Low Dose Lung Screening 64 GE

Indications	Majority of patients screened ar				
	majority or pationite concerned an	Majority of patients screened are between the ages of 55 and 80, Have a smoking history of 30 pack years			
	If no longer smoking, stopped smoking in the past 15 years, Persons who have undergone chest CT within 12 months should be excluded				
	Screening should be discontinued once a person has not smoked for 15 years or develops a health problem that substantially				
	limits life expectancy or the ability or willingness to have curative lung surgery.				
Diagnostic Task	Detect abnormalities that may represent lung cancer and may require further diagnostic evaluation. Detect nodules and masses.				
	For individuals with no known signs or symptoms of lung cancer that have appropriate risk factors, such as those recommended by				
	professional societies and health care organizations. See the ACR LungCancer Screening Resources webpage for more informati				
Scan mode	Helical				
Position/Landmark	Head first-Supine Sternal Notch S50-I300				
Topogram	AP 120kV 20mA Lat 120kV 40mA				
kVp/Reference mass	120kv mA average pt				
Rotation time/pitch	0.5/0.984:1				
Detector Configuration	64x0.625				
Table Speed/Increment	39				
Dose reduction	Noise Index 32				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification va					
Helical Set	body	thickness		recon	
	recon part	spacing	algorithm	destination	
	1 chest	1.25mmx 1.25mm	standard	pacs	
	2 lung	1.25mmx 1.25mm	lung	pacs	
	3 sag chest	2mmx2mm	standard	pacs	
	4 coronal chest	2mmx2mm	standard	pacs	
	5 axial mip lung	10mmx2mm	standard	pacs	
Scan Start/end location	d data mip lang			ράου	
July Startend Iocation	lung apex lung base				
DFOV	35cm/decrease for lung recons				
IV contrast volume/type	na				
Scan delay	Approximate Values for CTDIvol				
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	Patient size SMALL	weight(kg) 50-70	weight(lbs) 110-155	CTDIvol(mGy) 0.25-2.8	
	AVERAGE	70-90	155-200	0.5-4.3	
	LARGE	90-120	200-265	1.0-5.6	
	*The ACR Reference Dose for a "standard size patient" (by definition, is approximately 5' 7" and 155 lbs or 170 cm and 70 kg				
		,	finition, is approximately 5'	7" and 155 lbs or 170 cm and 70 kg	
	with a BMI of about 24) is a	for a "standard size patient" (by def CTDIvol of less than 3 mGy. led NEMA XR29 Dose Notification Value	, 11	•	