

Oral hygiene practices and knowledge among adolescents aged between 15 and 17 years old during fixed orthodontic treatment: multicentre study conducted in France

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Supplementary Table S1. Knowledge of adolescents regarding prevention of oral diseases according to orthodontic treatment. n: number of adolescents.

Variable		No orthodontic treatment (n = 266)	Orthodontic treatment (n = 166)	p-value (*) (chi-square)
Frequency of daily toothbrushing	Less than twice	3.6%	4.9%	0.909
	Twice	43.5%	43.3%	
	More than twice	52.9%	51.8%	
Duration of toothbrushing	1 minute or less	0.4%	0.0%	0.231
	2 minutes	6.6%	6.0%	
	3 minutes	21.7%	30.1%	
	> 3 minutes	59.7%	55.4%	
	I don't know	11.1%	7.8%	
Snacking reduces caries	No	80.5%	76.5%	0.330
	Yes	9.7%	12.1%	
	I don't know	0%	0%	
Sticky food protects from decay	No	92.9%	96.4%	0.319
	Yes	1.8%	1.2%	
	I don't know	5.3%	2.4%	
Fluoride toothpaste prevents calculus	No	12.4%	13.3%	0.578
	Yes	37.6%	48.2%	
	I don't know	50.0%	38.6%	
Fluoride toothpaste makes teeth white	No	14.6%	18.1%	0.880
	Yes	44.3%	52.4%	
	I don't know	41.2%	29.5%	
Fluoride toothpaste provides fresh breath	No	22.6%	24.1%	0.635
	Yes	32.7%	39.8%	
	I don't know	44.7%	36.1%	
Fluoride toothpaste prevents decay	No	12.0%	7.2%	0.001
	Yes	46.0%	65.1%	
	I don't know	42.0%	27.7%	

(*) p-values were calculated without considering the answer 'I don't know'

Supplementary Table S2. Oral hygiene, nutrition, and harmful habits among adolescents aged between 15 and 17 years old according to orthodontic treatment. n: number of adolescents.

Variable	No orthodontic treatment (n = 266)	Orthodontic treatment (n = 166)	p-value (*) (chi-square)
Dental floss use			0.635
	Often	0.9%	1.2%
	Sometimes	7.5%	6.0%
	Rarely	11.5%	15.7%
	Never	78.8%	76.5%
	I don't know	1.3%	0.6%
Interdental brush use			<0.001
	Often	0.4%	12.1%
	Sometimes	4.0%	23.0%
	Rarely	12.0%	13.9%
	Never	81.9%	48.5%
	I don't know	1.8%	2.4%
Frequency of snacking			0.237
	Less than 3 times	2.2%	3.0%
	3 times	11.1%	11.5%
	4 times	23.5%	33.1%
	5 times	23.9%	18.7%
	More than 5 times	39.4%	33.7%
Fizzy drinks			0.040
	Often	48.7%	39.8%
	Sometimes	38.5%	39.2%
	Rarely	8.9%	18.1%
	Never	4.0%	3.0%
	I don't know	0.0%	0.0%
Sweets			0.167
	Often	33.6%	24.7%
	Sometimes	38.9%	45.2%
	Rarely	22.6%	27.1%
	Never	4.9%	3.0%
	I don't know	0.0%	0.0%
Fast foods			0.027
	Often	25.8%	15.1%
	Sometimes	40.9%	42.2%
	Rarely	29.3%	34.3%
	Never	4.0%	8.4%
	I don't know	0.0%	0.0%
Cigarettes			0.002
	Often	11.1%	4.2%
	Sometimes	6.7%	2.4%
	Rarely	9.8%	4.8%
	Never	72.4%	88.0%
	I don't know	0.0%	0.6%
Drugs			0.422
	Often	0.4%	1.2%
	Sometimes	3.5%	1.8%
	Rarely	3.5%	1.8%
	Never	92.5%	94.6%
	I don't know	0.0%	0.6%
Alcohol			0.226
	Often	2.2%	2.4%
	Sometimes	23.0%	17.5%
	Rarely	22.6%	17.5%
	Never	52.2%	62.1%
	I don't know	0.0%	0.6%

(*) p-values were calculated without considering the answer 'I don't know'

Supplementary Table S3. Self-perception of oral and general health according to orthodontic treatment. n: number of adolescents.

Variable	No orthodontic treatment (n = 266)	Orthodontic treatment (n = 166)	p-value (*) (chi-square)
Difficulty eating			0.068
Often	4.4%	3.0%	
Sometimes	11.1%	13.3%	
Rarely	23.0%	33.7%	
Never	61.5%	49.4%	
I don't know	0.0%	0.6%	
Difficulty chewing			0.002
Often	3.5%	3.0%	
Sometimes	9.4%	14.5%	
Rarely	21.0%	34.9%	
Never	66.1%	47.0%	
I don't know	0.0%	0.6%	
Toothache			0.152
Often	6.6%	3.0%	
Sometimes	17.3%	24.7%	
Rarely	34.5%	36.8%	
Never	41.2%	35.5%	
I don't know	0.4%	0.0%	
Embarrassed about their teeth			0.007
Often	8.1%	10.3%	
Sometimes	8.5%	18.8%	
Rarely	13.8%	15.1%	
Never	67.4%	55.8%	
I don't know	2.2%	0.0%	

(*) p-values were calculated without considering the answer 'I don't know'