

Priority	Structure	Dose Constraint
1	SpinalCord $D_{\max} \leq 10$ Gy preferred	$D_{\max} \leq 38$ Gy
1	BrachialPlexus	$D_{\max} \leq 107$ %
2	CTVp_tumourbed There should still be appropriate dose coverage if the ROI is missing	$V_{95\% \text{boost}} \geq 98$ % $V_{107\% \text{boost}} \leq 1$ cm <sup>3</sup>
3	CTVn_IMN With small, lateral situated tumors may the IMN have a lower priority compared to heart and lung	$V_{90\%} \geq 98$ % ( $V_{90\%} \geq 95$ %)*
4	Heart As low as possible. Dmean would often be under 4 Gy.	$V_{20\text{Gy}} \leq 10\%$ $V_{40\text{Gy}} \leq 5\%$ $D_{\text{mean}} \leq 5$ Gy
5	Lung_ipsilat	$V_{20\text{Gy}} \leq 35\%$ $D_{\text{mean}} \leq 18$ Gy
6	CTVp_breast/chestwall	$V_{95\%} \geq 98$ % ( $V_{95\%} \geq 95$ %)* $98\% \leq D_{\text{median}} \leq 102\%$
7	CTVn_periclav	$V_{90\%} \geq 98$ % ( $V_{90\%} \geq 95$ %)*
8	Breast_contralat	$D_{\text{mean}} \leq 4$ Gy
9	Lung_contralat	$D_{\text{mean}} \leq 2$ Gy
10	CTVp_breast/chestwall CTVn_periclav and CTVn_IMN	$V_{107\%} \leq 2\%$ $V_{110\%} \leq 1$ cm <sup>3</sup>
11	The coverage of each PTV target structure is condition for the CTV coverage is achieved. The PTV margin is determined by local immobilization techniques and daily scans. Typically 5 mm.	
12	Irradiated volume outside of CTV	$V_{107\%} \leq 5$ cm <sup>3</sup> $V_{110\%} \leq 1$ cm <sup>3</sup>
13	Esophagus, Thyroid, HumeralHead	As low as possible

Table A.1 DBCG target and OAR constraints. \* marks constraints for local guidelines that must be achieved, whereas the DBCG constraint should be achieved.