

Supplementary Table S1: Clinical characteristics of OPMD.

	OPMD (n = 83)
Diagnosis	
Benign squamous papilloma	3 (3.6)
Oral Leukoplakia	22 (26.5)
Oral Lichen Planus	9 (10.8)
Oral Lichenoid Lesion	5 (6.0)
Dysplasia	40 (48.2)
NA	4 (4.8)
Anatomic sites	
Tongue	33 (39.8)
Floor of mouth	6 (7.2)
Alveolus	6 (7.2)
Buccal mucosa	16 (19.3)
Retromolar trigone	1 (1.2)
Hard palate	3 (3.6)
Others	4 (4.8)
N/A	14 (16.9)

Supplementary Table S2: Clinical characteristics of OC.

	OC (n = 106)
AJCC TNM	
Stage I	21 (19.8)
Stage II	27 (25.5)
Stage III	7 (6.6)
Stage IV	35 (33.0)
NA	16 (15.1)
Anatomic sites	
Tongue	51 (48.1)
Floor of mouth	22 (20.8)
Alveolus	15 (14.2)
Buccal mucosa	6 (5.7)
Retromolar trigone	7 (6.6)
Hard palate	5 (4.7)

Supplementary Table S3: HPV-16 genotyping in unstimulated saliva, oral rinse, oral swab and tumour biopsies of OPMD patients.

Sample	Unstimulated saliva	Oral rinse	Oral swab	Tumour biopsy
OPMD 12	No	No	No	No
OPMD 14	No	No	No	No
OPMD 18	No	No	No	No
OPMD 21	No	No	Insufficient DNA	No
OPMD 24	No	No	Insufficient DNA	No
OPMD 25	No	No	No	No
OPMD 29	No	No	No	No
OPMD 30	Yes	Yes	No	Yes
OPMD 31	No	No	No	No

Supplementary Table S4: HPV-16 infection (saliva and tumour biopsy) and tumour p16INK4a in OC patients.

Sample	Saliva	Tumour biopsy	p16INK4a status
OC 1	No	No	Negative
OC 2	Yes	Yes	Positive
OC 3	No	No	Negative
OC 4	No	No	Negative
OC 7	No	No	Positive
OC 8	No	No	Negative
OC 9	No	No	Negative
OC 11	No	No	Negative
OC 69	No	No	UNKNOWN
OC 72	No	No	Positive
OC 76	No	No	UNKNOWN
OC 79	No	No	UNKNOWN
OC 85	No	No	UNKNOWN
OC 87	No	No	Positive