

Supplementary Online Content

Arthur DW, Winter KA, Kuerer HM, et al. Effectiveness of breast-conserving surgery and 3-dimensional conformal partial breast reirradiation for recurrence of breast cancer in the ipsilateral breast: the NRG Oncology/RTOG 104 phase 2 clinical trial. *JAMA Oncol*. Published online November 21, 2019. doi:10.1001/jamaoncol.2019.4320

eTable 1. Original Whole Breast Dose

eTable 2. Circulating Tumor Cell Analysis

This supplementary material has been provided by the authors to give readers additional information about their work.

3 Yr Efficacy - Partial Breast Re-Irradiation

eTable 1. Original Whole Breast Dose

Details of Previous Whole Breast RT Available?	
Yes	51 (87.9%)
No	7 (12.1%)
RT Total Dose to Whole Breast (Gy)	n=51
Median	50.4
Min-Max	45.0 - 61.2
RT Fraction Size	n=51
Median	1.8
Min-Max	1.5 - 2.25
RT Total Fraction Count	n=51
Median	27
Min-Max	23 - 36
Did the Patient Receive a Boost?	n=51
No	10 (19.6%)
Yes	41 (80.4%)

3 Yr Efficacy - Partial Breast Re-Irradiation

eTable 2. Circulating Tumor Cell Analysis

Total eligible patients	58		
Consented to Circulating Tumor Cells	47	81%	
Paired Circulating Tumor Cells*	31	66%	
Pre-Tx			
Detectable	8	20%	
Undetectable	32	80%	
Unevaluable	7	---	
Post-Tx			
Detectable	8	24%	
Undetectable	26	76%	
Unevaluable	13	---	
*For Patients with Both Pre and Post-Treatment CTC Analysis (n=31)			
	Post-Tx		
Pre-Tx	Undetectable	Detectable	Total
Undetectable	21 (67.7%)	5 (16.1%)	26 (83.9%)
Detectable	3 (9.7%)	2 (6.5%)	5 (16.1%)
Total	24 (77.4%)	7 (22.6%)	31 (100.0%)