

# PRE-TREATMENT REPORT

UCM, TG119  
0097

Clinic: RadOnc UChicago Medicine  
5758 S Maryland Avenue  
Chicago IL 60637

Plan: 4 CShape50-D4  
Planned: 11/20/2019 2:30 PM Ji Li  
Measured: 11/21/2019 6:46 PM planning  
Comments:

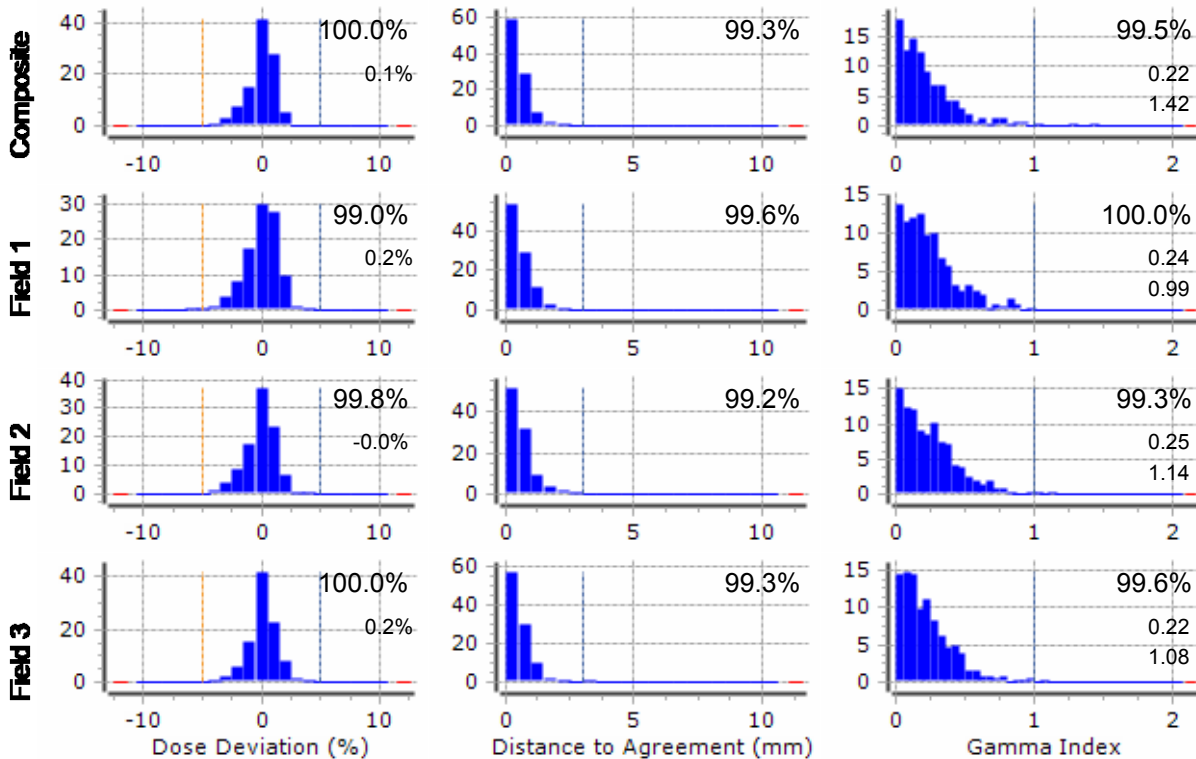
## Treatment Summary

Radiation Device: TrueBeamSN1203  
Temperature: 22.0 °C  
Reference: Planned Dose

Beam	Gantry	Energy	Daily corr factor	Norm dose	Det within acceptance	DTA	γ-index	Median dose dev
Composite				261 cGy	100.0%	99.3%	99.5%	0.1%
Field 1	210° to 150°	6 MV	1.000	105 cGy	99.0%	99.6%	100.0%	0.2%
Field 2	150° to 210°	6 MV	1.000	111 cGy	99.8%	99.2%	99.3%	-0.0%
Field 3	210° to 150°	6 MV	1.000	115 cGy	100.0%	99.3%	99.6%	0.2%

## Histograms

Reference: Planned dose



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## Gamma Index Evaluations

DTA		Pass Rates [%]										Reference: Planned dose
Composite	5.0 mm	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.5 mm	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.0 mm	99.3	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	3.5 mm	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	3.0 mm	98.4	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	
	2.5 mm	96.9	99.0	99.5	99.7	99.7	99.8	100.0	100.0	100.0	100.0	
	2.0 mm	94.2	97.4	98.7	99.5	99.7	99.8	99.8	100.0	100.0	100.0	
	1.5 mm	90.4	94.7	97.0	99.2	99.5	99.5	99.7	100.0	100.0	100.0	
	1.0 mm	83.7	91.8	94.9	97.5	98.8	99.5	99.7	99.7	100.0	100.0	
	0.5 mm	66.9	82.2	92.4	95.9	97.7	98.7	99.7	99.7	100.0	100.0	
Field 1	5.0 mm	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.5 mm	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.0 mm	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	3.5 mm	99.0	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	3.0 mm	98.5	99.0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	2.5 mm	97.0	98.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	2.0 mm	95.5	97.7	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	1.5 mm	91.9	95.3	97.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	
	1.0 mm	82.7	88.4	93.6	96.5	98.3	98.8	99.5	100.0	100.0	100.0	
	0.5 mm	59.7	76.7	85.1	91.3	95.6	97.5	98.2	98.8	99.0	99.3	
Field 2	5.0 mm	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.5 mm	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.0 mm	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	3.5 mm	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	3.0 mm	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	2.5 mm	97.5	99.5	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
	2.0 mm	94.8	98.0	99.1	99.3	99.6	99.8	100.0	100.0	100.0	100.0	
	1.5 mm	90.3	94.4	97.8	98.7	99.1	99.6	99.6	99.8	99.8	100.0	
	1.0 mm	78.6	89.2	94.8	97.7	98.4	99.1	99.5	99.8	99.8	99.8	
	0.5 mm	56.7	75.2	85.6	93.2	96.1	98.0	98.7	99.6	99.8	99.8	
Field 3	5.0 mm	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.5 mm	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	4.0 mm	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	3.5 mm	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
	3.0 mm	98.8	99.1	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
	2.5 mm	97.9	98.4	98.9	99.8	100.0	100.0	100.0	100.0	100.0	100.0	
	2.0 mm	96.6	97.9	98.8	99.6	100.0	100.0	100.0	100.0	100.0	100.0	
	1.5 mm	94.1	96.8	97.9	99.1	99.6	100.0	100.0	100.0	100.0	100.0	
	1.0 mm	85.0	92.7	95.5	97.9	99.3	99.8	100.0	100.0	100.0	100.0	
	0.5 mm	64.9	77.9	89.3	94.7	97.0	98.8	99.3	100.0	100.0	100.0	
		0.5 %	1.0 %	1.5 %	2.0 %	2.5 %	3.0 %	3.5 %	4.0 %	4.5 %	5.0 %	
Dose Deviation												

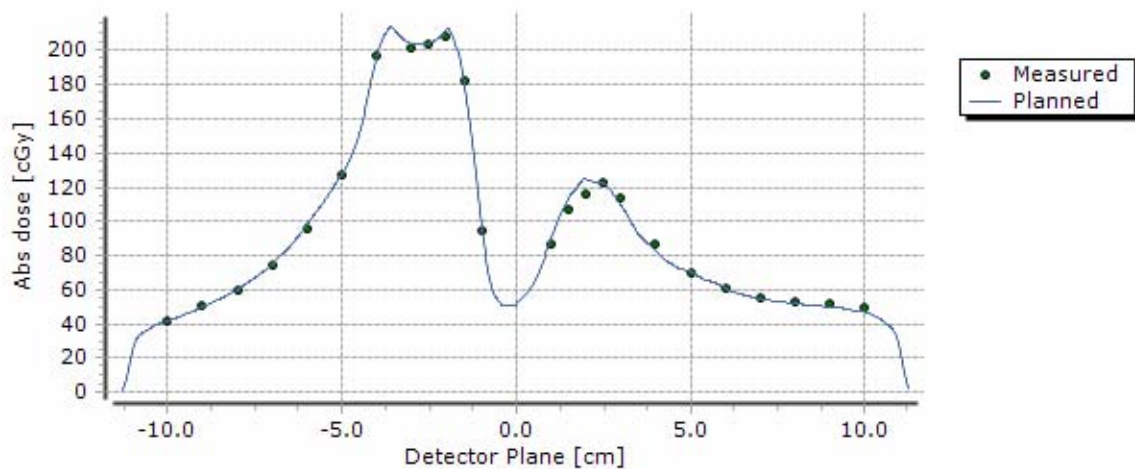
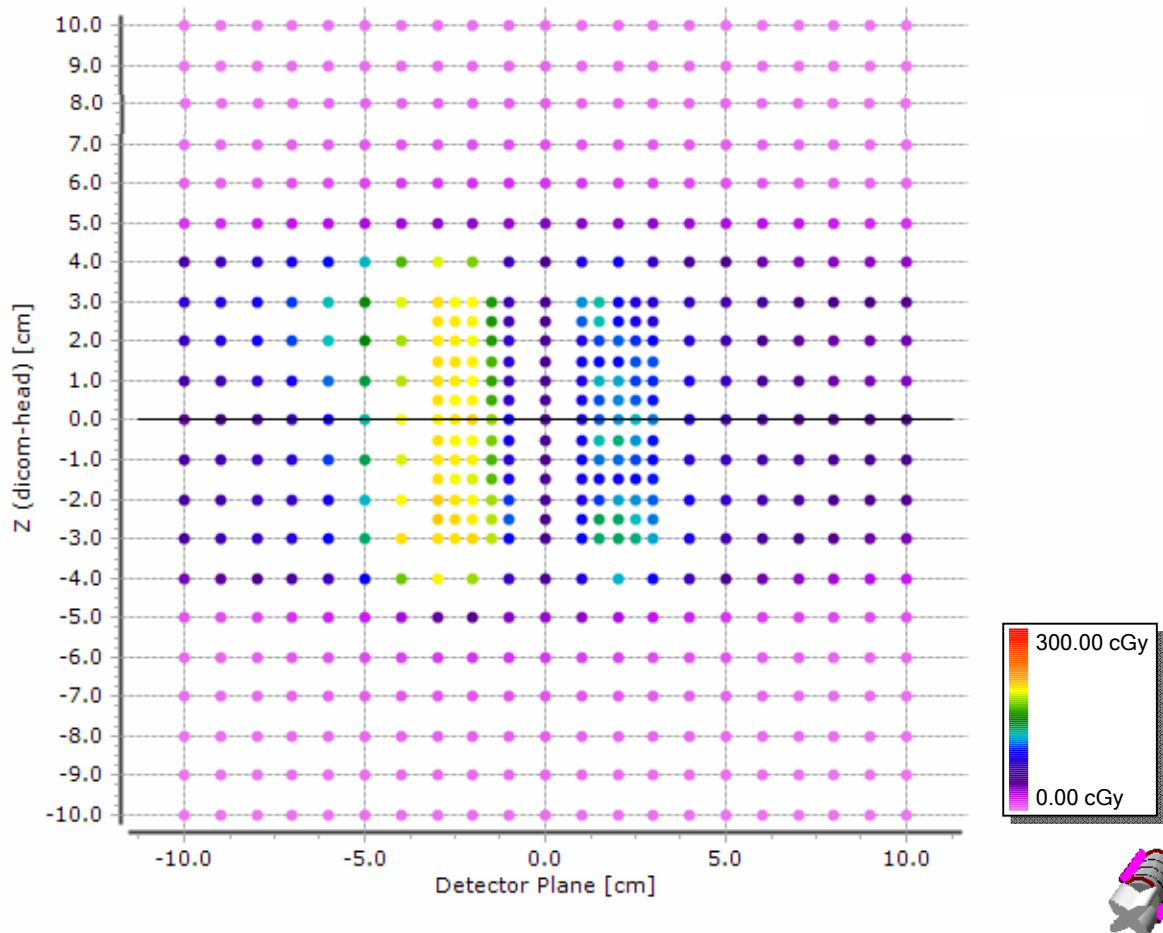
## Parameter Definitions & Acceptance Criteria, Detectors

Parameter	Selected Detectors	$\Delta$ Dose	$\Delta$ Dist	Acceptance Limits
Dose Deviation	Dose from 10% to 500%	n.a.	n.a.	90% within $\pm 5.0\%$
Dist to Agreement	Gradient $\geq 1\%/mm$	n.a.	n.a.	90% with DTA $\leq 3.0$ mm
Gamma Index	Dose from 10% to 500%	$\pm 2.0\%$	2.0 mm	95% with gamma $\leq 1$

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Absolute dose, Composite



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