


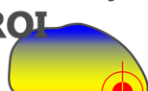


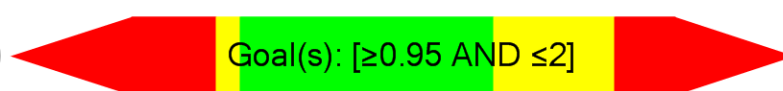




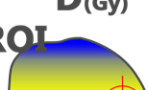


## Plan Quality Algorithm: RTOG 1005 ARM 1 64 GY Standard Fractionation [23 Max Possible] [23 Metrics] (Page 1 of 3)

1	 V(%) D(Gy)	Volume (%) of the BREAST PTV EVAL covered by 47.5 (Gy)	1	
2	 V(%) D(Gy)	Volume (%) of the BREAST PTV EVAL covered by 45 (Gy)	1	
3	 V(%) D(Gy)	Volume (%) of the BREAST PTV EVAL covered by 64 (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 BREAST PTV EVAL	1	
6	 Conformality Index	[Volume (cc) covered by 47.5 (Gy)] / [Total volume (cc) of the BREAST PTV EVAL]	1	
7	 V(%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL covered by 60.8 (Gy)	1	
8	 V(%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL covered by 57.6 (Gy)	1	
9	 V(%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL covered by 70.4 (Gy)	1	
10	 ROI Max (Gy)	Maximum dose (Gy) inside the LUMPECTOMY PTV EVAL	1	

## Plan Quality Algorithm: RTOG 1005 ARM 1 64 GY Standard Fractionation [23 Max Possible] [23 Metrics] (Page 2 of 3)

11	 <b>Conformality Index ROI</b>	[Volume (cc) covered by 58.9 (Gy)] / [Total volume (cc) of the LUMPECTOMY PTV EVAL]	1	 Goal(s): $[\geq 0.95 \text{ AND } \leq 2.5]$
12	 <b>Max (Gy)</b>	Maximum dose (Gy) inside the CONTRALATERAL BREAST	1	 $\leq 3.1$ $\geq 4.961$
13	 <b>V (Gy)</b>	Dose (Gy) covering 5 (%) of the CONTRALATERAL BREAST	1	 $\leq 1.86$ $\geq 3.101$
14	 <b>V (Gy)</b>	Volume (%) of the IPSILATERAL LUNG covered by 20 (Gy)	1	 $\leq 15$ $< 20.01$ $\geq 20.01$
15	 <b>V (Gy)</b>	Volume (%) of the IPSILATERAL LUNG covered by 10 (Gy)	1	 $\leq 35$ $< 40.01$ $\geq 40.01$
16	 <b>V (Gy)</b>	Volume (%) of the IPSILATERAL LUNG covered by 5 (Gy)	1	 $\leq 50$ $< 55.01$ $\geq 55.01$
17	 <b>V (Gy)</b>	Volume (%) of the CONTRALATERAL LUNG covered by 5 (Gy)	1	 $\leq 10$ $< 15.01$ $\geq 15.01$
18	 <b>V (Gy)</b>	Dose (Gy) covering 5 (%) of the HEART (LT BREAST)	1	 $\leq 20$ $< 25.01$ $\geq 25.01$
19	 <b>V (Gy)</b>	Volume (%) of the HEART (LT BREAST) covered by 10 (Gy)	1	 $\leq 30$ $< 35.01$ $\geq 35.01$
20	 <b>V (Gy)</b>	Dose (Gy) covering 0 (%) of the HEART (RT BREAST)	1	 $\leq 20$ $< 25.00$ $\geq 25.00$

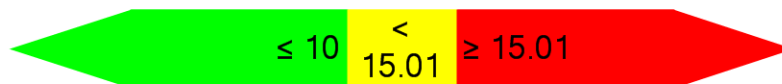
Plan Quality Algorithm: RTOG 1005 ARM 1 64 GY Standard Fractionation [23 Max Possible] [23 Metrics] (Page 3 of 3)

21

**D**(Gy)

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

1



22

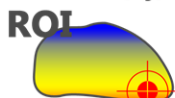
**Mean** (Gy)

Mean dose (Gy) inside the HEART

1



23

**Max** (Gy)

Maximum dose (Gy) inside the THYROID

1

