

CT Protocol Summary List						
Body Part	Protocol	Scan Area	Contrast	Timing	Recon/Comment	KVP/MA
Head	BRAIN WO	VERTEX THRU SKULL BASE			ANGLE GANTRY to "floor of the anterior cranial fossa/planum sphenoidale.". CORONAL	120 KVP, AUTO MA, MAX 355-500
	BRAIN WO (Bone Flap)	ENTIRE SKULL			CORONAL/SAGITTAL IN BONE AND 3D USING STD SERIES	120 KVP, AUTO MA MAX 335
	BRAIN STEALTH	THRU SKULL INCLUDING ALL FIDUCIALS	IF ORDERED 2.5 CC/SEC, 100CC	DELAY 60 SEC	NOT IN HEAD HOLDER. BURN DISC FOR SURGEON'S BOX AT THE SCMB	140 KVP, 270 MA
	BRAIN W	VERTEX THRU SKULL BASE	2.5 CC/SEC, 100CC	DELAY 60 SEC	NEED BRAIN WO ALSO, IF PT HAS NOT HAD A PRIOR WO. CORONAL	120 KVP, AUTO MA, MAX 355-500
	BRAIN WO & W (Venogram)	VERTEX THRU SKULL BASE	2.5 CC/SEC, 100CC	DELAY 60 SEC	CORONAL BOTH WO & W	120 KVP, AUTO MA, MAX 355-500
	CTA BRAIN	VERTEX TO C2	4cc/sec, 100cc	smart prep carotid artery	CORONAL/SAGITTAL, AXIAL MIP, 3D	120 KVP, AUTO MA
	CTA BRAIN/NECK	VERTEX TO CORINA	4cc/sec, 100cc	smart prep carotid artery	CORONAL/SAGITTAL, AXIAL MIP, 3D	120 KVP, AUTO MA
FACE	SINUS WO	FRONTAL SINUS THRU MAXILLARY TEETH			CORONAL/SAGITTAL	120 KVP, AUTO MA
	MAXIOFACIAL WO	FRONTAL SINUS THRU MANDIBLE			CORONAL/SAGITTAL	120 KVP, AUTO MA
	LANDMARX SINUS	TOP OF VERTEX THRU CANTHUS			NOT IN HEAD HOLDER. MAKE SURE TO INCLUDE ENTIRE HEAD AND NOSE. SEND THINS TO SECTRA. CORONAL/SAGITTAL	140 KVP, 110 MA

	MAXIOFACIAL W/	FRONTAL SINUS THRU MANDIBLE	2.5 cc/sec, 75cc	DELAY 60 SEC	CORONAL/SAGITTAL	120 KVP, AUTO MA
	MAXIOFACIAL WO & W	AREA OF INTEREST	2.5 cc/sec, 75cc	DELAY 60 SEC	SPECIALIST ONLY TO USE	120 KVP, AUTO MA
	LIMITED MANDIBLE (Salivary gland calculi)	TOP OF MANDIBLE THRU SOFT TISSUE UNDER CHIN.			CORONAL/SAGITTAL	120 KVP, AUTO MA
	ORBITS W	UPPER ORBITAL RIM THRU MAXILLA	2.5 cc/sec, 75cc	DELAY 60 SEC	CORONAL/SAGITTAL	120 KVP, AUTO MA
	ORBITS WO	UPPER ORBITAL RIM THRU MAXILLA			CORONAL/SAGITTAL	120 KVP, AUTO MA
	ORBITS WO & W	UPPER ORBITAL RIM THRU MAXILLA	2.5 cc/sec, 75cc	DELAY 60 SEC	SPECIALIST ONLY TO USE	120 KVP, AUTO MA
Temporal Bones/IACs	IAC WO	TOP OF EARS THRU MASTOIDS			10 CM OF EACH SIDE, CORONAL OF EACH SIDE	140 KVP, 110 MA
	IAC W/	TOP OF EARS THRU MASTOIDS	2.5 cc/sec, 75cc	DELAY 30 SEC	10 CM OF EACH SIDE, CORONAL OF EACH SIDE	140 KVP, 110 MA
	PULSATILE TINNITUS	WO- TOP OF EARS THRU MASTOIDS, CTA BRAIN/NECK, IAC W RECON,			IAC W RECON OFF OF CTA. CORONAL OF EACH SIDE WO & W	IAC- 140 KVP, 110 MA , CTA- 120 KVP, AUTO MA
	CISTERNOGRAM	protocol with PA/RAD			PRONE SINUS WO, THEN LUMBAR PUNCTURE IN XRAY, THEN PRONE SINUS PER PROTOCOL WITH PA/RAD	140 KVP, 110 MA
Soft Tissue Neck	NECK WO	EAM TO CARINA			SPECIALIST ONLY TO USE	120 KVP, AUTO MA

	NECK W/	EAM TO CARINA	2.5 cc/sec, 75cc	smart prep Jugular vein	CORONAL/SAGITTAL	120 KVP, AUTO MA
	4D PARATHYROID	WO-HYOID TO TOP OF CLAVICLE HEADS, ART/VEN - ANGLE OF THE MANIBLE TO CARINA.	4 cc/sec, 75cc	30 sec delay-ART, then 20 sec after scan- VEN	CORONAL/SAGITTAL	120 KVP, AUTO MA
	CTA CAROTID	TOP OF CIRCLE OF WILLIS TO CARINA	4cc/sec, 100cc	smart prep Carotid artery	CORONAL/SAGITTAL, AXIAL MIP, 3D	120 KVP, AUTO MA
Cervical Spine	C SPINE WO	SKULL BASE TO T1			increase kvp to 140 for metal implants CORONAL/SAGITTAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
	C SPINE W/	SKULL BASE TO T1	0.8 cc/sec, 75cc	DELAY 90 SEC	increase kvp to 140 for metal implants CORONAL/SAGITTAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
	C SPINE STEALTH	SKULL BASE TO T1			BURN DISC AND PLACE IN SURGEON'S BOX AT SCMB	120 KVP, AUTO MA
	C SPINE MYELOGRAM	SKULL BASE TO T1			L pucture in xray, SUPINE position, increase kvp to 140 for metal implants, CORONAL/SAGITTAL, CURVED CORONAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
Thoracic Spine	T SPINE WO	C7 THRU L1			increase kvp to 140 for metal implants CORONAL/SAGITTAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
	T SPINE W/	C7 THRU L1	1cc/sec, 100cc	DELAY 90 SEC	increase kvp to 140 for metal implants CORONAL/SAGITTAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
	T SPINE MYELOGRAM	C7 THRU L1			L pucture in xray, SUPINE position, increase kvp to 140 for metal implants, CORONAL/SAGITTAL, CURVED CORONAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
	T SPINE STEALTH				BURN DISC AND PLACE IN SURGEON'S BOX AT SCMB	120 KVP, AUTO MA

Lumbar Spine	L SPINE WO	T12 TO SACRAL NOTCH			increase kvp to 140 for metal implants CORONAL/SAGITTAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
	L SPINE W/	T12 TO SACRAL NOTCH	1cc/sec, 100cc	DELAY 90 SEC	increase kvp to 140 for metal implants CORONAL/SAGITTAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
	L SPINE STEALTH	TWO LEVELS ABOVE & TWO LEVELS BELOW AREA OF INTEREST			BURN DISC AND PLACE IN SURGEON'S BOX AT SCMB	120 KVP, AUTO MA
	L SPINE MYELOGRAM	T12 TO SACRAL NOTCH			L pucture in xray, SUPINE position, increase kvp to 140 for metal implants, CORONAL/SAGITTAL, CURVED CORONAL	120 KVP OR 140 KVP FOR METAL , AUTO MA
Chest	CHEST WO	LUNG APICES THRU ADRENALS			CORONAL/SAGITTAL, 1.25 STD IN LUNG, AXIAL LUNG MIPS	120 KVP, AUTO MA
	LOW DOSE LUNG SCREENING	LUNG APICES THRU LUNG BASES			CTDIvol under 3 mGy in less over 250 lbs can increase to just above 3 mGys, AXIAL LUNG MIPS, CORONAL, SAGITTAL	120 KVP <250 LBS, 140 KVP > 250 LBS, AUTO MA, MAX 80
	CHEST LD F/U	LUNG APICES THRU LUNG BASES			USED FOR LDCT F/U THAT IS BEFORE THE ANNUAL SCREENING TIME. CTDIvol under 3 mGy in less over 250 lbs can increase to just above 3 mGys, AXIAL LUNG MIPS, CORONAL, SAGITTAL	120 KVP <250 LBS, 140 KVP > 250 LBS, AUTO MA, MAX 80
	CHEST HR	LUNG APICES THRU LUNG BASES			INSPIRATION & EXPIRATION SERIES, CORONALS/SAGITTALS & AXIAL LUNG MIPS OF INSIRATION SERIES, 1.25 STD IN LUNG	120 KVP, AUTO MA, MAX 300 <250 LBS, MAX 350 > 250 LBS
	TRACHEOMALACIA	HYOID BONE THRU LUNG BASES			INSPIRATION & EXPIRATION SERIES, CORONALS, SAGITTALS, AXIAL LUNG MIPS, 3D Min IP CUT OUT LUNGS OF BOTH INSP/EXP SERIES, 1.25 STD IN LUNG FOR INSPIRATION SERIES	120 KVP, AUTO MA
	CHEST W/	LUNG APICES THRU ADRENALS	2.5cc/sec, 75cc	smart prep mid chest aorta, or delay 40 sec	CORONAL/SAGITTAL, AXIAL LUNG MIPS, 1.25 STD IN LUNG	120 KVP, AUTO MA

	PULMONARY ANGIO (PE)	LUNG APICES THRU LUNG BASES	4cc/sec, under 100cc	timing bolus or auto trigger at Pulmonary	PE CORONAL	120 KVP <250 LBS, 140 KVP > 250 LBS, AUTO MA, MAX 80
	CARDIAC CALCIUM SCORING	CARINA THRU BASE OF HEART			GATED STUDY, REPORT GENERATED IN TERA RECON	120 KVP, FIXED 300 MA
	CHEST VENOGRAM	APEX THRU LUNG BASES	2.5cc/sec, 100cc	DELAY 75 SEC	PE CORONAL & AXIAL LUNG MIPS	120 KVP, AUTO MA
	PULMONARY VEIN MAPPING	ARCH THRU HEART BASE	4cc/sec, 100cc	smart prep Ascending aorta	GATED STUDY, CORONALS, 3D	120 KVP <250 LBS, 140 KVP > 250 LBS, AUTO MA, MAX 80
	CORONARY ANGIO	20 mm above timng bolus thru 20mm below base of heart	5cc/sec, under 100cc	timing bolus Left main origin	GATED STUDY, WORKSTATION ANALYSIS OF VESSELS	120 KVP, MA PER BMI
	CHEST ANGIO	LUNG APICES THRU BASE OF HEART	4cc/sec, 150cc	smart prep Arch	CORONAL/SAGITTAL & CANDY CANE VIEW, AXIAL MIPS, 3D	120 KVP <250 LBS, 140 KVP > 250 LBS, AUTO MA, MAX 80
	CHEST ANGIO- stent/graft	LUNG APICES THRU BASE OF HEART	4cc/sec, 150cc	smart prep Arch	GATED STUDY FOR ASCENDING AORTA INVOLVEMENT, WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL/SAGITTAL & CANDY CANE VIEW, AXIAL MIPS, 3D	120 KVP <250 LBS, 140 KVP > 250 LBS, AUTO MA, MAX 80
	CHEST ANGIO- for Acute chest pain	LUNG APICES THRU BASE OF HEART	4cc/sec, 150cc	smart prep Arch	WO OF ENTIRE CHEST, CORONAL/SAGITTAL & CANDY CANE VIEW, AXIAL MIPS, 3D	120 KVP <250 LBS, 140 KVP > 250 LBS, AUTO MA, MAX 80
	GATED CHEST	LUNG APICES THRU BASE OF HEART,	4cc/sec, 150cc	smart prep Ascending aorta	CORONAL/SAGITTAL & CANDY CANE VIEW, AXIAL MIPS, 3D	WO/DELAY- 120 KVP, AUTO MA, GATED- 120 KVP, FIXED 300-350 MA
	GATED CHEST- stent/graft	LUNG APICES THRU BASE OF HEART,	4cc/sec, 150cc	smart prep Ascending aorta	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL/SAGITTAL & CANDY CANE VIEW, AXIAL MIPS, 3D	WO/DELAY- 120 KVP, AUTO MA, GATED- 120 KVP, FIXED 300-350 MA

	GATED CHEST-for Acute chest pain	LUNG APICES THRU BASE OF HEART,	4cc/sec, 150cc	smart prep Ascending aorta	GATED STUDY FOR ASCENDING AORTA, WO OF ENTIRE CHEST , CORONAL/SAGITTAL & CANDY CANE VIEW, AXIAL MIPs, 3D	WO/DELAY- 120 KVP, AUTO MA, GATED- 120 KVP, FIXED 300-350 MA
Abdomen	ABD WO	DOMES OF LIVER TO ILIAC CREST			CORONAL & SAGITTAL	120 KVP, AUTO MA
	ABD W/	DOMES OF LIVER TO ILIAC CREST	2.5cc/sec, 100cc	smart prep Liver	CORONAL & SAGITTAL	120 KVP, AUTO MA
	ADRENAL lesion/mass ,	WO- THRU ADRENALS, W- DOMES OF LIVER TO ILIAC CREST, 15 MIN DELAY- THRU ADRENALS	2.5cc/sec, 100cc	smart prep Liver	WATER PREP, CORONAL & SAGITTAL	120 KVP, AUTO MA
	RENAL Bosniak cyst, lesion/mass , F/U Renal Ablation	WO- THRU RENALS, ART- THRU RENALS, VEN- DOMES OF LIVER TO ILIAC CREST, 5 MIN DELAY- THRU RENALS	3.5cc/sec, 100cc	smart prep Aorta	WATER PREP, CORONAL & SAGITTAL	120 KVP, AUTO MA
	PANCREAS psuedocyst, lesion/mass	WO- THRU PANCREAS, ART- THRU PANCREAS, VEN- DOMES OF LIVER TO ILIAC CREST	3.5cc/sec, 100cc	smart prep Aorta	WATER PREP, CORONAL & SAGITTAL	120 KVP, AUTO MA
	LIVER- TRI PHASE Hepatitis C, Cirrhosis, Liver Cancer, Liver mass	ART- THRU LIVER, VEN & DELAY- DOMES OF LIVER TO ILIAC CREST	5cc/sec, 150cc	smart prep Aorta	WATER PREP, CORONAL & SAGITTAL	120 KVP, AUTO MA
	LIVER - 4 PHASE f/u ablation, Y90, Chembo, TACE	WO- THRU LIVER, ART- THRU LIVER, VEN & DELAY- DOMES OF LIVER TO ILIAC CREST	5cc/sec, 150cc	smart prep Aorta	WATER PREP, CORONAL & SAGITTAL	120 KVP, AUTO MA
	ABD ANGIO	DOMES OF LIVER TO ILIAC CREST	4cc/sec, 100cc	smart prep Aorta	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT , CORONAL & SAGITTAL, AXIAL MIPs 3D	120 KVP, AUTO MA

Abdomen/Pelvis	ABD/PEL WO	DOMES OF LIVER THRU PELVIC BONES			CORONAL & SAGITTAL	120 KVP, AUTO MA
	URINARY TRACT (UT)	DOMES OF LIVER THRU PELVIC BONES			NO PREP. FULL BLADDER, IF POSSIBLE	120 KVP, AUTO MA
	ABD/PEL WO- <i>HERNIA</i>	DOMES OF LIVER THRU PELVIC BONES			VALSALVA MANUAVER PERFORMED, CORONAL & SAGITTAL	120 KVP, AUTO MA
	ABD/PEL W/- <i>HERNIA</i>	DOMES OF LIVER THRU PELVIC BONES	2.5cc/sec, 100-150cc	smart prep Liver	VALSALVA MANUAVER PERFORMED, CORONAL & SAGITTAL	120 KVP, AUTO MA
	ABD/PEL W/ <i>ROUTINE, HYPOVASCULAR</i>	DOMES OF LIVER THRU PELVIC BONES	2.5cc/sec, 100-150cc	smart prep Liver	CORONAL & SAGITTAL	120 KVP, AUTO MA
	ABD/PEL W/ <i>HYPERVASCULAR</i>	ART- DOMES OF LIVER THRU PELVIC BONES, VEN- THRU LIVER	3.5cc/sec, 100-150cc	smart prep Aorta	CORONAL & SAGITTAL	120 KVP, AUTO MA
	ABD/PEL W/- <i>VENOGRAM</i>	VEN & 3 MIN DELAY- DOMES OF LIVER THRU PELVIC BONES	2.5cc/sec, 150cc	DELAY 90 SEC	CORONAL & SAGITTAL FOR BOTH VENOGRAM & DELAY	120 KVP, AUTO MA
	COLONGRAPHY	SUPINE & PRONE- DOMES OF LIVER THRU RECTUM			SEND THINS TO SECTRA. FLIP PRONE SERIES, CORONAL BOTH SUPINE/PRONE	120 KVP, AUTO MA, NI 17, ASIR 50%
	ENTEROGRAPHY	DOMES OF LIVER THRU PELVIC BONES	2.5cc/sec, 100-150cc	DELAY 45 SEC	CORONAL & SAGITTAL	120 KVP, AUTO MA
	UROGRAM	WO- DOMES OF LIVER TO ILIAC CREST, PVP & URO- DOMES OF LIVER THRU PELVIC BONES	2.5cc/sec, 150cc	DELAY 90 SEC	CORONAL & SAGITTAL OF PVP, URO THICK MIP OF URO PHASE, 3D	120 KVP, AUTO MA
	ABD/PEL ANGIO	DOMES OF LIVER THRU PELVIC BONES	4cc/sec, 100cc	smart prep Aorta	CORONAL & SAGITTAL, AXIAL MIPs, 3D	120 KVP, AUTO MA

	ABD/PEL ANGIO-stent/graft	DOMES OF LIVER THRU PELVIC BONES	4cc/sec, 100cc	smart prep Aorta	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL & SAGITTAL, AXIAL MIPs,3D	120 KVP, AUTO MA
	ABD/PEL BIL RUNOFF	DOMES OF LIVER THRU TOES	4cc/sec, 150cc	smart prep Mid Thigh	CORONAL & SAGITTAL, AXIAL MIPs, 3D	120 KVP, AUTO MA
	ABD/PEL BIL RUNOFF-stent/graft	DOMES OF LIVER THRU TOES	4cc/sec, 150cc	smart prep Mid Thigh	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL & SAGITTAL, AXIAL MIPs, 3D	120 KVP, AUTO MA
Chest/Abdomen/ Pelvis	CHEST ABD PELVIS WO	LUNG APICES THRU PELVIC BONES			CHEST CORONAL/ SAGITTALS, AXIAL LUNG MIP, 1.25 STD IN LUNG, ABD CORONAL & SAGITTAL	120 KVP, AUTO MA
	MYELOMA WHOLE BODY	TOP OF VERTEX THRU BELOW KNEES			ONLY DONE IN PET ROOM- 70 CM FOV, CORONAL & SAGITTAL - STD ALGORITHM WITH BONE WINDOW	120 KVP, AUTO MA WITH 100 MAX
	CHEST ABD PELVIS W/ ROUTINE, HYPOVASCULAR	APICES THRU LUNG BASES, A/P- DOME OF LIVER THRU PELVIC BONES	2.5cc/sec, 100-150cc	smart prep Mid Aorta	A/P IS A PORTAL VENOUS PHASE, CHEST CORONAL/SAGITTALS, AXIAL LUNG MIP, 1.25 STD IN LUNG, ABD CORONAL & SAGITTAL	120 KVP, AUTO MA
	CHEST ABD PELVIS W/ HYPERVASCULAR	ART- APICES THRU PELVIC BONES, VEN- ENTIRE LIVER	3.5 cc/sec, 100-150cc	smart prep Mid Aorta	LIVER IS A PORTAL VENOUS PHASE, CHEST CORONAL/SAGITTALS, AXIAL LUNG MIP, 1.25 STD IN LUNG, ABD CORONAL & SAGITTAL BOTH ART & VEN	120 KVP, AUTO MA
	CHEST ABD PELVIS W/ TRAUMA	LUNG APICES THRU PELVIC BONES	2.5cc/sec, 150cc	DELAY 50-60 SEC	CHEST CORONAL/SAGITTALS, AXIAL LUNG MIP, ABD CORONAL & SAGITTAL, BONE SAGITTAL,1.25 STD IN LUNG	120 KVP, AUTO MA
	TAVR	GATED AORTIC ARCH THRU HEART, THEN MID NECK THRU LOW GROIN	5cc/sec, 150cc	smart prep Ascending aorta	IV IN RIGHT ARM, WASHED OUT RIGHT ATRIUM FOR GATED HEART	GATED- 120 KVP, FIXED 300-350 MA
	TRAM	PUBIC BONE TO 1ST RIB	4cc/sec, 125cc	smart prep Femoral Artery	INCLUDE ENTIRE SKIN, CORONAL & SAGITTAL MIPs, CORONAL 0.625, 0.625 MM THINS TO SECTRA, 4D OF SKIN SURFACE ON TERA RECON	120 KVP, AUTO MA
	TDAP	ASIS THRU CLAVICLE	4cc/sec, 125cc	smart prep Mid Aorta	INCLUDE ENTIRE SKIN, CORONAL & SAGITTAL MIPs, CORONAL 0.625, 0.625 MM THINS TO SECTRA, 4D OF SKIN SURFACE ON TERA RECON	120 KVP, AUTO MA

	AORTA	AORTIC ARCH THRU LESSER TROCHANTER	4cc/sec, 125cc	smart prep Mid Aorta	CORONAL & SAGITTAL, CANDY CANE VIEW, AXIAL MIPs,3D	120 KVP, AUTO MA
	AORTA- stent/graft	AORTIC ARCH THRU LESSER TROCHANTER	4cc/sec, 125cc	smart prep Mid Aorta	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL & SAGITTAL, CANDY CANE VIEW, AXIAL MIPs,3D	120 KVP, AUTO MA
	CHEST/ABD AORTA BIL RUNOFF	AORTIC ARCH THRU TOES	4cc/sec, 150cc	smart prep Mid thigh	CORONAL & SAGITTAL, CANDY CANE VIEW, AXIAL MIPs,3D	120 KVP, AUTO MA
	CHEST/ABD AORTA BIL RUNOFF- stent/graft	AORTIC ARCH THRU TOES	4cc/sec, 150cc	smart prep Mid thigh	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL & SAGITTAL, CANDY CANE VIEW, AXIAL MIPs,3D	120 KVP, AUTO MA
Pelvis	PELVIS WO	ILIAC CREST THRU PELVIC BONES			CORONAL & SAGITTAL	120 KVP, AUTO MA
	PELVIS BONE	ILIAC CREST THRU LESSER TROCHANTER			BONE CORONAL & BONE SAGITTAL, 3D IF FX, IF METAL HARDWARE USE 140 KVP & METAL SUPPRESSION 3D	120 KVP, AUTO MA
	PELVIS W/	ILIAC CREST THRU PELVIC BONES	2.5cc/sec, 100cc	DELAY 60-100 SEC	CORONAL & SAGITTAL	120 KVP, AUTO MA
	PELVIS PROSTATE PLANNING	ILIAC CREST THRU PELVIC BONES	4cc/sec, 125cc	smart prep Mid Aorta	CONED VIEW, CORONAL & SAGITTAL, 3D, USE MAR IF METAL IMPLANTS	120 KVP (140 FOR METAL), AUTO MA
	PELVIS ANGIO	ILIAC CREST THRU LESSER TROCHANTER	4cc/sec, 125cc	smart prep Mid Aorta	CORONAL & SAGITTAL, AXIAL MIPs,3D	121 KVP (140 FOR METAL), AUTO MA
	PELVIS ANGIO- stent/graft	ILIAC CREST THRU LESSER TROCHANTER	4cc/sec, 125cc	smart prep Mid Aorta	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL & SAGITTAL, AXIAL MIPs, 3D	121 KVP (140 FOR METAL), AUTO MA
Upper Extremities	HAND WO	FINGERS THRU WRIST			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA

	HAND W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	WRIST WO	INCLUDE JOINT & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	WRIST W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	SCAN AFTER ALL CONTRAST IN, CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	FOREARM WO	INCLUDE BOTH JOINTS & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	FOREARM W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	ELBOW WO	INCLUDE JOINT & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	ELBOW W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	HUMERUS WO	INCLUDE BOTH JOINTS & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	HUMERUS W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	SHOULDER WO	TOP OF SHOULDER THRU SCAPULA			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	SHOULDER- BLUEPRINT	TOP OF SHOULDER THRU SCAPULA			BURN A DISC FOR PICKUP, PUT IN SECTRA AS NON-REPORTABLE	120 KVP (140 FOR METAL), AUTO MA
	SHOULDER W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA

	ARTHROGRAM	INCLUDE ALL CONTRAST INJECTED			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL OF BOTH BONE & STD	120 KVP (140 FOR METAL), AUTO MA
	CTA PF FLAP	SCAN THRU AREA OF INTEREST FROM INFERIOR TO SUPERIOR	4cc/sec, 100cc	smart prep distal to are of interest	INCLUDE ENTIRE SKIN, CORONAL & SAGITTAL MIPs, CORONAL 0.625, 0.625 MM THINS TO SECTRA, 4D OF SKIN SURFACE ON TERA RECON	120 KVP, AUTO MA
	UPPER EXT ANGIO	TOP OF SHOULDER THRU FINGERS	4cc/sec, 100cc	smart prep lower thigh	CORONAL & SAGITTAL, AXIAL MIPs, 3D	120 KVP, AUTO MA
	UPPER EXT ANGIO-stent/graft	TOP OF SHOULDER THRU FINGERS	4cc/sec, 100cc	smart prep lower thigh	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL & SAGITTAL, AXIAL MIPs, 3D	120 KVP, AUTO MA
Lower Extremities	FOOT WO	ANKLE THRU TOES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	FOOT W/	ANKLE THRU TOES	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	ANKLE WO	INCLUDE JOINT & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	ANKLE W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	TIB/FIB WO	INCLUDE JOINTS & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	TIB/FIB W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	KNEE WO	INCLUDE JOINT & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA

	KNEE W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	FEMUR WO	INCLUDE JOINTS & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	FEMUR W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	HIP WO	INCLUDE JOINT & ANY FRACTURES			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL, 3D OF COMPLEX FRACTURE	120 KVP (140 FOR METAL), AUTO MA
	HIP W/	INCLUDE ALL SWELLING/REDNESS	2.5cc/sec, 100cc	scan after all contrast is in	CORONAL & SAGITTAL	120 KVP (140 FOR METAL), AUTO MA
	ARTHROGRAM	INCLUDE ALL CONTRAST INJECTED			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL OF BOTH BONE & STD	120 KVP (140 FOR METAL), AUTO MA
	MAKO KNEE	HIP- GREATER SCIATIC NOTCH THRU LESSER TROCHANTER, KNEE- 10CM ABOVE & 10 CM BELOW KNEE, ANKLE- THRU ANKLE JOINT			METAL IMPLANTS NEED 140 KVP, SEND IMAGES DIRECT TO MAKO, PUT IN SECTRA AS NON-REPORTABLE	120 KVP (140 FOR METAL), AUTO MA
	MAKO HIP	ENTIRE PELVIS THRU MID THIGH, KNEE- 10 CM PROXIMAL TO JOINT THRU JOINT			METAL IMPLANTS NEED 140 KVP, SEND IMAGES DIRECT TO MAKO, PUT IN SECTRA AS NON-REPORTABLE	120 KVP (140 FOR METAL), AUTO MA
	PELVIS ANTEVERSION	ILIA CREST TO 2 CM BELOW LESSER TROCHANTER, FEMURAL CONDYLES THRU BOTH KNEE JOINTS, THRU ANKLE JOINT			METAL IMPLANTS NEED 140 KVP, CORONAL & SAGITTAL PELVIS, 3D INDIVIDUAL FEMORAL HEAD/NECK	120 KVP (140 FOR METAL), AUTO MA

	CTA PF FLAP	SCAN THRU AREA OF INTEREST FROM INFERIOR TO SUPERIOR	4cc/sec, 100cc	smart prep distal to are of interest	INCLUDE ENTIRE SKIN, CORONAL & SAGITTAL MIPs, CORONAL 0.625, 0.625 MM THINS TO SECTRA, 4D OF SKIN SURFACE ON TERA RECON	120 KVP, AUTO MA
	BILATERAL LOWER EXT ANGIO	PELVIS THRU TOES	4cc/sec, 100cc	smart prep lower thigh	CORONAL & SAGITTAL, AXIAL MIPs, 3D	120 KVP, AUTO MA
	BILATERAL LOWER EXT ANGIO- stent graft	PELVIS THRU TOES	4cc/sec, 100cc	smart prep lower thigh	WO & DELAY 3 MIN IMAGING ONLY THRU STENT/GRAFT, CORONAL & SAGITTAL, AXIAL MIPs, 3D	120 KVP, AUTO MA