

Table 3 Smoking dose–effect relationship for cases (chronic bronchitis) and controls (without chronic bronchitis)

Dose	Controls (<i>n</i> = 559) No. (%)	Cases (<i>n</i> = 274) No. (%)	<i>P</i> -value	OR (95% CI)
Previous cigarette smoking (pack-years)^a	(<i>n</i> = 342)	(<i>n</i> = 131)	< 0.001	
< 1	256 (74.9)	16 (12.2)		1.00
1–18	41 (12.0)	17 (13.0)		6.63 (3.11–14.16)
18.1–56	32 (9.4)	47 (35.9)		23.50 (11.95–46.20)
> 56	13 (3.8)	51 (38.9)		62.77 (28.46–138.46)
Previous waterpipesmoking (waterpipe-years)^b	(<i>n</i> = 283)	(<i>n</i> = 52)	< 0.001	
< 0.1	255 (90.1)	17 (32.7)		1.00
0.1–29.9	16 (5.7)	10 (19.2)		9.38 (3.70–23.77)
≥ 30	12 (4.2)	25 (48.1)		31.25 (13.42–72.78)
Current cigarette smoking (pack-years)^a	(<i>n</i> = 396)	(<i>n</i> = 151)	< 0.001	
< 1	270 (68.2)	25 (16.6)		1.00
1–18	57 (14.4)	13 (8.6)		2.46 (1.19–5.10)
18.1–45	49 (12.4)	39 (25.8)		8.60 (4.78–15.46)
> 45	20 (5.1)	74 (49.0)		39.96 (21.03–75.92)
Current waterpipe smoking (waterpipe-years)^b	(<i>n</i> = 341)	(<i>n</i> = 42)	< 0.001	
< 0.1	261 (76.5)	18 (42.9)		1.00
0.1–19.9	50 (14.7)	4 (9.5)		1.16 (0.377–3.57)
≥ 20	30 (8.8)	20 (47.6)		9.67 (4.61–20.27)
Previous waterpipe frequency (waterpipe/week)	(<i>n</i> = 286)	(<i>n</i> = 54)	< 0.001	
< 0.1	256 (89.6)	17 (31.5)		1.00
0.1–3	15 (5.2)	12 (22.2)		12.05 (4.88–29.75)
> 3	15 (5.2)	25 (46.3)		25.10 (11.20–56.23)
Previous waterpipe duration (years)	(<i>n</i> = 286)	(<i>n</i> = 54)	< 0.001	
< 0.1	258 (90.2)	19 (35.2)		1.00
0.1–9.9	16 (5.6)	10 (18.5)		8.49 (3.39–21.24)
≥ 10	12 (4.2)	25 (46.3)		28.29 (12.32–64.95)
Current waterpipe frequency (waterpipe/week)	(<i>n</i> = 345)	(<i>n</i> = 42)	0.001	
< 0.1	256 (74.2)	17 (40.5)		1.00
0.1–2	35 (10.1)	4 (9.5)		1.72 (0.55–5.41)
2.1–7	52 (15.1)	19 (45.2)		5.50 (2.68–11.29)
> 7	2 (0.6)	2 (4.8)		15.06 (2.00–113.58)
Current waterpipe duration (years)	(<i>n</i> = 345)	(<i>n</i> = 42)	< 0.001	
< 0.1	265 (76.8)	18 (42.9)		1.00
0.1–5	39 (11.3)	2 (4.8)		0.76 (0.17–3.38)
5.1–10	34 (9.9)	15 (35.7)		6.50 (3.00–1.63)
> 10	7 (2.0)	7 (16.7)		14.72 (14.72–46.56)

^aCumulative/day; ^bCumulative/week.

OR = odds ratio; CI = confidence interval.