Table 7.4g.2 lists dose constraint limits to a volume within critical organs. All dose limits indicated as variation unacceptable must be met, and treatment delivery that exceeds these limits will constitute a major protocol violation. Other volumetric dose constraints are suggested guidelines, and while every effort should be made to achieve the recommended constraints, exceeding the suggested dose volume metrics will not constitute a protocol deviation.

Table 7.4g.2 Normal Tissue Dose Constraints

Table 7.4g.2	Normal Tiss	Table 7.4g.2 Normal Tissue Dose Constraints						
			3 Fractions	4 Fractions	5 Fractions	8 Fractions		
Serial Tissue	Volume Priority		Limit	Limit	Limit	Limit		
	D0.03cc [Gy]	Variation Unacceptable	18.0	24	28	32		
Spinal Cord	D0.35cc [Gy] D1.2cc	Variation Unacceptable Variation	15.9	19	22	26.4		
	[Gy] D0.03cc	Unacceptable Variation	13	13.6	15.6	16.8		
	(Gy) D0.03cc	Unacceptable Variation	27	30	105%	105%		
Esophagus	(Gy)	acceptable Variation	25.2	30	35	40		
	[Gy] D0.03cc	Acceptable Variation	17.7	18.8	19.5	21.6		
Brachial Plexus	[Gy] D3cc	Unacceptable Variation	24	27.2	32.0	38		
	[Gy] D0.03cc [Gy]	Unacceptable Variation Unacceptable	30 Gy	24.7 34 Gy	105%	32.8 105%		
Heart	D0.03cc [Gy]	Variation acceptable	NA	NA	38	40		
	D15cc [Gy] D0.03cc	Variation acceptable Variation	24	28	32	34		
Great vessels	[Gy] D10cc	Unacceptable Variation	45	49	105%	105%		
VC33CI3	[Gy] D0.03cc	acceptable Variation	39	43	47	55		
Trachea	[Gy] D0.03cc	Unacceptable Variation	30	34.8	105%	105%		
Tradrica	[Gy]	acceptable Variation	NA	NA	40	44		
	[Gy] D0.03cc	acceptable Variation	25.8	29.2	32	35		
Proximal	[Gy] D0.03cc	Unacceptable Variation	30	34.8	105%	105%		
bronchial tree	[Gy] D0.5cc	acceptable Variation	23.1	28	33	38		
Chest Wall	[Gy] D0.03cc	acceptable Variation	18.9	20	21	23		
Chest wall	[Gy]	acceptable	50	54	57	63		



			3 Fractions	4 Fractions	5 Fractions	8 Fractions
	V30Gy [cc]	Variation acceptable	30 cc	30 cc	30 cc	30 cc
Skin	D0.03cc [Gy]	Variation acceptable	33	36	38.5	43
	D10cc [Gy]	Variation acceptable	31	33.2	36.5	38
Stomach	D0.03cc (Gy)	Variation Unacceptable	30	32.9	35	42
	D5cc[Gy]	Variation Unacceptable	22.5	24.8	26.5	31
Bile duct	Bile duct D0.03cc [Gy]		36	39	41	48
Renal hilum	D15cc [Gy]	Variation Unacceptable	19.5	21.5	23	28



		Dui a uitu .	3	4	5	8
		Priority	Fractions	Fractions	Fractions	Fractions
Parallel Tissue	Constraint		Limit (cc or %)	Limit (cc or %)	Limit (cc or %)	
	CV10.5Gy	Variation				
	[cc]	acceptable	>1500			
Lungs-GTV	CV11.6Gy [cc]	Variation acceptable		>1500		
	CV12.5Gy [cc]	Variation acceptable			>1500	
	CV13.6Gy [cc]	Variation acceptable				>1500
	V11Gy[%]	Variation acceptable	<37			
	V13Gy[%]	Variation acceptable		<37		
	V13.5Gy[%]	Variation acceptable			<37	
	V20 Gy	Variation acceptable	<10%	<10%	<10%	<10%
	V20 Gy	Variation Unacceptab le	<15%	<15%	<15%	<15%
Liver	CV17.1Gy [cc]	Variation acceptable	>700			
	CV19.2Gy [cc]	Variation acceptable		>700		
	CV21Gy[cc]	Variation acceptable			>700	
	CV24.8Gy [cc]	Variation acceptable				>700
Renal Cortex (Right + Left)	CV15Gy[cc]	Variation acceptable	>200			
	CV17[cc]	Variation acceptable		>200		
	CV18Gy[cc]	Variation acceptable			>200	
	CV20Gy [cc]	Variation acceptable				>200

Table 7.4g.3 Delivery Compliance Criteria

Tuble 1:49.0 Belivery Compliance Officia							
Delivery Met	ric	Per	Variation	Notes			
		Protocol	Acceptable				
Overall	3,4,5	≤14 days	≤16 days	Reason(s) for			
Treatment	Fraction			interruptions			
time	(every other			should be			
	day)			documented			
	8 fraction (daily or	≤18 days	≤20 days				

