

Table S1. Summary of clinical goals used in retrospective and prospective cases.

Structure	Priority	Objective	Varian
700 cGy x 4 Fx = 28 Gy			
CTV_High	P1	D 90.0 % > 2800 cGy	> 2520.00 cGy
CTV_High	P1	V 2800 cGy > 95.0 %	> 90.00 %
CTV_Mid	P1	V 1400 cGy > 95.0 %	> 90.00 %
Ureter	P2	D 0.1 cm ³ < 2060 cGy	< 2320.00 cGy
Bladder	P2	D 2.0 cm ³ < 2200 cGy	< 2520.00 cGy
Rectum	P2	D 2.0 cm ³ < 1560 cGy	< 2000.00 cGy
Colon_Sigmoid	P2	D 2.0 cm ³ < 1800 cGy	< 2000.00 cGy
Bowel_Small	P2	D 2.0 cm ³ < 1800 cGy	< 2000.00 cGy
Urethra	P2	D 0.1 cm ³ < 2200 cGy	< 2520.00 cGy
600 cGy x 4 Fx = 24 Gy			
CTV_High	P1	D 90.0 % ≥ 100.0 %	> 90.00%
CTV_High	P1	V 100.0 % ≥ 95.0 %	> 90.00 %
CTV_Mid	P1	V 50.0 % ≥ 95.0 %	> 90.00 %
Bladder	P2	D 2.0 cm ³ < 2200 cGy	< 2520.00 cGy
Rectum	P2	D 2.0 cm ³ < 1560 cGy	< 2000.00 cGy
Colon_Sigmoid	P2	D 2.0 cm ³ < 1800 cGy	< 2000.00 cGy
Bowel_Small	P2	D 2.0 cm ³ < 1800 cGy	< 2000.00 cGy
Urethra	P2	D 0.1 cm ³ < 2200 cGy	< 2520.00 cGy
500 cGy x 4 Fx = 20 Gy			
CTV_High	P1	V 2000 cGy > 95.0 %	> 90.00%
CTV_Mid	P1	V 1600 cGy ≥ 95.0 %	> 90.00 %
Bladder	P2	D 2.0 cm ³ < 2080 cGy	< 2200.00 cGy
Rectum	P2	D 2.0 cm ³ < 1480 cGy	< 1800.00 cGy
Colon_Sigmoid	P2	D 2.0 cm ³ < 1650 cGy	< 1800.00 cGy
Bowel_Small	P2	D 2.0 cm ³ < 1650 cGy	< 1800.00 cGy
Urethra	P2	D 0.1 cm ³ < 1650 cGy	< 1800.00 cGy
500 cGy x 5 Fx = 25 Gy			
CTV_High	P1	D 90.0 % > 2500 cGy	> 2250.00 cGy
CTV_High	P1	V 2500 cGy > 95.0 %	> 90.00 %
CTV_Mid	P1	V 1250 cGy > 95.0 %	> 90.00 %
Ureter	P2	D 0.1 cm ³ < 2250 cGy	< 2550.00 cGy
Bladder	P2	D 2.0 cm ³ < 2375 cGy	< 2520.00 cGy
Rectum	P2	D 2.0 cm ³ < 1700 cGy	< 2175.00 cGy
Colon_Sigmoid	P2	D 2.0 cm ³ < 1950 cGy	< 2175.00 cGy
Bowel_Small	P2	D 2.0 cm ³ < 1950 cGy	< 2175.00 cGy
Urethra	P2	D 0.1 cm ³ < 2375 cGy	< 2750.00 cGy
800 cGy x 3 Fx = 24 Gy			
CTV_High	P1	V 2400 cGy > 95.0 %	> 90.00%
CTV_Mid	P1	V 1200 cGy ≥ 95.0 %	> 90.00 %
Bladder	P2	D 2.0 cm ³ < 1950 cGy	< 2200.00 cGy
Rectum	P2	D 2.0 cm ³ < 1410 cGy	< 1770.00 cGy
Colon_Sigmoid	P2	D 2.0 cm ³ < 1600 cGy	< 1770.00 cGy
Bowel_Small	P2	D 2.0 cm ³ < 1600 cGy	< 1770.00 cGy
Urethra	P2	D 0.1 cm ³ < 1600 cGy	< 2220.00 cGy