

Orthodontic Status and Association with Oral-Health-Related Quality of Life—A Study of 16-Year-Old Norwegians with a Cleft Lip and Palate

Supplementary file

Table S1. Bergen Orthodontic Grading Index

Intermaxillary Sagittal relation (ANB-angle/facial profile)

- 1 Poor (ANB= $<-5^{\circ}$)
- 2 Rather poor (ANB= $\geq -5^{\circ}$ and $<-2^{\circ}$)
- 3 Fair (ANB= $\geq -2^{\circ}$ and $<0^{\circ}$)
- 4 Good (ANB = $\geq 0^{\circ}$ and $\leq 2^{\circ}$)
- 5 Perfect (ANB = $>2^{\circ}$)

Dental arch and future need for orthodontic and prosthodontic treatment

- 1 Major spacing/missing teeth
- 2 Minor spacing/missing teeth
- 3 Misaligned teeth
- 4 Acceptable aligned dentitions
- 5 Perfect aligned dentitions

Occlusion and the need for orthognathic surgery

- 1 Negative overjet more than 8 mm
- 2 Negative overjet -1 to -8 mm
- 3 Edge to edge occlusion
- 4 Positive overjet
- 5 Perfect occlusion and overjet

Table S2. Frequency distribution n (%) of clinical indicators, according to cleft type.

Clinical indicators	UCLP n (%)	BCLP n (%)	CL n (%)	CP n (%)	Total n (%)
Missing teeth (agenesis or extracted due to poor quality)					
Yes	27 (84.4) *	11 (100) *	11 (32.4)	17 (37.8)	66 (54.1)
No	5 (15.6)	0 (0)	23 (67.6)	28 (62.2)	56 (45.9)
Intermaxillary sagittal relations (facial profile)					
ANB= <0° (poor – fair sagittal relationship)	21 (65.6) *	7 (63.6) *	11 (32.4)	3 (6.7)	42 (34.4)
ANB= ≥0° (good – perfect sagittal relationship)	11 (34.4)	4 (36.4)	23 (67.6)	42 (93.3)	80 (65.6)
Dental arch					
Spacing and malaligned dentition	18 (56.3) *	9 (81.8) *	6 (17.6)	6 (13.3)	39 (32.0)
Acceptable-perfect dentition	14 (43.8)	2 (18.2)	28 (82.4)	39 (86.7)	83 (68.0)
Occlusion					
Negative overjet or open bite	9 (28.1) *	4 (36.4) *	1 (2.9)	3 (6.7)	17 (13.9)
Positive overjet and good occlusion	23 (71.9)	7 (63.6)	33 (97.1)	42 (93.3)	105 (86.1)

*p<0.05

Table S3. The unadjusted association between satisfaction with dental aesthetic and OHRQoL.

	Self-reported dental aesthetic	
	Satisfied	Not satisfied
OHIP-14 scoring		
No impact (OHIP-14=0)	23 (23.5)	1 (4.2)
Impact (OHIP-14>0)	75 (76.5)	23 (95.8)*
Total	98 (80.3)	24 (19.7)

*p<0.05