

Table 2.11. Case–control studies of Epstein-Barr virus infection and oral squamous cell carcinoma

Reference, study location and period	Characteristics of cases	Characteristics of controls	Detection method	Exposure categories	No. of exposed cases	Relative risk (95% CI)	Adjusted potential confounders	Comments
Szkardkiewicz <i>et al.</i> (2002) Poland	28 cases of histologically confirmed oropharyngeal squamous cell carcinoma (14 palatine tonsil carcinomas and 14 tongue carcinomas)	20 healthy volunteers	EBV DNA in serum by PCR-ELISA Anti-EBV IgG EA, VCA and EBNA by ELISA	EBV DNA			No	Characteristics of controls were unavailable. EBA DNA in serum was detected in 2 (10%) controls, and Anti-EBV EA, VCA or EBNA in 16 (80%) controls.
				No	10	1.0		
				Yes	18	16.2 [3.37, 74.79]		
				Anti-EA, VCA or EBNA				
No	4	1.0						
Yes	24	1.5 [0.28, 7.76]						
Sand <i>et al.</i> (2002) Sweden	29 cases of histologically confirmed oral squamous cell carcinoma	67 controls affected with dentoalveolar problems	EBV DNA in biopsies by nested PCR	EBV DNA			No	EBV DNA was positive in 5 (7.5%) controls. There was no difference in EBV DNA positivity between smoking and nonsmoking controls.
				No	18	1.0		
				Yes	11	7.6 [2.41, 23.72]		