

SBRT Lung Priorities (5400cGy in 3#)		
Critical Normal Structure Constraints		
Spinal Cord	Max Point Dose 21.9Gy	
Prescription Goals		
≥95% of PTV to get ≥100% of Prescribed dose		
≥99% of PTV to get ≥90% of Prescribed dose		
Planning Goals		
Lungs total (-GTV)	V <sub>20Gy</sub> ≤ 10% (>15% unacceptable)	
	1500cc	Dose max 10.5Gy
	1000cc	Dose max 11.4Gy
Trachea/Proximal Bronchi	<4cc	15Gy
Heart/Pericardium	<15cc	24Gy
Oesophagus	<5cc	17.7Gy
Great vessels:	<10cc	39Gy
	Max Point Dose 45Gy	
Skin	<10cc	30Gy
Rib	<1cc	28.8Gy
High dose spillage:	Tissue outside PTV receiving ≥105% of prescription dose is ≤15% of PTV volume	
Dose at 2cm from PTV:	Max Point Dose 31.3Gy	
Vol100% / Vol PTV:	≤1.5	
Vol50% / Vol PTV:	≤5.3	

Ratio of Prescription Isodose Volume to the PTV		Ratio of 27 Gy Isodose Volume to the PTV, R50%		Maximum Dose at 2 cm from PTV in any direction as % of prescribed dose (PD). $D2cm (Gy) = \% \times PD$		Percent of Lung receiving 20 Gy total or more, $V_{20} (\%)$	
Deviation		Deviation		Deviation		Deviation	
none	acceptable	none	acceptable	none	acceptable	none	acceptable
<1.2	<1.5	<4.3	<5.3	<58.0	<68.0	<10	<15