





## Plan Quality Algorithm: RTOG 1005 ARM 2 48 GY Hypofractionated [23 Max Possible] [23 Metrics] (Page 1 of 3)

1		Volume (%) of the BREAST PTV EVAL covered by 38 (Gy)	1	
2		Volume (%) of the BREAST PTV EVAL covered by 36 (Gy)	1	
3		Volume (%) of the BREAST PTV EVAL covered by 48 (Gy)	1	
4		Dose (Gy) covering 50 (%) of the BREAST PTV EVAL	1	
5		Maximum dose (Gy) inside the WHOLE BREAST	1	
6		[Volume (cc) covered by 38 (Gy)] / [Total volume (cc) of the BREAST PTV EVAL]	1	
7		Volume (%) of the LUMPECTOMY PTV EVAL covered by 45.6 (Gy)	1	
8		Volume (%) of the LUMPECTOMY PTV EVAL covered by 43.2 (Gy)	1	
9		Volume (%) of the LUMPECTOMY PTV EVAL covered by 52.8 (Gy)	1	
10		Maximum dose (Gy) inside the LUMPECTOMY PTV EVAL	1	

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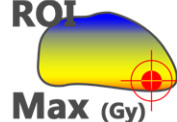


[Volume (cc) covered by 45.6 (Gy)] /  
[Total volume (cc) of the LUMPECTOMY PTV EVAL]

1

Goal(s): [ $\geq 0.95$  AND  $\leq 2.5$ ]

12

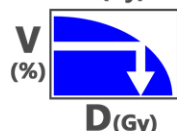


Maximum dose (Gy) inside the CONTRALATERAL BREAST

1

$\leq 2.4$   $\geq 3.841$

13

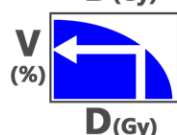


Dose (Gy) covering 5 (%) of the CONTRALATERAL BREAST

1

$\leq 1.44$   $\geq 2.401$

14

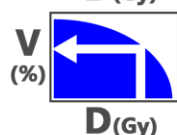


Volume (%) of the IPSILATERAL LUNG covered by 16 (Gy)

1

$\leq 15$   $< 20.00$   $\geq 20.00$

15

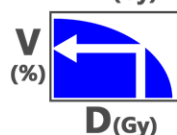


Volume (%) of the IPSILATERAL LUNG covered by 8 (Gy)

1

$\leq 35$   $< 40.00$   $\geq 40.00$

16

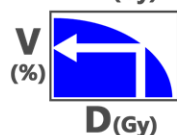


Volume (%) of the IPSILATERAL LUNG covered by 4 (Gy)

1

$\leq 50$   $< 55.00$   $\geq 55.00$

17

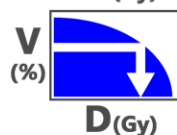


Volume (%) of the CONTRALATERAL LUNG covered by 4 (Gy)

1

$\leq 10$   $< 15.00$   $\geq 15.00$

18

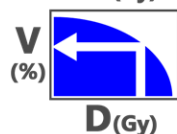


Dose (Gy) covering 5 (%) of the HEART (LT BREAST)

1

$\leq 16$   $\geq 20.00$

19

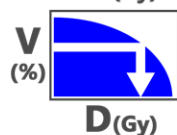


Volume (%) of the HEART (LT BREAST) covered by 8 (Gy)

1

$\leq 30$   $< 35.00$   $\geq 35.00$

20



Dose (Gy) covering 0 (%) of the HEART (RT BREAST)

1

$\leq 16$   $\geq 20.00$

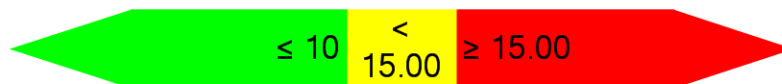
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**D**(Gy)

Volume (%) of the HEART (RT BREAST) covered by 8 (Gy)

1



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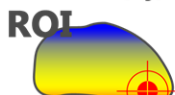
**Mean** (Gy)

Mean dose (Gy) inside the HEART

1



23

**Max** (Gy)

Maximum dose (Gy) inside the THYROID

1

