

## Additional file 1

**Table A. the domain scores (Mean  $\pm$  SD) in patients with different gender, other disease and tumor site**

	N	Function	Emotion	Family	General	Pain	Swallow	Saliva	Appearance	Speech	Taste	Cough
Gender												
Male	176	6.66 $\pm$ 1.77	6.36 $\pm$ 1.44	7.05 $\pm$ 1.25	7.20 $\pm$ 1.68	7.13 $\pm$ 2.92	6.89 $\pm$ 1.95	3.53 $\pm$ 2.94	6.45 $\pm$ 3.21	7.85 $\pm$ 2.72	5.87 $\pm$ 3.44	7.82 $\pm$ 2.78
Female	62	6.38 $\pm$ 1.74	6.23 $\pm$ 1.26	6.76 $\pm$ 1.33	6.91 $\pm$ 1.55	7.02 $\pm$ 2.54	6.72 $\pm$ 1.99	3.60 $\pm$ 2.78	7.02 $\pm$ 2.94	7.83 $\pm$ 2.62	5.97 $\pm$ 3.28	7.60 $\pm$ 2.63
<i>P</i>		0.283	0.516	0.123	0.235	0.803	0.547	0.875	0.224	0.966	0.839	0.582
Other disease												
Yes	49	6.71 $\pm$ 1.88	6.50 $\pm$ 1.23	7.08 $\pm$ 1.35	7.12 $\pm$ 1.62	7.61 $\pm$ 2.45	7.04 $\pm$ 2.00	3.61 $\pm$ 3.08	6.97 $\pm$ 2.95	8.28 $\pm$ 2.55	6.16 $\pm$ 3.49	8.07 $\pm$ 2.47
No	189	6.55 $\pm$ 1.74	6.27 $\pm$ 1.42	6.95 $\pm$ 1.26	7.11 $\pm$ 1.68	6.97 $\pm$ 2.90	6.79 $\pm$ 1.95	3.54 $\pm$ 2.85	6.50 $\pm$ 3.20	7.72 $\pm$ 2.72	5.82 $\pm$ 3.37	7.68 $\pm$ 2.81
<i>P</i>		0.573	0.300	0.517	0.970	0.158	0.438	0.882	0.348	0.209	0.534	0.378
Tumor site												
Nasopharynx	170	6.53 $\pm$ 1.71	6.34 $\pm$ 1.36	7.00 $\pm$ 1.28	7.09 $\pm$ 1.63	7.22 $\pm$ 2.66	6.73 $\pm$ 1.97	3.45 $\pm$ 2.87	6.72 $\pm$ 3.02	7.87 $\pm$ 2.56	5.75 $\pm$ 3.36	7.76 $\pm$ 2.59
Non-nasopharynx	68	6.73 $\pm$ 1.91	6.27 $\pm$ 1.48	6.92 $\pm$ 1.26	7.17 $\pm$ 1.71	6.82 $\pm$ 3.19	7.12 $\pm$ 1.90	3.80 $\pm$ 2.96	6.69 $\pm$ 3.45	7.78 $\pm$ 3.02	6.26 $\pm$ 3.48	7.76 $\pm$ 3.10
<i>P</i>		0.432	0.727	0.637	0.736	0.324	0.173	0.398	0.343	0.820	0.289	1.000