

**Table 5.** Crosstabes for palatal measurements [mm]: preterm (LBW) vs. term (NBW) [all values are means; (SD in parenthesis)]; ~: no data given; <sup>1</sup> Type I: pads meet in the region of the molar segments just as, later on, provided the occlusion is normal, mandibular molars lie lingual to the maxillary; anterior margin of the first molar segment slightly anterior to anterior margin of maxillary first molar segment. Type II: distal displacement of the mandible, anterior borders of molar segments lie posterior to anterior borders of corresponding maxillary segments. Type III: mandibular pad is entirely smaller than the maxillary (see Tab. 3, Part 1); <sup>2</sup>Owing to shortcomings in impressions it was not always possible to locate postgingivae with certainty [38]. \* Values calculated from original data by the authors. Due to missing information on degree of childrens' maturity at birth no valid assignment into a group of term infants is possible with the exception of the papers [69], [74], [73] and [38]. Studies included in this table, however represent the best evidence that is possible until now. \* Recalculation of original data given by [52] and [75] by the authors of the review allowed inclusion of these dissertation, while using data calculated for term or PT infants, respectively, exclusively. Data is limited to comparable measurements.

PT / LBW - n/ sex/ - GA at birth/ BW/ - corr. age/ weight (at impression) - %/ hours of intubation (h)	Outer palatal width at lateral sulci	Inner palatal width at lateral sulci	Distance between postgingivae <sup>2</sup>	Maximum width (at the crest of the alveolar ridge perpendicular to the raphe mediana)	Depth with reference to the apices of the interdental papilla between primary first and second molars	Maximum depth (measured from a horizontal reference plane on the crest of the alveolar ridge)	Depths with reference to the lateral alveolar margins
[37]	- 15/ 5 F, 10 M./ - 29 W GA (1.5)/ 1.42 kg (0.36) - term/~ - -/- 22.61 (2.50)	- 15/ 5 F, 10 M./ - 29 W GA (1.5)/ 1.42 kg (0.36) - term/~ - -/- 16.58 (1.67)	- 15/ 5F, 10 M/ - 29 W GA (1.5)/ 1.42 kg (0.36) - term/~ - -/- 24.24 (1.66)				
[45]					- 52/~ - 29.4 W (3.4) / 1151 g (418.3) - 2- 5 Y, ~ - ~/ 26 D (24.5) 12.9 (1.92)		
[46]				- 27 / ~ - 30.7 W (2.8) / ~ - 37.6 W (3.15) / ~ - -/- 26.8 (1.54)		- 27 / ~ - 30.7 W (2.8) / ~ - 37.6 W (3.15) / ~ - -/- 6.84 (0.73)	
*[52]				- 10 / ~ - 30.7 W (2.8) / ~ - 53.8 W (5.9) / ~ - -/- 31.3 (2.71)		- 10 / ~ - 30.7 (2.8) W / ~ - 53.8 (5.9) W / ~ - -/- 8.83 (0.75)	
[49]				*31.5 - 23 / ~ - 29.2 W GA / 1215 g (227)		- 23 / ~ - 29.2 W GA / 1215 g (227)	

				- 29.2 W GA + 2- 7 D / ~ - 65 %/ 165 H (532) 22.6 (1.8) - *11/ 7 F, 4 M -~/2897.8 (377.6) 1-7 D after birth (corrected age not given), spontaneously delivered exclusively, all occipito- anterior vertex presentation/~ -~/~				- 29.2 W GA + 2- 7 D /~  - 65 %/ 165 H (532) 6.1 (0.7)	
	*[53]								
	[50]				*30.1				
								- 19 /~ - < 32 W (median 1880) - 28 W/~ - 19 < 10 D, 4 > 10 D 6.2 (0.36)	- 19 /~ - < 32 W (median 1880) - 28 W/~ - 19 < 10 D, 4 > 10 D 6.2 (0.36)
								- 15 /~ - < 32 W/ (median 1880) - 36 W./~ - 19 < 10 D, 4 > 10 D 7.05 (0.23)	- 15 /~ - < 32 W/ (median 1880) - 36 W./~ - 19 < 10 D, 4 > 10 D 7.05 (0.23)
								- 9 /~ - < 32 W/ (median 1880) - 53 W./~ - ~/ 19 < 10 D, 4 > 10 D 9.0 (0.15)	- 9 /~ - < 32 W/ (median 1880) - 53 W/~ - ~/ 19 < 10 D, 4 > 10 D 9.0 (0.15)
								- 10 /~ - < 32 W/ (median 1880) - 66 W/~ - ~/ 19 < 10 D, 4 > 10 D 8.82 (0.76)	- 10 /~ - < 32 W/ (median 1880) - 66 W/~ - ~/ 19 < 10 ds., 4 > 10 D 8.82 (0.76)

TERM - n/sex/ BW/ - age / weight (at impression)	Outer palatal width at lateral sulci	Inner palatal width at lateral sulci	Distance between postgingivae	Maximum width (at the crest of the alveolar ridge perpendicular to the raphe mediana)	Depth with reference to the apices of the interdental papilla between primary first and second molars	Maximum depth (height) (measured from a horizontal reference plane on the crest of the alveolar ridge)	Depths < maximum depths
[67]	N = see below/ ~ /~ - 3.7 D (2.8) (n=78)/ 3315.0 g		- N = see below/ ~/ ~	- N = see below/ ~/ ~ - 3.7 D (2.8) (n=78)/ 3315.0 g (539.5)	- 3.7 D (2.8) (n=78)/ 3315.0 g (539.5)	- 3.7 D (2.8) (n=78)/ 3315.0 g (539.5) (n=90)	

	(539.5) (n=90) 25.5 (1.5) (n=82)	(n=90) 25.5 (1.2) (n=90) - M: 89 / 3.32 kg - birth / M: 3.32 kg M: 25.5 (1.20)	(n=90) 30.6 (1.5) (n=90) - M: 89 / 3.32 kg - birth / M: 3.32 kg m.:30.6 (1.50)	7.6 (2.0) - M.:89 /3.32 kg ~ - birth /M: 3.32 kg M.:7.6 (2.0)
[68]		- m: 36, F:26/M.: 3.32 kg, F:~ - 8-1 5 W/ M.: 4.28 kg, F: 3.72 kg M.: 27.7 (2.36) F:26.4 (1.50)	- M: 36, F: 26/ M.: 3.32 kg, F:~ - 8-15 W/ M.: 4.28 kg, F: 3.72 kg M: 32.6 (2.68) F: 30.5 (2.04)	- M: 36, F:26/M.: 3.32 kg, F:~ - 8-15 W/ M: 4.28 kg, F: 3.72 kg M.: 9.5 (1.24) F: 9.0 (1.15)
		- M: 36, F: 10/M: 3.32 kg, F:~ - 24-31 W/ M: 6.29 kg, F: 6.20 M: 30.2 (2.12), F: 28.1 (1.70)	- M.:36, F: 10/M.: 3.32 kg, F:~ - 24- 31 W/ M.: 6.29 kg, F: 6.20 M.: 35.4 (2.50) F: 33.6 (2.16)	- M.:36, F: 10/ M.: 3.32 kg, F:~ - 24- 31 W/ M.: 6.29 kg, F: 6.20 M: 10.3 (1.03) F: 9.6 (1.01)
[69]	- N = see below/ ~ - < 8 D / ~ Type I: 25.29 (n=32) <sup>1</sup> Type II: 24.48 (n=25) <sup>1</sup> Type III: 24.00 (n=4) <sup>1</sup>			- N = see below/ ~ - < 8 D / ~ Type I: 7.14 (n=32) <sup>1</sup> Type II: 7.58 (n=25) <sup>1</sup> Type III: 8.75 (n=4) <sup>1</sup>
[70]			- 6./ 5 M, 1 F/ ~ - within one W after birth/ ~ 34.94 -at six MO 38,38	
[71]			-1- 4 D after birth M: 31.45 (0,08) F: 30.43 (0,07)	- 1- 4 D after birth M: 8.00 (0.043) F: 7.81 (0,045)
[45]				- 45/ ~/ ~ - 2- 5 Y 11.4 (2.16).
[72]				- 32/ ~/ ~ - ≥ 5 Y./ ~/ ~ 13.09 (1.40)
*[52]			- *54/~ /3469.8 g. length 50.9 cm, biggest head circumference = 35.2 cm 33.9	

[74]	- 388/~/~ - at birth/~/~ 28.5 (1.45)	- 388/~/~ - at birth/~/~ 20.17 (1.22)		
[74]	-34 Caucasian/~/~ 5.754 lbs (0.823) -6.5 D (3.5)/~/~ 26.37 (1.71)	-34 Caucasian/~/~ 5.754 lbs (0.823) -6.5 D (3.5)/~/~ 18.75 (1.49)		-34 Caucasian/~/~ 5.754 lbs (0.823) -6.5 D (3.5)/~/~ 7.57 (0.73)
	-34 Afro-Carribean/~/~ 5.747 (0.773) -4.9 D (2.8) 27.54 (1.22) (p=0.002)	-34 Afro-Carribean/~/~ 5.747 (0.773) -4.9 D (2.8) 19.56 (1.37) (p=0.024)		-34 Afro-Carribean/~/~ 5.747 (0.773) -4.9 D (2.8) 7.25 (0.78) (NS)
[38]		- 109/~/~ - at the visit nearest 6 MO 6.5 (1.26)/~/~ 22.66 (1.713)	- 91/~/~ - at the visit nearest 6 MO 6.5 (1.26)/~/~ 30.91 (2.21)	- 109/~/~ - at the visit nearest 6 MO 6.5 (1.26)/~/~ 32.95 (2.46)
*[53]			-F: 49/ F/ 3397.4 g. -1-7 D/~/~ mean size 49.9 cm, spontaneous delivery, occipito- anterior vertex presentation *30.2 -*M:52/ M/ 3510.0 g - 1-7 D/~/~ spontaneous delivery, occipito- anterior vertex presentation * 30.3	
[75]			-4-48 H after birth M (n=525): 30.66 (0.07) F (n= 470): 29.68 (0.08)	- 4- 48 H after birth M (523): 8.31 (0.08) F: 8.16 (0,08)
[76]			- at birth [71]: 30.99 - 4 MO: 33.6 - 8 MO: 36.12 - 12 MO: 37.41	- 4 MO: 10.02 - 8 MO: 11.31 - 12 MO 12.25
[77]			- 12/ 6 M., 6 F/~/~ - 0 ≤ 3 MO /~/~ 31.23	- 12/ 6 M., 6 F/~/~ - 0 ≤ 3 MO /~/~ 8.76
			- 9 / 4 M., 5 F/~/~ - 3 ≤ 6 MO /~/~	- 9 / 4 M., 5 F/~/~ - 3 ≤ 6 MO /~/~

	<u>32.31</u>	<u>9.61</u>
	- 5/ 4 M., 1 F	- 5/ 4 M., 1 F
	- 6 ≤ 9 MO/ ~	- 6 ≤ 9 MO/ ~
	33.65	9.77
<b>[78]</b> - 39/ M/ ~		
1-11 D/ > 3 kg		
26.3 (1.74)		
- 45/ F/ ~		
1- 11 D/ > 3 kg		
25.9 (1.37)		
- 84/ both sexes/ ~		
- 1- 11 D/ > 3kg		
26.1		

BW = birthweight, D = day(s), F = female, GA = gestational age, GW = gestational weeks; H = hour(s); LBW = low birthweight, M = male, MO = month(s), NBW = normal birthweight, NS = not significant, PT = preterm, VLBW = very low birthweight, W = weeks, Y = year(s).