

EXPOSURE CHART

LUMBAR SPINE

Body Part	Grid	mAs	CM	kVp
AP Lumbar	Y	10	13-14	74
	44"	15	15-16	74
		20	17-18	74

Body Part	Grid	mAs	CM	kVp
OBLIQUE Lumbar	Y	Increase AP	same as AP	same as AP
	44"	by 50%		

Body Part	Small			
	Grid	mAs	CM	kVp
	LATERAL Lumbar	Y	20	22-23
44"		30	24-25	84
		40	26-27	84

Body Part	Grid	mAs	CM	kVp
L5-S1 LATERAL/ LATERAL SACRUM	Y	Increase LAT	same as LAT	same as LAT
	44"	by 50%		

Medium

mAs	CM	kVp
20	19-20	80
30	21-22	80
40	23-24	80

mAs	CM	kVp
Increase AP	same as AP	same as AP
by 50%		

Body Part	Medium		
	mAs	CM	kVp
	LATERAL Lumbar	40	28-29
60		30-31	90
80		32-33	90

Body Part	mAs	CM	kVp
L5-S1 LATERAL/ LATERAL SACRUM	Increase LAT	same as LAT	same as LAT
	by 50%		

Large

mAs	CM	kVp
40	25-26	88
60	27-28	88
80	29-30	88
120	31-32	88 - 96
160	33-34	88 - 96

mAs	CM	kVp
Increase AP	same as AP	same as AP
by 50%		

Body Part	Large		
	mAs	CM	kVp
	LATERAL Lumbar	80	34-35
120		36-37	96
160		37-39	96 - 104
240		40-41	96 - 104

Body Part	mAs	CM	kVp
L5-S1 LATERAL/ LATERAL SACRUM	Increase LAT	same as LAT	same as LAT
	by 50%		

THORACIC SPINE

Body Part	Grid	mAs	CM	kVp
AP Thoracic	Y	10	13-14	76
	44"	15	15-16	76
		20	17-18	76

Body Part	Small			
	Grid	mAs	CM	kVp
	LATERAL Thoracic	Y	20	22-23
44"		30	24-25	74
		40	26-27	74

Medium

mAs	CM	kVp
20	19-20	80
30	21-22	80
40	23-24	80

mAs	CM	kVp
40	28-29	80
60	30-31	80
80	32-33	80

Large

mAs	CM	kVp
40	25-26	86
60	27-28	86
80	29-30	86
120	31-32	86 - 92
160	33-34	86 - 92

mAs	CM	kVp
80	34-35	86
120	36-37	86
160	37-39	86 - 92
240	40-41	86 - 92

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

Body Part	Grid	mAs	Small CM	kVp
LATERAL Cervical	Y	Same		Increase 4
	44"			

Body Part	Grid	mAs	Small CM	kVp
LATERAL Cervical at 72" Distance with grid	Y	15	4-5	72
	72"	22.5	6-7	72
		30	8-9	72

Medium

mAs	CM	kVp
7	10-11	76
10.5	12-13	76
14	14-15	76

mAs	CM	kVp
Same		Increase 4

mAs	CM	kVp
30	10-11	76
45	12-13	76
60	14-15	76

Large

mAs	CM	kVp
14	16-17	82
21	18-19	82
28	20-21	82

mAs	CM	kVp
Same		Increase 4

mAs	CM	kVp
60	16-17	82
90	18-19	82
120	20-21	82

SKULL

Body Part	Grid	mAs	Small CM	kVp
PA	Y			
	44"			

Body Part	Grid	mAs	Small CM	kVp
Lateral	Y			
	44"			

Body Part	Grid	mAs	Small CM	kVp
Waters	Y			
	44"			

Medium

mAs	CM	kVp
25	19-20	76

mAs	CM	kVp
20	15-16	70-76

mAs	CM	kVp
40		80

Large

mAs	CM	kVp

mAs	CM	kVp

mAs	CM	kVp

EXPOSURE CHART

HIP/PELVIS					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
AP Hip/Pelvis	YES	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	9.0	7-8	66	12.0	11-12	70	24	15-16	70			
	44"	12.0	9-10	66	18.0	13-14	70	36.0	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	NO	1.5	5-6	66	2.0	9-10	70	3.0	13-14	74			
	44"	2.0	7-8	66	3.0	11-12	70	4.5	15-16	74			
FOOT/ANKLE					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
Ankle AP/Oblq	NO	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 AP Foot	NO	1	4-5	56	1	6-7	60	1.5	10-11	66			
	44"				1.2	8-9	60	2	12-13	66			
Oblq Foot				60			65			70			
Lateral Foot		1.3		60	1.2		65	2.0		70			
SHOULDER GIRDLE					Small			Medium			Large		
	Grid	mAs	CM	kVp	mAs	CM	kVp	mAs	CM	kVp			
AP Shoulder/Clavicle	Yes	5	6-7	72	10	12-13	76	20	18-19	80			
	44"	7.5	8-9	72	15	14-15	76	30.0	20-21	80			
		10	10-11	72	20	16-17	76	40.0	22-23	80			

FOREARM/ELBOW		Small			Medium			Large		
AP Forearm & Elbow (as measured)	Grid NO 44"	mAs 1.125 1.5	CM 2-3 4-5	kVp 56 56	mAs 1.5 2.25	CM 6-7 8-9	kVp 60 60	mAs 3.0 4.5	CM 10-11 12-13	kVp 60 60
Lateral Forearm & Elbow		Increase 4 kVp			Increase 4 kVp			Increase 4 kVp		
Wrist/Hand		Small			Medium			Large		
PA Hand/Wrist (as measured)	Grid NO 44"	mAs 1	CM 2	kVp 56	mAs 1 1.5	CM 3-4 5-6	kVp 60 60	mAs 2.0 3.0	CM 7-8 9-10	kVp 60 60
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