

Anatomical Region	Measurement (cm) Medium	Exam	KVP	SID	Grid	Small	Medium MAS	Large	
Skull	18 to 21	Skull PA/AP	80	40	Yes	12	20	30	
	14 to 17	Skull Lateral	80	40	Yes	6	12	18	
	S#200-400	18 to 21	Skull Townes, Waters	85	40	Yes	12	24	40
	14 to 17	Facial Bones Lat. (Bucky)	80	40	Yes	6	10	12	
	14 to 17	Facial Bones Lat. (Non-Bucky)	60	40	No	2	4	6	
	18 to 21	Nasal Bones (Non-Bucky)	60	40	No	2	3	4	
	11 to 14	Cervical AP/OBL	80	40	Yes	6	12	18	
	11 to 14	Cervical Lateral	80	72	Yes	18	28	45	
	S#200-400	11 to 14	Cervical Odontoid	80	40	Yes	8	14	20
	21 to 25	C-7/T-1 Swimmers	85	40	Yes	24	40	64	
	20 to 24	Thoracic AP/OBL	80	40	Yes	18	28	40	
	28 to 32	Thoracic Lateral	85	40	Yes	25	35	50	
	18 to 22	Lumbar Spine AP/OBL	80	40	Yes	24	40	64	
	27 to 32	Lumbar Spine Lateral	85	40	Yes	30	64	100	
	27 to 32	Lumbar L-5/S-1 Spot	90	40	Yes	30	64	100	
Chest	20 to 25	Chest PA	110	72	Yes	4	6	10	
	27 to 32	Chest Lateral	110	72	Yes	8	12	20	
	S#200-400	20 to 25	Chest Portable (GRID)	100	72	Yes	5	6	8
	20 to 25	Chest Portable (Non-GRID)	85	72	No	3.2	5	6	
			(GRID)	95	60	Yes	3.2	5	6
		(GRID)	90	40	Yes	2	3.2	5	
Thorax	20 to 25	Sternum RAO	80	40	Yes	20	30	40	
	27 to 32	Sternum Lateral	85	40	Yes	30	40	50	
	S#200-400	20 to 25	Ribs AP/PA/OBL Upper	70	40	Yes	15	25	40
	20 to 25	Ribs AP/PA/OBL Lower	80	40	Yes	20	36	50	
	Shoulder	12 to 16	Shoulder AP	80	40	Yes	6	12	15
S#75-200		4 to 6	Shoulder Axillary (Non-Bucky)	70	40	No	3	5	8
12 to 16		Scapula AP	80	40	Yes	10	20	36	
13 to 17		Scapula Lateral	80	40	Yes	12	24	40	
Abdomen		18 to 22	Abdomen - KUB	80	40	Yes	24	40	64
	18 to 22	Abdomen - Upright/Decubitus	85	40	Yes	28	48	64	
	S#200-400	18 to 22	Barium Studies (GI, BE)	100	40	Yes	AEC	AEC	AEC
	18 to 22	Contrast Studies (IVP, GB)	80	40	Yes	AEC	AEC	AEC	
	Pelvis	19 to 23	Pelvis AP	80	40	Yes	24	40	64
S#200-400		17 to 21	Hip	80	40	Yes	20	35	50
17 to 21		Hip X-Table Lateral	85	40	Yes	25	40	60	
Upper-Extremity		1.5 to 4	Fingers	60	40	No		1	
		3 to 5	Hand AP/OBL	60	40	No	1	2	3.2
	S#75-200	3 to 5	Hand Lateral	60	40	No	2	3	4.5
	3 to 6	Wrist AP/OBL	60	40	No	1	2	3.2	
	3 to 6	Wrist Lateral	60	40	No	2	3	4.5	
	6 to 8	Forearm AP	60	40	No	2	3	5	
	6 to 8	Forearm Lateral	60	40	No	2	3	5	
	6 to 8	Elbow	60	40	No	2	3	5	
	7 to 10	Humerus (Bucky)	75	40	Yes	6	10	15	
		(Non-Bucky)	65	40	No	4	6	12	
Lower-Extremity	1.5 to 4	Toes	60	40	No	0.5	1	1.5	
	6 to 8	Foot AP/OBL	60	40	No		3		
	S#75-200	6 to 8	Foot Lateral	60	40	No		3	
	8 to 10	Os calsis	60	40	No		6		
	8 to 10	Ankle AP - Mortise	60	40	No		3		
	8 to 10	Ankle Lateral	60	40	No		3		
	10 to 12	Tib-Fib AP	60	40	No		3		
	10 to 12	Tib-Fib Lateral	60	40	No		3		
	10 to 13	Knee AP - Lateral (Bucky)	80	40	Yes	6	12	20	
	10 to 13	Knee AP - Lateral (Non-Bucky)	60	40	No		4		
	10 to 13	Knee Tunnel	70	40	No		6		
	10 to 13	Knee Sunrise	70	40	No		1		
	14 to 17	Femur AP/Lateral	80	40	Yes	15	25	40	

CR Exposure Guide: This form can be used as a reference in the development of an exposure guide. Use the fill-in version of this form to help develop a Technique Chart for each of your exposure rooms.

Anatomical Region	Measurement (cm) Medium	Exam	KVP	SID	Grid	Small	Medium MAS	Large	
Skull	18 to 21	Skull PA/AP	80	40	Yes				
	14 to 17	Skull Lateral	80	40	Yes				
	S#	18 to 21	Skull Townes, Waters	85	40	Yes			
		14 to 17	Facial Bones Lat. (Bucky)	80	40	Yes			
		14 to 17	Facial Bones Lat. (Non-Bucky)	60	40	No			
		18 to 21	Nasal Bones (Non-Bucky)	60	40	No			
Spine	11 to 14	Cervical AP/OBL	80	40	Yes				
	S#	11 to 14	Cervical Lateral	80	72	Yes			
		11 to 14	Cervical Odontoid	80	40	Yes			
		21 to 25	C-7/T-1 Swimmers	85	40	Yes			
		20 to 24	Thoracic AP/OBL	80	40	Yes			
		28 to 32	Thoracic Lateral	85	40	Yes			
		18 to 22	Lumbar Spine AP/OBL	80	40	Yes			
		27 to 32	Lumbar Spine Lateral	85	40	Yes			
		27 to 32	Lumbar L-5/S-1 Spot	90	40	Yes			
Chest	20 to 25	Chest PA	110	72	Yes				
	S#	27 to 32	Chest Lateral	110	72	Yes			
		20 to 25	Chest Portable (GRID)	100	72	Yes			
		20 to 25	Chest Portable (Non-GRID)	85	72	No			
			(GRID)	95	60	Yes			
			(GRID)	90	40	Yes			
Thorax	20 to 25	Sternum RAO	80	40	Yes				
	S#	27 to 32	Sternum Lateral	85	40	Yes			
		20 to 25	Ribs AP/PA/OBL Upper	70	40	Yes			
		20 to 25	Ribs AP/PA/OBL Lower	80	40	Yes			
Shoulder	12 to 16	Shoulder AP	80	40	Yes				
	S#	4 to 6	Shoulder Axillary (Non-Bucky)	70	40	No			
		12 to 16	Scapula AP	80	40	Yes			
		13 to 17	Scapula Lateral	80	40	Yes			
Abdomen	18 to 22	Abdomen - KUB	80	40	Yes				
	S#	18 to 22	Abdomen - Upright/Decubitus	85	40	Yes			
		18 to 22	Barium Studies (GI, BE)	100	40	Yes	AEC	AEC	AEC
		18 to 22	Contrast Studies (IVP, GB)	80	40	Yes	AEC	AEC	AEC
Pelvis	19 to 23	Pelvis AP	80	40	Yes				
	S#	17 to 21	Hip	80	40	Yes			
		17 to 21	Hip X-Table Lateral	85	40	Yes			
Upper-Extremity	1.5 to 4	Fingers	60	40	No				
	S#	3 to 5	Hand AP/OBL	60	40	No			
		3 to 5	Hand Lateral	60	40	No			
		3 to 6	Wrist AP/OBL	60	40	No			
		3 to 6	Wrist Lateral	60	40	No			
		6 to 8	Forearm AP	60	40	No			
		6 to 8	Forearm Lateral	60	40	No			
		6 to 8	Elbow	60	40	No			
		7 to 10	Humerus (Bucky)	75	40	Yes			
			(Non-Bucky)	65	40	No			
Lower-Extremity	1.5 to 4	Toes	60	40	No				
	S#	6 to 8	Foot AP/OBL	60	40	No			
		6 to 8	Foot Lateral	60	40	No			
		8 to 10	Os calsis	60	40	No			
		8 to 10	Ankle AP - Mortise	60	40	No			
		8 to 10	Ankle Lateral	60	40	No			
		10 to 12	Tib-Fib AP	60	40	No			
		10 to 12	Tib-Fib Lateral	60	40	No			
		10 to 13	Knee AP - Lateral (Bucky)	80	40	Yes			
		10 to 13	Knee AP - Lateral (Non-Bucky)	60	40	No			
		10 to 13	Knee Tunnel	70	40	No			
		10 to 13	Knee Sunrise	70	40	No			
		14 to 17	Femur AP/Lateral	80	40	Yes			

Use this Fill-in Chart to record exposure factors needed to produce Technique Chart in compliance with Facilities Images should not be rejected or repeated because of S value alone. Facilities should establish the "Typical S Value Range" based on the image quality preferences of the radiologist and after review by your medical physicist.