



Supplementary material

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Supplementary Table. Dose specification for target volumes and organs at risk.*

	Moderate hypofractionation	Conventional fractionation
Planning target volume	$D_{98\%} \geq 95\%$ $D_{2\%} \leq 107.5\%$	$D_{98\%} \geq 95\%$ $D_{2\%} \leq 107.5\%$
Clinical target volume	$D_{99\%} \geq 99\%$	$D_{99\%} \geq 95\%$
Rectum and sigmoid	$V_{60} \leq 3\%$ $V_{58} \leq 15\%$ $V_{54} \leq 30\%$ $V_{50} \leq 50\%$ $V_{42} \leq 60\%$	$D_{\max} < 105\%$ $V_{70} \leq 20\%$ $V_{50} \leq 50\%$
Bladder	$V_{60} \leq 5\%$ $V_{50} \leq 40\%$ $V_{42} \leq 55\%$	$V_{70} \leq 30\%$ $V_{55} \leq 50\%$
Small bowel	$D_{\max} < 52 \text{ Gy}$	$D_{\max} < 52 \text{ Gy}$
Femoral heads	$V_{40} \leq 10\%$	$V_{50} \leq 5\%$

Abbreviation: D_{\max} = maximum radiation dose.

* $D_{98\%}$ means the radiation dose received by 98% of the volume of interest, and so on, while V_{60} means the volume of the organ-at-risk of interest receiving ≥ 60 Gy of the prescribed radiation dose, and so on.