Hand wrist small FOV 16 GE

Indications	Pain, swelling, fall, mva, trauma
Diagnostic Task	Detect fractures, dislocations, arthritis
Scan mode	Helical
Position/Landmark	Head first-prone-mid forearm S80-I80
Topogram	AP 120kV 10mA Lat 120kV 10mA
kVp/Reference mass	120kv 200mA
Rotation time/pitch	01.0/0.938:1
Detector Configuration	16x0.625
Table Speed/Increment	9.37
Dose reduction	Noise Index na
Allowed CTDI ranges*	7mGy-50mGy
XR29 Dose Notification value	50mGy

Helical Set

recon	body part	thickness spacing	recon algorithm	recon destination
1	hand/wrist bone	.625mmx .625mm	bone	pacs
2	soft tissue	.625mmx.625mm	standard	mpr 3d
3	hand/wrist	2.5mmx 2.5mm	standard	pacs
4	sag bone	2mmx2mm	bone	pacs
5	coronal bone	2mmx2mm	bone	pacs
6	sag soft tissue	2mmx2mm	standard	pacs
7	coronal soft tissue	2mmx2mm	standard	pacs

Scan Start/	hand-1cm superior to the distal radioulnar joint/ wrist-1cm superior distal radial diaphysis
end location	hand-through finger tips/ wrist-1cm inferior to third metacarpal base
DFOV	10-15cm
	decrease appropriately
3D Technique Used	do 3d spin with recon 2--20 images rotate externally-if fracture seen
IV contrast volume/type	100ml -isovue 370- if needed for soft tissue infection or mass
Scan delay	90seconds-Performed as directed by a the supervising radiologist
	Patient prone
	Arm of concern above head with elbow extended-Palm down
	use axial image to reformat sag and coronal reformats

Please see online MSK CT protocols for details

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Approved by Dr Wang