

**Supplementary Table 1.** Clinical description of patients

<b>Parameter</b>	<b>Number of patients (%)</b>
<b>Site of tumor</b>	
Larynx	42 (72)
Pharynx	6 (10)
Other	10 (18)
<b>T-stage</b>	
T 0-2	19 (33)
T 3	22 (38)
T 4	17 (29)
<b>N-stage</b>	
N0-1	35 (60)
N2-3	23 (40)
<b>Stage</b>	
I-II	9 (16)
III	17 (29)
IV	32 (55)
<b>Grade*</b>	
Well Diff.	15 (27)
Moderate Diff.	33 (60)
Poor Diff.	7 (13)

\* Pathological data of three patients were missing