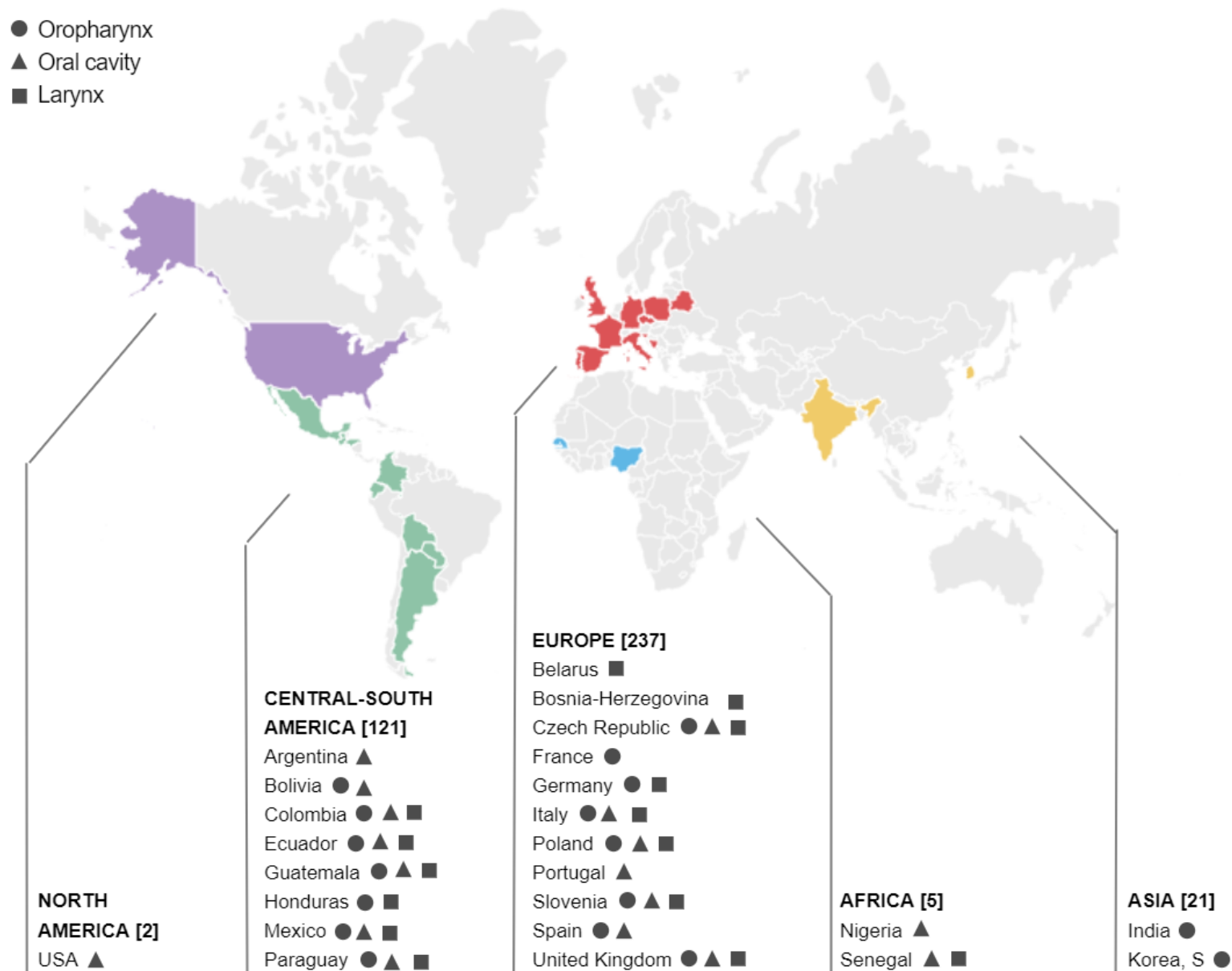


**Figure S1. Number of HPV-DNA positive head and neck cancer samples included in the study, by region**



**Table S1. Descriptive characteristics of HPV-DNA positive head and neck cancer patients included in the analysis**

Characteristics	Total (n=386) No. (%)	Oropharynx (n=257) No. (%)	Oral cavity (n=78) No. (%)	Larynx (n=51) No. (%)
Geographical origin				
Europe	237 (61.4)	174 (67.7)	40 (51.3)	23 (45.1)
North America	2 (0.5)	0 (0.0)	2 (2.6)	0 (0.0)
Central-South America	121 (31.3)	62 (24.1)	34 (43.6)	25 (49.0)
Africa	5 (1.3)	0 (0.0)	2 (2.6)	3 (5.9)
Asia	21 (5.4)	21 (8.2)	0 (0.0)	0 (0.0)
Sex				
Male	276 (71.5)	188 (73.2)	49 (62.8)	39 (76.5)
Female	109 (28.1)	68 (26.5)	29 (37.2)	12 (23.5)
Missing	1 (0.3)	1 (0.4)	0 (0.0)	0 (0.0)
Year of diagnosis				
1990-1994	7 (1.8)	7 (2.7)	0 (0.0)	0 (0.0)
1995-1999	18 (4.7)	13 (5.1)	5 (6.4)	0 (0.0)
2000-2004	58 (15.0)	43 (16.7)	9 (11.5)	6 (11.8)
2005-2009	214 (55.4)	128 (49.8)	54 (69.2)	32 (62.7)
2010-2012	89 (23.1)	66 (25.7)	10 (12.8)	13 (25.5)
Range	1991-2012	1991-2012	1995-2012	2000-2012
Age at diagnosis, y				
≤53	133 (34.5)	90 (35.0)	22 (28.2)	21 (41.2)
54-61	100 (25.9)	77 (30.0)	11 (14.1)	12 (23.5)
62-70	83 (21.5)	52 (20.2)	21 (26.9)	10 (19.6)
≥71	66 (17.1)	38 (14.8)	20 (25.6)	8 (15.7)
Missing	4 (1.0)	0 (0.0)	4 (5.1)	0 (0.0)
Mean (SD)	58.5 (12.7)	58.5 (11.7)	60.2 (14.9)	55.8 (14.0)
Age range	19-91	26-91	19-85	19-85
Histological diagnosis				
SCC NOS/conventional non keratinizing	146 (37.8)	109 (42.4)	23 (29.5)	14 (27.5)
Conventional keratinizing	137 (35.5)	60 (23.3)	43 (55.1)	34 (66.7)
Conventional exophytic keratinizing	4 (1.0)	3 (1.2)	1 (1.3)	0 (0.0)
Basaloid/papillary	97 (25.1)	83 (32.3)	11 (14.1)	3 (5.9)
Undifferentiated carcinoma	1 (0.3)	1 (0.4)	0 (0.0)	0 (0.0)
Adenosquamous carcinoma	1 (0.3)	1 (0.4)	0 (0.0)	0 (0.0)

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