

NECK 4D without/with GO ALL

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 130kV 30mA PA130kV 30mA					
kVp/Reference mass	neck 130kv 112mas / chest 130kv 54mA					
Rotation time/pitch	neck 1.0/0.8/ chest 0.33/0.8					
Detector Configuration	neck 32x0.7/ chest 32x0.7					
Table Speed/Increment	neck 17.92 // chest 17.92					
Dose reduction	Care Dose 4D					
Allowed CTDI ranges*	30mGy-80mGy					
XR29 Dose Notification val	80mGy					
Helical Set neck without		body	thickness			recon
	recon	part	spacing	kernel	window	destination
	1	neck	2mmx 2mm	Br40	mediastinum	pac
		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	Br40	mediastinum	pac
	2	sag neck	2mmx2mm	Br40	mediastinum	pac
	3	cor neck	2mmx2mm	Br40	mediastinum	pac
		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	Br40	mediastinum	pac
	2	lung	1mmx 1mm	Br36	lung	pac
	3	sag chest	2mmx2mm	Br40	mediastinum	pac
	4	cor chest	2mmx2mm	Br40	mediastinum	pac
Scan Start/end locatio	neck		/	chest		
	upper palette		/	1cm superior to apices		
	thru carina		/	Mid Heart		
DFOV	180cm		/	180cm		
	decrease appropriately					
IV contrast volume/typ	125ml Isovue 370@ 1.5ml/sec contrast should flow thru the entire neckscan					
Scan delay	50 seconds					