


## Plan Quality Algorithm: NSABP B-51\_RTOG 1304 Arm 1 Group 1A Right Side 62Gy [19 Max Possible] [19 Metrics] (Page 1 of 2)

1	 V (%) D(Gy)	Volume (%) of the PTV EVAL covered by 47.5 (Gy)	1	
2	 V (%) D(Gy)	Volume (%) of the PTV EVAL covered by 45 (Gy)	1	
3	 V (%) D(Gy)	Dose (Gy) covering 50 (%) of the PTV EVAL	1	
4	 V (%) D(Gy)	Volume (%) of the PTV EVAL covered by 62 (Gy)	1	
5	 ROI Max (Gy)	Maximum dose (Gy) inside the WHOLE BREAST	1	
6	 Conformity Index	[Volume (cc) covered by 47.5 (Gy)] / [Total volume (cc) of the PTV EVAL]	1	
7	 V (%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL_62GY covered by 58.9 (Gy)	1	
8	 V (%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL_62GY covered by 55.8 (Gy)	1	
9	 V (%) D(Gy)	Volume (%) of the LUMPECTOMY PTV EVAL_62GY covered by 68.2 (Gy)	1	
10	 ROI Max (Gy)	Maximum dose (Gy) inside the LUMPECTOMY PTV EVAL_62GY	1	

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11	 <p><b>ROI Max (Gy)</b></p>	Maximum dose (Gy) inside the CONTRALATERAL BREAST	1	 <p><math>\leq 3.1</math> <math>&gt; 4.960</math></p>
12	 <p><b>V (%) D(Gy)</b></p>	Dose (Gy) covering 4.99 (%) of the CONTRALATERAL BREAST	1	 <p><math>\leq 1.86</math> <math>\geq 3.101</math></p>
13	 <p><b>V (%) D(Gy)</b></p>	Volume (%) of the IPSILATERAL LUNG covered by 20 (Gy)	1	 <p><math>\leq 15</math> <math>&lt; 20.01</math> <math>\geq 20.01</math></p>
14	 <p><b>V (%) D(Gy)</b></p>	Volume (%) of the IPSILATERAL LUNG covered by 10 (Gy)	1	 <p><math>\leq 35</math> <math>&lt; 40.01</math> <math>\geq 40.01</math></p>
15	 <p><b>V (%) D(Gy)</b></p>	Volume (%) of the IPSILATERAL LUNG covered by 5 (Gy)	1	 <p><math>\leq 50</math> <math>&lt; 55.01</math> <math>\geq 55.01</math></p>
16	 <p><b>V (%) D(Gy)</b></p>	Volume (%) of the CONTRALATERAL LUNG covered by 5 (Gy)	1	 <p><math>\leq 10</math> <math>&lt; 15.01</math> <math>\geq 15.01</math></p>
17	 <p><b>ROI Max (Gy)</b></p>	Maximum dose (Gy) inside the HEART_RT SIDE	1	 <p><math>\leq 20</math> <math>&lt; 25.01</math> <math>\geq 25.01</math></p>
18	 <p><b>V (%) D(Gy)</b></p>	Volume (%) of the HEART_RT SIDE covered by 10 (Gy)	1	 <p><math>\leq 10</math> <math>&lt; 15.01</math> <math>\geq 15.01</math></p>
19	 <p><b>ROI Mean (Gy)</b></p>	Mean dose (Gy) inside the HEART	1	 <p><math>\leq 4</math> <math>\geq 5.01</math></p>