


## Plan Quality Algorithm: RTOG 1005 ARM 1 56.7 GY Hypofractionated [23 Max Possible] [23 Metrics] (Page 1 of 3)

1	 V (%) D(Gy)	Volume (%) of the BREAST PTV EVAL covered by 40.6 (Gy)	1	
2	 V (%) D(Gy)	Volume (%) of the BREAST PTV EVAL covered by 38.4 (Gy)	1	
3	 V (%) D(Gy)	Volume (%) of the BREAST PTV EVAL covered by 56.7 (Gy)	1	
4	 V (%) D(Gy)	Dose (Gy) covering 50 (%) of the BREAST PTV EVAL	1	
5	 ROI Max (Gy)	Maximum dose (Gy) inside the WHOLE BREAST	1	
6	 Conformality Index f(x)	[Volume (cc) covered by 40.6 (Gy)] / [Total volume (cc) of the BREAST PTV EVAL]	1	
7	 V (%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL covered by 53.9 (Gy)	1	
8	 V (%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL covered by 51 (Gy)	1	
9	 V (%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL covered by 62.4 (Gy)	1	
10	 ROI Max (Gy)	Maximum dose (Gy) inside the LUMPECTOMY PTV EVAL	1	

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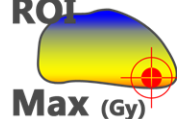


[Volume (cc) covered by 53.9 (Gy)] /  
[Total volume (cc) of the LUMPECTOMY PTV EVAL]

1

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

12

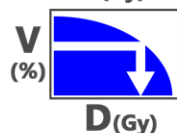


Maximum dose (Gy) inside the CONTRALATERAL BREAST

1

$\leq 3.1$   $\geq 4.961$

13

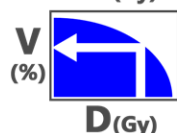


Dose (Gy) covering 5 (%) of the CONTRALATERAL BREAST

1

$\leq 1.86$   $\geq 3.101$

14

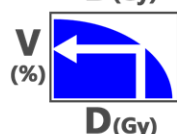


Volume (%) of the IPSILATERAL LUNG covered by 20 (Gy)

1

$\leq 15$   $< 20.01$   $\geq 20.01$

15

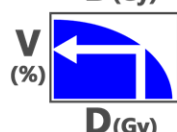


Volume (%) of the IPSILATERAL LUNG covered by 10 (Gy)

1

$\leq 35$   $< 40.01$   $\geq 40.01$

16

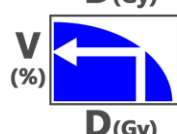


Volume (%) of the IPSILATERAL LUNG covered by 5 (Gy)

1

$\leq 50$   $< 55.01$   $\geq 55.01$

17

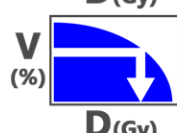


Volume (%) of the CONTRALATERAL LUNG covered by 5 (Gy)

1

$\leq 10$   $< 15.01$   $\geq 15.01$

18

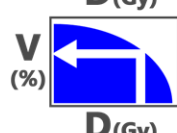


Dose (Gy) covering 5 (%) of the HEART (LT BREAST)

1

$\leq 20$   $< 25.01$   $\geq 25.01$

19

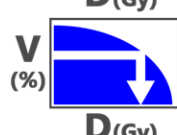


Volume (%) of the HEART (LT BREAST) covered by 10 (Gy)

1

$\leq 30$   $< 35.01$   $\geq 35.01$

20



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

1

$\leq 20$   $< 25.00$   $\geq 25.00$

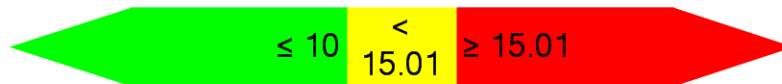
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**D**(Gy)

Volume (%) of the HEART (RT BREAST) covered by 10 (Gy)

1



22

**Mean** (Gy)

Mean dose (Gy) inside the HEART

1



23

**Max** (Gy)

Maximum dose (Gy) inside the THYROID

1

