

Lung DOT 15Fx Objective Sheet

(Data entry form for dosimetry)

Patient Name:

Case #

Prescription Dose

Contouring Compliance Y/N	Organ	Volume	Dose (Gy)	Treated Dose (Gy)	Deviation* (minor/major)
y	Spinal Cord	<0.035cc	42.3		
		<5cc	39		
y	Esophagus	<0.035cc	55.3		
		<5cc	51.3		
y	Brachial Plexus	<0.035cc	50.6		
		<3cc	44.5		
y	Heart/Pericardium	<0.035cc	48.9		
		<15cc	39.5		
y	Great Vessels	<0.035cc	54.3		
		<10cc	48.9		
y	Trachea and Large Bronchus	<0.035cc	45.6		
		<5cc	39.5		
y	Skin	<0.035cc	55.4		
		<10cc	49		
y	Rib	<0.035cc	52.2		
		<5cc	48.9		
y	Lung (Right and Left minus GTV)	1500cc	15.5		
		1000cc	16.3		
y	Lung (Right and Left minus GTV)	Mean Dose	<18Gy		
y	Lung (Right and Left minus GTV)	<37%	18Gy		
n/a	D95	95% of PTV	Rx		
n/a	D99	99% of PTV	90% Rx		
n/a	Hot spot	<2cc contiguous	110% Rx		

*Exceeding normal tissue dose limits by 5% is a minor deviation, while exceeding them by 10% is a major deviation. Deviations for PTV coverage and hot spots are below.

PTV

Minor: $97\% \leq D95 \leq 100\%$, $87\% \leq D99 \leq 90\%$

Major: $D95 < 97\%$, $D99 < 87\%$

Hot spot

Minor: Contiguous volume of no more than 2 cc anywhere in the patient receives 110 – 115% of prescription dose

Major: Contiguous volume > 2 cc anywhere in the patient receives $\geq 115\%$ of prescription dose