

Appendix 1: The clinical data of all the patients

Patient	Cancer site	Thyroid volume(mL)	Prescribed dose (cGy)	Thyroid mean dose (cGy)	Time of occurrence RHT(month)
1	Right	15.5	5250	2648	6
2	Left	13.3	4750	1613	9
3	Right	18.9	4750	1096	N/A*
4	Right	14.1	5000	2395	N/A
5	Left	10.6	4250	1182	N/A
6	Left	20.4	5000	1543	6
7	Left	21.9	5250	1510	N/A
8	Left	21.6	4500	1720	6
9	Right	6.5	4500	1341	6
10	Right	19	5000	1959	12
11	Right	17.6	5250	2403	9
12	Right	12.1	5500	2623	6
13	Right	13.9	4750	1982	N/A
14	Left	34	5250	1448	N/A
15	Left	14.9	5000	1804	N/A
16	Right	35.2	5000	1164	N/A
17	Left	4.9	4750	2289	N/A
18	Right	18.3	4750	1130	N/A
19	Left	19.2	4750	1409	N/A
20	Right	18.7	5000	503	N/A
21	Left	18.8	4750	995	N/A
22	Right	25.4	4750	983	N/A
23	Right	16.7	5000	1277	N/A
24	Left	13.8	5250	2761	6
25	Right	16.2	4250	1054	N/A
26	Left	11.6	4250	1441	N/A
27	Left	11.8	5250	2597	9
28	Right	61.9	5000	2142	N/A
29	Right	9.5	4750	1895	N/A
30	Left	30.3	5000	1243	N/A
31	Left	15.7	4500	1056	N/A
32	Right	16.8	5250	1057	N/A
33	Left	13.4	4750	1371	N/A
34	Left	14	5000	1401	N/A
35	Left	12.9	4500	1186	N/A
36	Left	11.3	5250	2974	3
37	Left	30.3	5250	1675	N/A
38	Right	14.9	5250	1738	N/A
39	Left	13	5250	3205	3
40	Right	11.3	5250	2450	6
41	Right	16.4	5250	218	9
42	Left	19.4	5250	2695	6

43	Right	19.5	5500	2391	6
44	Left	14.8	4250	1537	N/A
45	Right	29.9	5250	2135	12
46	Right	17.1	5250	2925	6
47	Left	16.3	4250	2592	6
48	Left	16.1	5000	1197	N/A
49	Right	23.2	5250	3083	N/A
50	Right	7.7	5250	2007	N/A
51	Right	16.9	5250	2747	6
52	Left	11	5000	1119	3