

Appendix:

Table 1. The values of conformity index (CI) and homogeneity index (HI) in complete beam size technique for all 50 patients

No. of the patient	Complete beam size		
	PTV Mean Dose (cGy)	HI	CI
1	4088	0.1443	0.90885
2	4110	0.15229	0.94348
3	4033	0.18185	0.92649
4	4087	0.16672	0.57204
5	4101	0.15202	0.96935
6	3975	0.15741	1.32313
7	3960	0.13906	0.92502
8	4093	0.17201	0.94921
9	4049	0.38250	0.97631
10	4018	0.11734	0.98184
11	4087	0.16932	0.63508
12	4062	0.16268	0.77318
13	4050	0.12842	0.96588
14	4033	0.18185	0.92649
15	4088	0.16673	0.57210
16	4062	0.38260	0.97691
17	3975	0.15741	1.32313
18	4062	0.16268	0.77318
19	4053	0.12848	0.96591
20	4163	0.15929	0.9648
21	4049	0.38250	0.97631
22	4051	0.12848	0.96590
23	4163	0.15929	0.9648
24	4041	0.38010	0.97212
25	4042	0.37810	0.96911
26	4058	0.15810	0.73590
27	4077	0.16593	0.56910
28	3986	0.16741	1.42313

29	4033	0.18185	0.92649
30	3997	0.11624	0.98044
31	4034	0.15202	0.57204
32	4056	0.15741	0.96935
33	4088	0.13906	1.32313
34	4110	0.17201	0.92502
35	4033	0.38250	0.94921
36	4087	0.38250	0.97631
37	4101	0.12848	0.98184
38	3975	0.15929	0.63508
39	3960	0.38010	0.77318
40	4093	0.38250	0.96588
41	4049	0.15810	0.92649
42	4018	0.16593	0.57210
43	4087	0.16741	0.97691
44	4062	0.18185	1.32313
45	4050	0.11624	0.77318
46	4033	0.15202	0.96591
47	4088	0.15741	0.9648
48	4062	0.13906	0.97631
49	3975	0.17201	0.96590
50	4062	0.38250	0.9648

Table 2. Mean dose value delivered to the Right-Lung (Rt-lung) of 50 patients in complete beam techniques.

No. of the patient	Rt-Lung Mean Dose (cGy)		
	Complete beam mean	V20<30	Tolerancemean Dose
1	26	0	4000>
2	58	0	4000>
3	88	0	4000>
4	67	0	4000>
5	54	0	4000>
6	269	0	4000>

No. of the patient	Rt-Lung Mean Dose (cGy)		Tolerancemean Dose
	Complete beam mean	V20<30	
7	37	0	4000>
8	29	0	4000>
9	51	0	4000>
10	61	0	4000>
11	54	0	4000>
12	627	0	4000>
13	51	0	4000>
14	53	0	4000>
15	65	0	4000>
16	69	0	4000>
17	78	0	4000>
18	46	0	4000>
19	26	0	4000>
20	69	0	4000>
21	56	0	4000>
22	63	0	4000>
23	54	0	4000>
24	61	0	4000>
25	59	0	4000>
26	61	0	4000>
27	53	0	4000>
28	61	0	4000>
29	69	0	4000>
30	71	0	4000>
31	71	0	4000>
32	72	0	4000>
33	26	0	4000>
34	58	0	4000>
35	88	0	4000>
36	67	0	4000>
37	54	0	4000>
38	269	0	4000>
39	37	0	4000>
40	29	0	4000>
41	51	0	4000>
42	61	0	4000>
43	54	0	4000>
44	627	0	4000>
45	51	0	4000>
46	53	0	4000>

No. of the patient	Rt-Lung Mean Dose (cGy)		
	Complete beam mean	V20<30	Tolerancemean Dose
47	65	0	4000>
48	69	0	4000>
49	78	0	4000>
50	46	0	4000>

Table 3. Mean dose value delivered to the left-Lung (Lt-lung) of 50 patients in complete beam techniques.

No. of the patient	Lt lung mean Dose (cGy)		
	complete beam mean	V20<30	Tolerancemean Dose
1	442	9.12	4000>
2	1149	8.09	4000>
3	1429	26.41	4000>
4	815	13.27	4000>
5	1478	28.2	4000>
6	1324	27.03	4000>
7	1751	19.63	4000>
8	642	12.69	4000>
9	589	9.91	4000>
10	949	20.37	4000>
11	783	16.65	4000>
12	1751	18.63	4000>
13	1264	25.19	4000>
14	1472	15.61	4000>
15	784	24.32	4000>
16	654	21.45	4000>
17	1274	24.23	4000>
18	875	17.24	4000>
19	1321	18.97	4000>
20	1268	20.21	4000>
21	763	28.03	4000>
22	664	29.3	4000>
23	1138	18.33	4000>
24	1413	24.23	4000>
25	915	17.24	4000>
26	885	19.21	4000>
27	1214	20.21	4000>
28	1200	23.13	4000>
29	1246	27.34	4000>
30	1161	17.47	4000>
31	1297	24.13	4000>
32	1315	25.53	4000>
33	921	17.22	4000>
34	1143	8.19	4000>
35	1178	17.67	4000>
36	879	19.20	4000>
37	1287	27.59	4000>
38	1079	17.47	4000>
39	1397	25.93	4000>

No. of the patient	Lt lung mean Dose (cGy)		
	complete beam mean	V20<30	Tolerancemean Dose
40	736	18.51	4000>
41	589	20.11	4000>
42	1168	19.34	4000>
43	783	19.20	4000>
44	1393	29.59	4000>
45	1253	19.47	4000>
46	1472	18.63	4000>
47	784	17.13	4000>
48	654	17.22	4000>
49	1274	20.45	4000>
50	875	19.99	4000>

Table 4. Mean dose value delivered to heart of 50 patients in complete beam techniques.

No. of the patient	Heart mean Dose (cGy)		
	complete beam mean	V35<20	mean Dose < 2600
1	298	2.56	2600>
2	513	3.4	2600>
3	572	4.16	2600>
4	231	0	2600>
5	1281	19.8	2600>
6	833	6.45	2600>
7	883	5.46	2600>
8	213	0.05	2600>
9	391	2.34	2600>
10	258	0.66	2600>
11	221	0.37	2600>
12	883	2.27	2600>
13	294	3.85	2600>
14	486	4.1	2600>
15	245	7.43	2600>
16	390	0.32	2600>
17	211	4.31	2600>
18	201	5.54	2600>
19	483	3.74	2600>
20	294	2.76	2600>
21	739	0.64	2600>
22	305	5.34	2600>
23	1813	7.32	2600>
24	442	4.56	2600>
25	269	3.67	2600>
26	630	2.46	2600>
27	366	5.24	2600>
28	585	6.56	2600>

29	677	4.67	2600>
30	360	7.46	2600>
31	715	2.56	2600>
32	1152	3.4	2600>
33	289	4.16	2600>
34	583	0	2600>
35	397	19.8	2600>
36	242	6.45	2600>
37	781	5.46	2600>
38	434	0.05	2600>
39	493	2.34	2600>
40	256	0.66	2600>
41	391	0.37	2600>
42	212	2.27	2600>
43	221	3.85	2600>
44	473	4.1	2600>
45	294	7.43	2600>
46	486	0	2600>
47	245	19.8	2600>
48	390	6.45	2600>
49	211	5.46	2600>
50	201	0.05	2600>

Table 5. Max dose value delivered to spinal cord of 50 patients in complete beams technique

No. of the	Cord Max. Dose (cGy)	
	Complete beam max dose	Max. Dose (cGy< 2000
1	788	2000>
2	283	2000>
3	1244	2000>
4	1456	2000>
5	819	2000>
6	538	2000>
7	594	2000>
8	149	2000>
9	22	2000>
10	922	2000>
11	30	2000>
12	1112	2000>
13	918	2000>
14	1194	2000>
15	199	2000>
16	34	2000>

No. of the	Cord Max. Dose (cGy)	
	Complete beam max dose	Max. Dose (cGy< 2000
17	896	2000>
18	361	2000>
19	594	2000>
20	728	2000>
21	590	2000>
22	749	2000>
23	737	2000>
24	1030	2000>
25	366	2000>
26	515	2000>
27	838	2000>
28	1213	2000>
29	1301	2000>
30	1137	2000>
31	1236	2000>
32	2101	2000>
33	782	2000>
34	324	2000>
35	1332	2000>
36	1456	2000>
37	845	2000>
38	541	2000>
39	1542	2000>
40	243	2000>
41	381	2000>
42	976	2000>
43	145	2000>
44	1582	2000>
45	984	2000>
46	1576	2000>
47	681	2000>
48	331	2000>
49	985	2000>
50	396	2000>