

Supplementary Table 4. Diagnostic reliability of the cervical vertebral maturation stages 2 to 4 in the identification of the mandibular growth peak, as annualized increment in Co-Gn distance according to each annual age interval from 9 to 16 years for the Burlington Growth Study.

CVM stage / Diagnostic Parameter	Age intervals					
	9-10 yrs	10-11 yrs	11-12 yrs	12-13 yrs	13-14 yrs	14-16 yrs
CS2						
Sensitivity	0	0.33 (0-0.87)	0.13 (0-0.35)	0.25 (0-0.67)	0.67 (0.29-1)	0.50 (0.01-0.99)
Specificity	0.92 (0.81-1)	0.63 (0.43-0.82)	0.79 (0.61-0.97)	0.65 (0.46-0.85)	0.86 (0.71-1)	0.91 (0.80-1)
PPV	0	0.10 (0-0.29)	0.20 (0-0.55)	0.11 (0-0.32)	0.57 (0.20-0.94)	0.50 (0.01-0.99)
NPV	0.92 (0.81-1)	0.88 (0.73-1)	0.68 (0.49-0.88)	0.83 (0.66-1)	0.90 (0.77-1)	0.91 (0.80-1.03)
Accuracy	0.85 (0.72-0.99)	0.59 (0.41-0.78)	0.59 (0.41-0.78)	0.59 (0.41-0.78)	0.81 (0.67-0.96)	0.85 (0.72-0.99)
CS3						
Sensitivity	0	0	0.38 (0.04-0.71)	0.50 (0.01-0.99)	0.17 (0-0.46)	0.25 (0-0.67)
Specificity	1	0.96 (0.88-1)	0.74 (0.54-0.93)	0.83 (0.67-0.98)	0.90 (0.78-1)	0.91 (0.80-1)
PPV	--	0	0.38 (0.04-0.71)	0.33 (0-0.71)	0.33 (0-0.87)	0.33 (0-0.87)
NPV	0.93 (0.83-1)	0.88 (0.76-1)	0.74 (0.54-0.93)	0.90 (0.78-1)	0.79 (0.63-0.95)	0.88 (0.74-1)
Accuracy	0.93 (0.83-1)	0.85 (0.72-0.99)	0.63 (0.45-0.81)	0.78 (0.62-0.93)	0.74 (0.58-0.91)	0.81 (0.67-0.96)
CS4						
Sensitivity	0	0	0	0	0.17 (0-0.46)	0.25 (0-0.67)
Specificity	1	1	0.95 (0.85-1)	0.74 (0.56-0.92)	0.52 (0.31-0.74)	0.61 (0.41-0.81)
PPV	--	--	0	0	0.09 (0-0.26)	0.10 (0-0.29)
NPV	0.93 (0.83-1)	0.89 (0.77-1)	0.69 (0.51-0.87)	0.81 (0.64-0.98)	0.69 (0.46-0.91)	0.82 (0.64-1)
Accuracy	0.93 (0.83-1)	0.89 (0.77-1)	0.67 (0.49-0.84)	0.63 (0.45-0.81)	0.44 (0.26-0.63)	0.56 (0.37-0.74)
n. peak	2	3	8	4	6	4

Data are presented as **mean** (95% confidence interval) with n=27 in each age interval. **PPV**, positive predictive value; **NPV**, negative predictive value. --, not derivable.