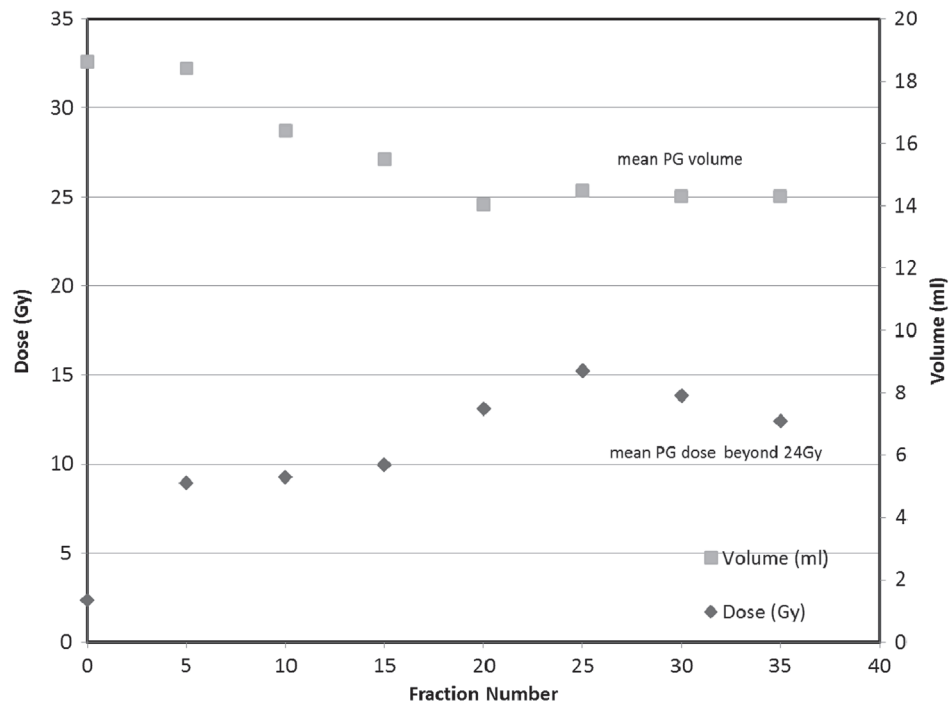


Supplementary material for Najim et al., Volumetric and dosimetric changes to salivary glands during radiotherapy for head and neck cancer, Acta Oncol, 2015;doi:10.3109/0284186X.2015.1068951.



Supplementary Figure 1. Contralateral mean PG dose/volume against treatment fraction.

Supplementary Table I Patient Characteristics

Characteristics	No of patients(%)
Age	N=20
Range	43-76 years
Median	61 years
Sex	
Female	3(15)
Male	17(85)
History of smoking	
Non smoker	8(40)
Current	3(15)
Exsmoker	9(45)
Primary Site	
Base of tongue	3(15)
Hypopharynx	1(5)
Nasopharynx	7(35)
Retromolar trigone	1(5)
Soft palate	1(5)
Supraglottic	1(5)
Tonsil	5(25)
Unknown Primary	1(5)
T Stage	
T0	1(5)
T1	6(30)
T2	7(35)
T3	2(10)
T4	4(20)
N Stage	
N0	1(5)
N1	3(15)
N2	15(75)
N3	1(5)
P16 status	
Positive	6(30)
Negative	5(25)
Unknown	9(45)

Supplementary Table II. Ipsilateral PG volumetric, dosimetric and positional changes during RT.

<i>Patient</i>	<i>Volume</i> <i>(ml)</i> <i>initial</i>	<i>Volume</i> <i>(ml)</i> <i>end</i>	<i>Dose</i> <i>(Gy)</i> <i>initial</i>	<i>Dose (Gy)</i> <i>cumulative</i>	<i>X (cm)</i>	<i>Y (cm)</i>	<i>Z (cm)</i>
1	15.4	11.64	52.7	53.8	0.24	0.08	-0.12
2	53.2	32.7	39.6	43.6	0.11	0.45	0.07
3	37.0	29.6	57.9	59.7	-0.14	0.1	-0.06
4	17.7	17.1	37.4	50.7	-0.11	0.03	-0.26
5	34.2	17.1	57.4	60.5	-1.39	0.57	-0.22
6	41.5	29.0	39.5	53.5	-0.46	0.58	-0.25
7	45.9	37.8	24.0	37.4	0.46	0.03	-1.02
8	21.6	11.29	52.6	60.6	0.36	0.25	-0.18
9	3.8	5.2	34.8	47.8	-0.29	0.07	-0.37
10	40.5	38.1	47.4	53.5	0.29	0.26	-0.21
11	34.5	30.4	63.9	65.5	0.67	-0.03	0.20
12	28.4	20.6	55.2	72.7	-0.7	0.8	-0.45
13	30.1	29.2	24.2	31.6	-0.38	0.32	-0.28
14	34.5	21.1	55.1	63.5	-0.51	0.16	-0.22
15	42.0	31.1	48.1	47.6	-0.32	0.15	-0.31
16	36.1	20.9	24.0	27.7	1.21	-0.17	-0.68
17	30.5	28.4	46.0	48.3	-0.33	-0.3	0.71
18	35.8	19.5	30.2	30.8	-0.21	0.2	-0.12
19	14.9	9.5	23.9	30.2	-0.09	0.05	0.39
20	30.0	18.3	58.5	56.4	-0.2	-0.06	0.36

Supplementary Table III. Contralateral PG volumetric, dosimetric and positional changes during RT.

<i>Patient</i>	<i>Volume</i> <i>(ml)</i> <i>initial</i>	<i>Volume</i> <i>(ml)</i> <i>end</i>	<i>Dose</i> <i>(Gy)</i> <i>initial</i>	<i>Dose (Gy)</i> <i>cumulative</i>	<i>X (cm)</i>	<i>Y (cm)</i>	<i>Z (cm)</i>
1	16.0	11.1	22.6	22.5	-0.28	0.0	-0.15
2	50.9	27.3	23.5	28.3	-0.55	0.14	0.27
3	44.8	33.6	22.9	22.4	0.38	0.02	0.57
4	19.7	14.5	24.4	33.3	0.32	0.02	-0.15
5	33.2	19.3	22.0	28.9	1.29	0.81	-0.30
6	47.1	29.1	23.9	28.1	0.06	0.48	-0.34
7	48.4	37.1	23.9	31.5	-0.42	0.02	-0.87
8	16.8	10.1	23.2	22.2	-0.19	0.25	-0.07
9	36.1	33.3	22.3	29.6	0.39	0.14	-0.16
10	37.8	31.3	22.3	28.5	-0.36	0.33	-0.01
11	41.8	30.1	23.8	34.5	-0.23	0.22	-0.07
12	26.0	25.4	22.0	50.0	0.91	0.65	-0.74
13	25.5	29.7	24.0	31.1	0.41	0.26	-0.28
14	28.3	20.5	34.0	43.9	0.07	0.25	-0.10
15	35.7	29.1	24.3	22.7	0.15	0.29	-0.2
16	31.3	14.5	24.1	39.1	-2.33	0.6	-0.01
17	32.6	32.8	21.8	24.8	0.41	-0.1	1.36
18	37.3	23.9	26.2	26.9	0.36	0.11	-0.04
19	16.7	10.3	23.8	29.5	0.09	0.29	0.34
20	31.8	25.9	23.8	22.0	-0.02	0.27	0.12