



## Computed Radiography Pediatric Radiography Exposure Guide

<u>ANATOMICAL REGION</u>	<u>AGE</u>	<u>MEASUREMENT (CM)</u>	<u>EXAM</u>	<u>KVP</u>	<u>SID</u>	<u>GRID</u>	<u>SM.</u>	<u>MED.</u>	<u>LG.</u>
Skull	0 to 6 mos.	12 to 15 CM	Skull PA/AP	70	40	Yes			
	0 to 6 mos.	8 to 11 CM	Skull Lateral	65	40	Yes			
S#100-500	0 to 6 mos.	12 to 15 CM	Skull Townes, Waters	75	40	Yes			
	6 mos. to 1 yr.	14 to 17 CM	Skull PA/AP	75	40	Yes			
	6 mos. to 1 yr.	9 to 12 CM	Skull Lateral	65	40	Yes			
	6 mos. to 1 yr.	14 to 17 CM	Skull Townes, waters	75	40	Yes			
	1 yr. to 4 yr.	15 to 18 CM	Skull PA/AP	70	40	Yes			
	1 yr. to 4 yr.	10 to 14 CM	Skull Lateral	65	40	Yes			
	1 yr. to 4 yr.	15 to 18 CM	Skull Townes, Waters	75	40	Yes			
	4 yrs. to 12 yrs.	16 to 20 CM	Skull PA/AP	74	40	Yes			
	4 yrs. to 12 yrs.	16 to 20 CM	Skull Lateral	68	40	Yes			
Spine	0 to 3 yrs.	4 to 10 CM	Cervical AP/OBL	65	40	Yes			
	0 to 3 yrs.	4 to 10 CM	Cervical Lateral	65	48	No			
S#100-500	3 yrs. to 12 yrs.	8 to 12 CM	Cervical AP/OBL	70	40	Yes			
	3 yrs. to 5 yrs.	8 to 10 CM	Cervical Lateral	70	72	No			
	6 yrs. to 12 yrs.	8 to 12 CM	Cervical Lateral	74	72	Yes			
	0 to 3 yrs.	10 to 16 CM	Thoracic/Lumbar AP	70	40	Yes			
	0 to 3 yrs.	10 to 16 CM	Thoracic/Lumbar Lat.	75	40	Yes			
	6 yrs. to 12 yrs.	14 to 20 CM	Lumbar AP	78	40	Yes			
Chest	0 to 3 yrs.	11 to 14 CM	Chest AP	70	48	No			
	0 to 3 yrs.	14 to 20 CM	Chest Lat.	76	48	No			
S#200-700	4 yrs. to 7 yrs.	14 to 20 CM	Chest AP	70	48	No			
	4 yrs. to 7 yrs.	14 to 20 CM	Chest Lat.	76	48	No			
	8 yrs. to 16 yrs.	15 to 22 CM	Chest AP	95 100	72	Yes			
	8 yrs. to 16 yrs.	21 to 28 CM	Chest Lat.	68	72	Yes			
		8 to 15 CM	Chest Portable	100	40	No			
		16 to 21 CM	Chest Portable	70	40	Yes			
		8 to 15 CM	Chest/Abd. Portable	75	40	No			
Abdomen	0 to 3 yrs.	8 to 14 CM	Abdomen – KUB	78	40	Yes			
S#200-700	4 yrs. to 12 yrs.	12 to 20 CM	Abdomen – KUB	75	40	Yes			
	12 yrs. to 16 yrs.	14 to 22 CM	Abdomen – KUB	75	40	Yes			
Pelvis	0 to 3 yrs.	8 to 14 CM	Pelvis AP	78	40	Yes			
S#200-700	4 yrs. to 12 yrs.	12 to 20 CM	Pelvis AP	80	40	Yes			
	12 yrs. to 16 yrs.	14 to 23 CM	Pelvis AP	80	40	Yes			
	4 yrs. to 12 yrs.	10 to 18 CM	Hip AP	80	40	Yes			
	12 yrs. to 16 yrs.	14 to 22 CM	Hip AP	80	40	Yes			



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Upper Extremity	0 to 3 yrs.		Hand, AP/OBL	50	40	No				
	4 yrs. to 12 yrs.		Hand, AP/OBL	55	40	No				
S#75-200	4 yrs. to 12 yrs.		Hand, Lat.	60	40	No				
	0 to 3 yrs.		Wrist	55	40	No				
	4 yrs. to 12 yrs.		Wrist	60	40	No				
	0 to 3 yrs.		Forearm	55	40	No				
	4 yrs. to 12 yrs.		Forearm	60	40	No				
	0 to 3 yrs.		Elbow	55	40	No				
	4 yrs. to 12 yrs.		Elbow	60	40	No				
	0 to 3 yrs.		Humerus	60	40	No				
	4 yrs. to 12 yrs.		Humerus	65	40	Yes				
	0 to 3 yrs.		Shoulder	60	40	No				
	4 yrs. to 12 yrs.		Shoulder	65	40	Yes				
	Lower Extremity	0 to 3 yrs.		Foot, AP/OBL	55	40	No			
		4 yrs. to 12 yrs.		Foot, AP/OBL	55	40	No			
S#75-200	0 to 3 yrs.		Foot, Lat.	60	40	No				
	4 yrs. to 12 yrs.		Foot, Lat.	60	40	No				
	0 to 3 yrs.		Ankle AP/OBL/Lat.	55	40	No				
	4 yrs. to 12 yrs.		Ankle AP/OBL/Lat.	60	40	No				
	0 to 3 yrs.		Lower Leg, AP/Lat.	55	40	No				
	4 yrs. to 12 yrs.		Lower Leg, AP/Lat.	60	40	No				
	0 to 3 yrs.		Knee, AP/Lat.	55	40	No				
	4 yrs. to 12 yrs.		Knee, AP/Lat.	65	40	Yes				
	0 to 3 yrs.		Femur	60	40	No				
	4 yrs. to 12 yrs.		Femur	70	40	Yes				

**Disclaimer for fill-in worksheet:**

Use this fill-in chart to record the exposure factors needed to produce a Technique Chart in compliance with your facilities requirements.

Images should not be rejected or repeated because of S Values alone.

Facilities should establish the "Typical S Value Ranges" based on the image quality preferences of the Radiologist and after review by your medical physicist.