

Table 3 Lateral incisor measurements from axial and sagittal sections

	Group	Mean	SD	25th percentile	50th percentile	75th percentile	<i>p</i>
Axial method							
Labiopalatal root width (mm)							
At CEJ	MLIA	5.86	0.71	5.60	5.90	6.10	<0.0001*
	Control	7.24	0.43	6.90	7.20	7.65	
4 mm apical to CEJ	MLIA	4.99	0.64	4.60	4.99	5.50	<0.0001*
	Control	5.97	0.43	5.50	6.05	6.25	
8 mm apical to CEJ	MLIA	4.06	0.69	3.50	4.00	4.60	0.009*
	Control	4.86	0.65	4.30	4.65	5.50	
Mesiodistal root width (mm)							
At CEJ	MLIA	4.91	0.31	4.70	4.90	5.20	<0.0001*
	Control	5.66	0.54	5.30	5.55	6.15	
4 mm apical to CEJ	MLIA	3.86	0.42	3.50	3.80	4.30	0.003*
	Control	4.57	0.69	4.05	4.55	4.95	
8 mm apical to CEJ	MLIA	3.15	0.42	2.80	3.00	3.30	0.092
	Control	3.57	0.68	2.95	3.30	4.20	
Sagittal method							
Labiopalatal root width (mm)							
At CEJ	MLIA	5.94	0.72	5.60	5.90	6.30	<0.0001*
	Control	7.21	0.40	6.90	7.20	7.55	
4 mm apical to CEJ	MLIA	5.01	0.63	4.60	5.00	5.60	<0.0001*
	Control	5.94	0.42	5.55	5.85	6.35	
8 mm apical to CEJ	MLIA	4.12	0.70	3.50	4.30	4.60	0.018
	Control	4.87	0.67	4.45	4.80	5.60	
Mesiodistal root width (mm)							
At CEJ	MLIA	4.85	0.27	4.60	4.90	5.00	<0.0001*
	Control	5.74	0.52	5.35	5.70	6.20	
4 mm apical to CEJ	MLIA	3.83	0.43	3.50	3.60	4.20	0.003*
	Control	4.53	0.67	3.95	4.50	5.00	
8 mm apical to CEJ	MLIA	3.06	0.43	2.70	3.00	3.30	0.05
	Control	3.53	0.67	2.90	3.30	4.10	
Width at incisal edge (IE, mm)	MLIA	4.40	0.82	3.90	4.40	4.90	<0.0001*
	Control	6.16	0.51	5.90	6.00	6.60	
Width at midpoint (mm)	MLIA	5.45	0.95	5.20	5.60	5.90	<0.0001*
	Control	7.00	0.23	6.75	7.05	7.20	

Since three distance points from CEJ were used to examine the outcomes, in order to minimize type 1 errors arising from multiple outcome assessments (at CEJ, 4 mm apical to CEJ, and 8 mm apical to CEJ), adjustments (based on Bonferroni formula) were made to *p* values to be deemed statistically significant. A *p* value of <0.017 was deemed to be statistically significant

**p* value is statistically significant at *p* < 0.017

controls. The authors also reported a smaller reduction of the mesiodistal root width of the maxillary lateral incisor in the palatally displaced canine group.

The crown morphology in the MLIA group varied significantly, where the mesiodistal incisal edge width varied from 2.3 to 5.8 mm with a mean of 4.4 mm. This was significantly lower than the mean mesiodistal width at the incisal edge of 6.2 mm in the control group with a

mean difference of 1.8 mm. The mean mesiodistal width at crown midpoint was 5.5 mm in the MLIA group and was 1.5 mm less than the controls. These findings are in support of other studies where microdontia of the maxillary lateral incisor was seen in 40 % of cases with unilateral MLIA [5] and a peg lateral incisor was seen in 20 % of the subjects in a Turkish sample with unilateral MLIA [6]. This is of clinical relevance, as the reduction in