

Veterinary Exposure Charts

Equine Exposure Chart for Computerized and Digital Radiography Systems

Suggested exposures are for a focal Spot/Film Distance (FFD) of 60 cm without a grid.

Adult Equine (500kg): Increase kV or mAs if Cob/warmblood or very swollen.

Region	Suggested kV	CR mAs	GOS mAs	Csl mAs
Foot	72	2	1.6	1.25
Pedal Bone	74	2.6-3.2	2.1-2.5	1.6-2
Fetlock	72	2	1.6	1.3
Sesamoid Lateral	72	2	1.6	1.3
Cannon Bone	72	1.6	1.3	1
Sprint Bones	72	1	.8	.6
Carpus	74-76	2.6-3.2	2.1-2.5	1.6-2
Radius	74-76	3.2-4	2.5-3.2	2-2.5
Elbow	80	3.2-4	2.5-3.2	2-2.5
Hock	74-76	3.2-4	2.5-3.2	2-2.25
Stifle (LM view)	76	4	3.2	2.5
Stifle (Cr-Cd)	80	4-8	3.2-6.3	2.5-5
Tibia	80	4	3.2	2.5
Lateral C-spine	80	6-10	4.7-7.9	3.8-6.3
Dorsal spinous processes	80-90	6-10	4.7-7.9	3.8-6.3
Vertebral bodies	100	6-10	4.5-7.9	3.8-6.3
Maxilla/Mandible	72-74	3.2-4	2.5-3.2	2-2.5
Sinuses	72-74	3.2-4	2.5-3.2	2-2.5

Small Animal Exposure Chart for Computerized and Digital Radiography Systems – Thorax and Abdomen

Suggested exposures are for a Focal Spot/Film Distance (FFD) of 80 cm without a grid.

Thorax—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	60	1	.8	.6
9	60	1	.8	.6
12	70	1.5	1.2	.9
15	70	1.5	1.2	.9
Medium Dog				
18	75	2	1.6	1.3
21	75	2	1.6	1.3
23	80	3	2.4	1.9
Large Dog				
25	80	3	2.4	1.9

Thorax—VD/DV View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	60	1	.8	.6
9	60	1	.8	.6
12	70	1.5	1.2	.9
15	70	1.5	1.2	.9
Medium Dog				
18	75	2	1.6	1.3
21	75	2	1.6	1.3
23	80	2.5	2	1.6
Large Dog				
25	80	3	2.4	1.9

Abdomen—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
6	50	2	1.6	1.3
8	50	2	1.6	1.3
10	55	2.5	2	1.6
12	60	3	2.4	1.9
14	65	3.5	2.8	2.2
16	70	4	3.2	2.5
Medium Dog				
18	75	5	4	3.1
20	80	5	4	3.1
22	80	6-8	4.7-6.3	3.8-5
Large Dog				
24	80	8-12	6.3-9.5	5-7.5

Abdomen—VD/DV View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
6	50	2	1.6	1.3
8	50	2	1.6	1.3
10	55	2.5	2	1.6
12	60	3	2.4	1.9
14	65	4	3.2	2.5
16	70	4.5	3.6	2.8
Medium Dog				
18	75	5	4	3.1
20	80	5-6	4-4.7	3.1-3.8
22	80	6-8	4.7-6.3	3.8-5
Large Dog				
24	80	8-12	6.3-9.5	5-7.5

Small Animal Exposure Chart for Computerized and Digital Radiography Systems – Pelvis/Hips, Extremities and Skull

Suggested exposures are for a Focal Spot/Film Distance (FFD) of 80 cm without a grid.

Pelvis/Hips—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
8	55	3	2.4	1.9
10	55	3	2.4	1.9
12	55	4	3.2	2.5
14	60	4	3.2	2.5
16	60	5	4	3.1
Medium Dog				
18	65	5	4	3.1
20	65	6	4.7	3.8
Large Dog				
22	70	7	5.5	4.4

Pelvis/Hips—VD View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
8	55	2.5	2	1.6
10	55	3	2.4	1.9
12	55	3.5	2.8	2.2
14	60	4.5	3.6	2.8
16	60	4.5	3.6	2.8
Medium Dog				
18	65	4.5	3.6	2.8
20	70	6.5	5.1	4.1
Large Dog				
22	70	7.5	5.9	4.7

Extremities—Lateral and CC/DP Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
1	50	1	.8	.6
2	50	1	.8	.6
3	50	1	.8	.6
4	50	2	1.6	1.3
5	55	2	1.6	1.3
Medium Dog				
6	55	3	2.4	1.9
8	55	3.5	2.8	2.2
Large Dog				
10	55	3.5	2.8	2.2
12	60	4	3.2	2.5
14	60	5	4	3.1

Skull—Lateral and DV/VD Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
8	50	2	1.6	1.3
10	55	2.5	2	1.6
12	60	4	3.2	2.5
Medium Dog				
14	65	5	4	3.1
16	70	5	4	3.1
Large Dog				
18	75	5	4	3.1

Small Animal Exposure Chart for Computerized and Digital Radiography Systems—Spine

Suggested exposures are for a Focal Spot/Film Distance (FFD) of 80 cm without a grid.

Thoracic Spine—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	50	3.5	2.8	2.2
9	55	4	3.2	2.5
12	60	5	4	3.1
15	65	6	4.7	3.8
Medium Dog				
18	70	7	5.5	4.4
21	75	7	5.5	4.4
23	80	8	6.3	5
Large Dog				
25	80	8-12	6.3-9.5	5-7.5

Thoracic Spine—VD View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	50	4	3.2	2.5
9	55	4.5	3.6	2.8
12	60	5.5	4.3	3.4
15	65	6.5	5.1	4.1
Medium Dog				
18	70	7	5.5	4.4
21	75	8	6.3	5
23	80	8	6.3	5
Large Dog				
25	80	8-12	6.3-9.5	5-7.5

Cervical Spine—Lateral and VD Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	50	2	1.6	1.3
9	55	3	2.4	1.9
12	55	4	3.2	2.5
15	65	5	4	3.1
Medium Dog				
18	70	7	5.5	4.4
21	75	7	5.5	4.4
23	75	8	6.3	5
Large Dog				
25	80	10-15	7.9-11.9	6.3-9.4

Lumbar Spine—Lateral and VD Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
6	50	3	2.4	1.9
8	50	3.5	2.8	2.2
10	55	3.5	2.8	2.2
12	60	4	3.2	2.5
14	65	5	4	3.1
16	70	6	4.7	3.8
Medium Dog				
18	75	7	5.5	4.4
20	80	7	5.5	4.4
22	80	8	6.3	5
Large Dog				
24	80	10-15	7.9-11.9	6.3-9.4

Small Animal Exposure Chart for Computerized and Digital Radiography Systems—Thorax and Abdomen

Suggested exposures are for a Focal Spot/Film Distance (FFD) of 100 cm without a grid.

Thorax—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	60	1.5	1.2	.9
9	60	1.5	1.2	.9
12	70	2	1.6	1.3
15	70	2	1.6	1.3
Medium Dog				
18	75	2	1.6	1.3
21	80	2	1.6	1.3
23	80	4	3.2	2.5
Large Dog				
25	80	6	4.7	3.8

Thorax—VD/DV View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	60	1.5	1.2	.9
9	60	2	1.6	1.3
12	70	2.5	2	1.6
15	70	2.5	2	1.6
Medium Dog				
18	75	2.5	2	1.6
21	80	2.5	2	1.6
23	80	4.5	3.6	2.8
Large Dog				
25	80	6.5	5.1	4.1

Abdomen—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
6	50	2.5	2	1.6
8	50	3	2.4	1.9
10	55	3	2.4	1.9
12	65	3	2.4	1.9
14	70	3	2.4	1.9
16	75	4	3.2	2.5
Medium Dog				
18	80	4	3.2	2.5
20	80	6	4.7	3.8
22	80	8	6.3	5
Large Dog				
24	80	10-12	7.9-9.5	6.3-7.5

Abdomen—VD/DV View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
6	50	3	2.4	1.9
8	50	4	3.2	2.5
10	60	4	3.2	2.5
12	65	4	3.2	2.5
14	70	4	3.2	2.5
16	75	4.5	3.6	2.8
Medium Dog				
18	80	4.5	3.6	2.8
20	80	6.5	5.1	4.1
22	80	8.5	6.7	5.3
Large Dog				
24	80	10-12	7.9-9.5	6.3-7.5

Small Animal Exposure Chart for Computerized and Digital Radiography Systems—Pelvis/Hips, Extremities and Skull
Suggested exposures are for a Focal Spot/Film Distance (FFD) of 100 cm without a grid.

Pelvis/Hips—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
8	60	3	2.4	1.9
10	60	3	2.4	1.9
12	60	4	3.2	2.5
14	65	5	4	3.1
16	65	5	4	3.1
Medium Dog				
18	70	6	4.7	3.8
20	75	6	4.7	3.8
Large Dog				
22	80	8	6.3	5

Pelvis/Hips—VD View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
8	60	3.5	2.8	2.2
10	60	3.5	2.8	2.2
12	60	4.5	3.6	2.8
14	65	5.5	4.3	3.4
16	65	5.5	4.3	3.4
Medium Dog				
18	70	6.5	5.1	4.1
20	75	6.5	5.1	4.1
Large Dog				
22	80	8.5	6.7	5.3

Extremities—Lateral and CC/DP Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
1	50	2	1.6	1.3
2	50	2	1.6	1.3
3	50	2.5	2	1.6
4	50	3	2.4	1.9
5	60	3	2.4	1.9
Medium Dog				
6	60	3.5	2.8	2.2
8	60	4	3.2	2.5
Large Dog				
10	60	4	3.2	2.5
12	60	5	4	3.1
14	65	6	4.7	3.8

Skull—Lateral and DV/VD Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	Csl mAs
Cat/Small Dog				
8	60	2	1.6	1.3
10	65	2	1.6	1.3
12	70	3	2.4	1.9
Medium Dog				
14	75	3.5	2.8	2.2
16	75	4	3.2	2.5
Large Dog				
18	75	5	4	3.1

Small Animal Exposure Chart for Computerized and Digital Radiography Systems—Spine
Suggested exposures are for a Focal Spot/Film Distance (FFD) of 100 cm without a grid.

Thoracic Spine—Lateral View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	55	3.5	2.8	2.2
9	60	4	3.2	2.5
12	70	4	3.2	2.5
15	75	4	3.2	2.5
Medium Dog				
18	80	4	3.2	2.5
21	80	6	4.7	3.8
23	80	8	6.3	5
Large Dog				
25	80	10-12	7.9-9.5	6.3-7.5

Thoracic Spine—VD View

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	55	4	3.2	2.5
9	60	4	3.2	2.5
12	70	4.5	3.6	2.8
15	75	4.5	3.6	2.8
Medium Dog				
18	80	4.5	3.6	2.8
21	80	6.5	5.1	4.1
23	80	8.5	6.7	5.3
Large Dog				
25	80	10-12	7.9-9.5	6.3-7.5

Cervical Spine—Lateral and VD Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
7	50	2.5	2	1.6
9	60	3	2.4	1.9
12	65	3	2.4	1.9
15	75	4	3.2	2.5
Medium Dog				
18	80	4	3.2	2.5
21	80	6	4.7	3.8
23	80	8	6.3	5
Large Dog				
25	80	10-12	7.9-9.5	6.3-7.5

Lumbar Spine—Lateral and VD Views

Thickness (cm)	Suggested kV	CR mAs	GOS mAs	CsI mAs
Cat/Small Dog				
6	50	3	2.4	1.9
8	50	3.5	2.8	2.2
10	60	3.5	2.8	2.2
12	65	3.5	2.8	2.2
14	70	3.5	2.8	2.2
16	75	4.5	3.6	2.8
Medium Dog				
18	80	4.5	3.6	2.8
20	80	6.5	5.1	4.1
22	80	8.5	6.7	5.3
Large Dog				
24	80	10-12	7.9-9.5	6.3-7.5



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