

Appendix B

Table 4: IG-IMRT hypofractionation treatment representing the worst scenario analysis case. Target and OAR doses for the volume fractions for which the requirements reported in Table 1 were imposed, for this treatment case. Note: the dose values for the objective on the prostate (D3) and those for the femurs are not reported as the dosimetric objectives were always satisfied in our analysis.

Dose values corresponding to dosimetric requirements				
	PTV planning method	Adaptive planning method	Adaptive MU rescale planning method	PTV planning method NO motion
Prostate D _{99%} > 7600 cGy	7476	7758	7757	7952
Seminal vesicles D _{min} > 5600 cGy	4468	5943	5939	5594
Bladder V _{5000 cGy} < 60%	3946	4895	4887	5184
Bladder V _{6500 cGy} < 50%	4863	5371	5370	5942
Bladder V _{6600 cGy} < 40%	5614	6031	6032	6595
Bladder V _{7000 cGy} < 30%	6034	6640	6642	7205
Bladder V _{7500 cGy} < 25%	6381	6953	6953	7580
Bladder V _{8000 cGy} < 15%	7041	7509	7509	7908
Rectum V _{6170 cGy} < 50%	6698	6281	6278	6382
Rectum V _{7429 cGy} < 20%	7764	7592	7592	7632