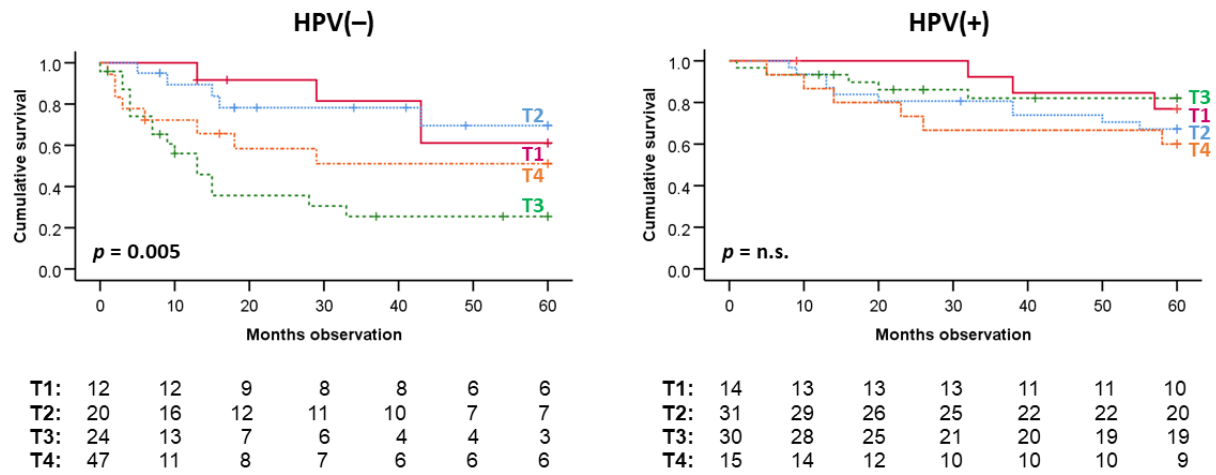


## Supplementary Information

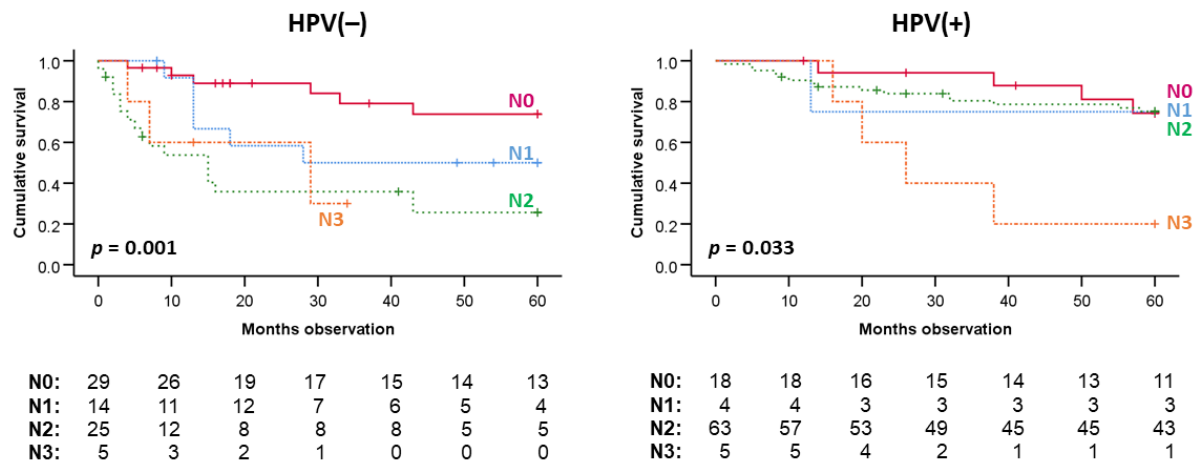
# Tumor Infiltration Levels of CD3, Foxp3 (+) Lymphocytes and CD68 Macrophages at Diagnosis Predict 5-year Disease-specific survival in Patients with Oropharynx Squamous Cell Carcinoma

**Table S1. Histological grading of the tumors by Kristensen.** Scoring system previously published [24, 28].

		HPV(-) <i>n</i> patients	HPV(+) <i>n</i> patients	Statistics HPV(-) vs. HPV(+) <i>p</i> -Value
Keratinization				
1	>50%	9	2	<0.001
2	20-50%	18	7	
3	5-20%	23	17	
4	0-5%	15	57	
Cancer cell nuclear polymorphism				
1	>75%	7	1	<0.001
2	50-75%	11	2	
3	25-50%	28	17	
4	0-25%	19	63	
Invasion				
1	Pushing	1	20	<0.003
2	Infiltrating solid cords	22	39	
3	Infiltrating cells	24	17	
4	Widespread	18	7	
Inflammatory response				
1	Marked	9	31	<0.001
2	Moderate	11	32	
3	Slight	39	16	
4	None	6	4	
Stromal desmoplasia				
1	None	9	34	<0.001
2	Slight	17	23	
3	Moderate	22	21	
4	Marked	17	5	



**Figure S1. Five year DSS by T stage divided into tumor HPV categories.** PCR determined HPV status and T stage from the international cancer union classification. Survival curves and statistics by Kaplan-Meier plot and Log-rank tests.



**Figure S2. Five year DSS by N stage divided into tumor HPV categories.** PCR determined HPV status and T stage from the international cancer union classification. Survival curves and statistics by Kaplan-Meier plot and Log-rank tests.