

Supplemental Appendix

Supplemental Table 1. Radiotherapy parameters.

	DOG-1	DOG-2	DOG-3	DOG-4	DOG-5	DOG-6	DOG-7	DOG-8
Prescription dose(Gy)	45	45	45	45	45	45	45	45
Collimator size(mm)	15	15	20	20	20	15	20	15
volume (cm³)	12.6	9.09	19.37	14.12	14.50	10.04	14.35	13.54
Beams	127	112	138	106	130	124	110	136
Monitor unit (MU)	26968	27997	24203	25019	21398	23864	20269	28261
Treatment time (min)	92	95	84	87	74	82	72	96
Mean delivered dose to nearby tissues (range) (Gy)								
Lung	6.8±6.1 (0.4-55.3)	6.2±6.1 (0.3-48.0)	5.8±5.7 (0.4-44.4)	6.8±6.2 (0.5-46.0)	5.6±5.4 (0.5-44.0)	4.6±4.4 (0.2-46.9)	4.2±3.9 (0.4-45.7)	8.1±6.5 (0.4-44.3)
Spinal cord	3.5±1.7 (0.7-7.0)	4.1±1.8 (0.8-7.8)	2.9±0.6 (1.7-4.1)	6.8±1.9 (3.6-11.8)	3.1±1.5 (1.0-7.9)	3.9±2.1 (0.8-27.9)	2.4±0.8 (1.5-5.4)	4.3±2.2 (1.1-8.9)
Heart	15.7±10.7 (0.5-47.1)	9.8±8.7 (0.6-50.4)	10.8±9.5 (0.4-50.5)	10.7±8.9 (0.5-49.5)	9.2±7.7 (0.6-50.5)	7.7±7.2 (0.6-46.4)	8.2±8.5 (0.4-49.8)	11.3±7.0 (0.9-44.8)
Esophagus	16.1±6.2 (5.7-32.1)	9.2±7.9 (2.5-24.2)	10.6±6.5 (1.5-35.6)	17.2±5.1 (6.0-35.5)	10.4±3.9 (3.0-26.2)	7.7±3.4 (2.9-23.0)	9.7±4.2 (3.1-26.5)	10.8±4.1 (3.0-28.7)
Trachea	18.1±13.3 (0.7-49.6)	22.5±8.6 (6.9-47.3)	27.9±7.8 (10.2-46.4)	20.1±9.5 (2.0-45.2)	18.9±8.5 (3.6-46.1)	16.8±9.9 (1.3-45.3)	19.5±10.6 (1.4-50.4)	20.5±6.9 (4.5-41.6)
Bronchus	26.2±7.9 (10.0-47.5)	31.2±7.9 (9.3-49.8)	26.8±8.5 (9.8-44.1)	24.1±7.5 (8.8-43.0)	29.0±6.4 (16.1-46.0)	20.6±8.5 (5.1-43.5)	23.2±7.1 (8.4-45.0)	24.3±5.8 (12.7-41.1)