

EXPOSURE CHART

LUMBAR SPINE

Body Part	Grid	mAs	CM	kVp
AP Lumbar	Y	15	13-14	80
	44"	22.5	15-16	80
		30	17-18	80
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OBLIQUE Lumbar	Grid	mAs	CM	kVp
	Y	Increase AP		same as AP
	44"	by 50%		

Medium		
mAs	CM	kVp
30	19-20	86
45	21-22	86
60	23-24	86
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mAs	CM	kVp
Increase AP		same as AP
by 50%		

Large		
mAs	CM	kVp
60	25-26	92
90	27-28	92
120	29-30	92
180	31-32	84 - 98
240	33-34	84 - 98
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mAs	CM	kVp
Increase AP		same as AP
by 50%		

Small				
Grid	mAs	CM	kVp	
LATERAL Lumbar	Y	30	22-23	90
	44"	45	24-25	90
		60	26-27	90
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L5-S1 LATERAL/ LATERAL SACRUM	Grid	mAs	CM	kVp
	Y	Increase LAT		same as LAT
	44"	by 50%		

Medium		
mAs	CM	kVp
60	28-29	96
90	30-31	96
120	32-33	96
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mAs	CM	kVp
Increase LAT		same as LAT
by 50%		

Large		
mAs	CM	kVp
120	34-35	102
180	36-37	102
240	37-39	102 - 110
360	40-41	102 - 110
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mAs	CM	kVp
Increase LAT		same as LAT
by 50%		

THORACIC SPINE

Body Part	Grid	mAs	CM	kVp
AP Thoracic	Y	10	13-14	72
	44"	15	15-16	72
		20	17-18	72
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LATERAL Thoracic	Grid	mAs	CM	kVp
	Y	20	22-23	70
	44"	30	24-25	70
40		26-27	70	

Medium		
mAs	CM	kVp
20	19-20	76
30	21-22	76
40	23-24	76
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mAs	CM	kVp
40	28-29	76
60	30-31	76
80	32-33	76

Large		
mAs	CM	kVp
40	25-26	82
60	27-28	82
80	29-30	82
120	31-32	82 - 88
160	33-34	82 - 88
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mAs	CM	kVp
80	34-35	82
120	36-37	82
160	37-39	82 - 88
240	40-41	82 - 88

EXPOSURE CHART

CERVICAL SPINE

Body Part	Grid	mAs	Small CM	kVp
AP/Oblq Cervical/	Y	3.5	4-5	72
	44"	5.25	6-7	72
		7	8-9	72
LATERAL Cervical	Grid Y 44"	Same		Increase 4

Medium		
mAs	CM	kVp
7	10-11	76
10.5	12-13	76
14	14-15	76
Same		Increase 4

Large		
mAs	CM	kVp
14	16-17	82
21	18-19	82
28	20-21	82
Same		Increase 4

LATERAL Cervical				
Grid	mAs	Small CM	kVp	
Y	16	4-5	72	
72"	24	6-7	72	
	32	8-9	72	
at 72" Distance with grid				

Medium		
mAs	CM	kVp
32	10-11	76
48	12-13	76
64	14-15	76

Large		
mAs	CM	kVp
64	16-17	82
96	18-19	82
128	20-21	82

SKULL

Body Part	Grid	mAs	Small CM	kVp
PA	Y			
	44"			
Lateral	Grid Y			
	44"			
Waters	Grid Y			
	44"			

Medium		
mAs	CM	kVp
30	19-20	76
20	15-16	70-76
40		80

Large		
mAs	CM	kVp

EXPOSURE CHART

HIP/PELVIS					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
AP Hip/Pelvis	Y	15	13-14	72	30	19-20	78	60	25-26	84			
	44"	22.5	15-16	72	45	21-22	78	90	27-28	84			
		30	17-18	72	60	23-24	78	120	29-30	84			
KNEE					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
AP/Oblq Knee	Yes	11.3	7-8	66	15.0	11-12	70	30	15-16	70			
	44"	15.0	9-10	66	22.5	13-14	70	45.0	17-18	70			
Lateral Knee				Decrease 4 kVp			Decrease 4 kVp			Decrease 4 kVp			
LOWER LEG					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
AP/Lateral	N	3.0	5-6	66	4.0	9-10	70	6.0	13-14	74			
	44"	4.0	7-8	66	6.0	11-12	70	9.0	15-16	74			
FOOT/ANKLE					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
Ankle	N	1	5-6	56	1.0	7-8	60	1.5	11-12	64			
	44"				1.5	9-10	60	2.3	13-14	64			
Lateral				Decrease 4 kVp			Decrease 4 kVp			Decrease 4 kVp			
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
Foot	N	1	4-5	56	1	6-7	60	1.5	10-11	64			
	44"				1.5	8-9	60	2	12-13	64			
Oblq Foot				60			64			68			
Lateral Foot		1.3		60	1.3		64	2.0		68			
SHOULDER GIRDLE					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
AP Shoulder/Clavicle	Yes	8	6-7	72	16	12-13	76	32	18-19	80			
	44"	12	8-9	72	24	14-15	76	48.0	20-21	80			
		16	10-11	72	32	16-17	76	64.0	22-23	80			

FOREARM/ELBOW					Small			Medium			Large		
AP Forearm & Elbow (as measured)	Grid N 44"	mAs 1.125 1.5	CM 2-3 4-5	kVp 62 62	mAs 1.5 2.25	CM 6-7 8-9	kVp 66 66	mAs 3.0 4.5	CM 10-11 12-13	kVp 66 66			
Lateral Forearm & Elbow	Increase 4 kVp				Increase 4 kVp			Increase 4 kVp					
Wrist/Hand					Small			Medium			Large		
PA Hand/Wrist (as measured)	Grid N 44"	mAs 1	CM ≤2	kVp 53	mAs 1 1.5	CM 3-4 5-6	kVp 57 57	mAs 2.0 3.0	CM 7-8 9-10	kVp 57 57			
Lateral Hand/Wrist	Same		Increase 4 kVp		Same		Increase 4 kVp			Same		Increase 4 kVp	

EXPOSURE CHART

CHEST											
Body Part	Grid	Small			Medium			Large			
		mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp	
PA Chest	Y	4	14-15	85	2	20-21	100	6	26-27	110	
	72"	6	16-17	85	3	22-23	100	9	28-29	110	
		8	18-19	85	4	24-25	100	12	30-31	110	
								18	32-33	110	
							24	34-35	110		
Lateral Chest	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp	
	Y	Increase PA		Increase	Increase PA		Increase	Increase PA		Increase	
	72"	100%		10 kVp	100%		10 kVp	100%		10 kVp	