						
	Performed as directed by a supervising radiologist						
Scan Delay	65 seconds						
NOTE*	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						