

NECK 4D without/with 64 Sensation

Indications	Patients with biochemically confirmed hyperparathyroidism who had parathyroidectomy					
Diagnostic Task	parathyroid localization					
Scan mode	Helical					
Position/Landmark	Head first supine 1cm superior to skull vertex-Craniocaudal					
Topogram	Lat120 kV 60mA PA 120kV 60mA					
kVp/Reference mass	neck 120kv 250mas / chest 120kv 180mA					
Rotation time/pitch	neck 1.0/0.9/ chest 0.5/0.8					
Detector Configuration	neck 24x1.2/ chest 64x0.6					
Table Speed/Increment	neck 25.92/ chest 30.72					
Dose reduction	Care Dose 4D					
Allowed CTDI ranges*	30mGy-80mGy					
XR29 Dose Notification value	80mGy					
Helical Set-Neck without		body	thickness			recon
	recon	part	spacing	kernel	window	destination
	1	neck	2mmx 2mm	31medium smooth	mediastinum	pacs
			arms down-maximally pulled down during scan			
Helical Set-Neck with 50 second delay		body	thickness			recon
	recon	part	spacing	kernel	window	destination
	1	neck	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	coronal neck	2mmx2mm	31medium smooth	mediastinum	pacs
	3	sag neck	2mmx2mm	31medium smooth	mediastinum	pacs
			arms down-maximally pulled down during scan			
Helical Set-Chest with Arms up		body	thickness			recon
	recon	part	spacing	kernel	window	destination
	1	chest	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	lung	1.5mmx 1.5mm	70very sharp	lung	pacs
	3	coronal chest	2mmx2mm	31medium smooth	mediastinum	pacs
	4	sag chest	2mmx2mm	31medium smooth	mediastinum	pacs
Scan Start/end location	neck		/	chest		
	upper palette		/	1cm superior to apices		
	thru carina		/	mid heart		
DFOV	180cm		/	180cm		
	decrease appropriately					
IV contrast volume/type	125ml Isovue 370@ 1.5ml/sec contrast should flow thru the entire neckscan					
Scan delay	50 seconds					