

NECK 4D without/with 16 Emotion

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	Lat 80kV 60mA PA 80kV 60mA					
kVp/Reference mass	neck 130kv 150mas / chest 130kv 150mA					
Rotation time/pitch	neck 1.0/0.9/ chest 1.0/0.8					
Detector Configuration	neck 16x1.2/ chest 16x1.2					
Table Speed/Increment	neck 17.28 // chest 15.36					
Dose reduction	Care Dose 4D					
Allowed CTDI ranges*	30mGy-80mGy					
XR29 Dose Notification value	80mGy					
Helical Set neck without	recon	body part	thickness spacing	kernel	window	recon destination
	1	neck	2mmx 2mm	31medium smooth	mediastinum	pac
arms down-maximally pulled down during scan						
Helical Set neck with 50 second delay	recon	body part	thickness spacing	kernel	window	recon destination
	1	neck	2mmx 2mm	31medium smooth	mediastinum	pac
	2	coronal neck	2mmx2mm	31medium smooth	mediastinum	pac
	3	sag neck	2mmx2mm	31medium smooth	mediastinum	pac
arms down-maximally pulled down during scan neck-maximally extended						
Helical Set-Chest with Arms up	recon	body part	thickness spacing	kernel	window	recon destination
	1	chest	2mmx 2mm	31medium smooth	mediastinum	pac
	2	lung	2mmx 2mm	70very sharp	lung	pac
	3	coronal chest	2mmx2mm	31medium smooth	mediastinum	pac
	4	sag chest	2mmx2mm	31medium smooth	mediastinum	pac
Scan Start/end location	neck		/	chest		
	upper palette		/	1cm superior to apices		
	thru carina		/	Mid Heart		
DFOV	18cm		/	18cm		
	decrease appropriately					
IV contrast volume/type	125ml Isovue 370@ 1.5ml/sec contrast should flow thru the entire scan					
Scan delay	50 seconds					

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