

Table 1. Distribution of the population according to pulp diagnosis

Diagnosis	Global		Lidocaine		Articaine	
	n	%	n	%	n	%
Asymptomatic Irreversible Pulpitis	17	47.2	10	55.6	7	38.9
Symptomatic Irreversible Pulpitis	8	22.2	3	16.7	5	27.8
Normal pulp	11	30.6	5	27.8	6	33.3
Total	36	100.0	18	100.0	18	100.0

Table 2. Anesthesia of soft tissues

Soft tissue	Global		Lidocaine		Articaine	
	n	%	n	%	n	%
Lip skin						
No	16	44.4	8	44.4	8	44.4
Yes	20	55.6	10	55.6	10	55.6
Vestibular mucosa						
No	5	13.9	3	16.7	2	11.1
Yes	31	86.1	15	83.3	16	88.9
Tongue tip						
No	18	50.0	10	55.6	8	44.4
Yes	18	50.0	8	44.4	10	55.6

Table 3. Frequency of successful pulpal anesthesia determined by vitalometry

Successful pulpal anesthesia	Global		Lidocaine		Articaine		p-value
	n	%	n	%	n	%	
Yes	5	13.9	1	5.6	4	22.2	0.33
No	31	86.1	17	94.4	14	77.8	
Total	36	100.0	18	100.0	18	100.0	

Table 4. Bivariate analysis between anesthetic success and pulp diagnosis

Anesthetic success	Pulp diagnosis								p-value
	AIP		SIP		NP		Total		
	N	%	n	%	n	%	n	%	
Yes	1	5.8	1	12.5	3	27.3	5	13.9	0.276
No	16	94.2	7	87.5	8	72.7	31	86.1	

AIP: Asymptomatic Irreversible Pulpitis, SIP: Symptomatic Irreversible Pulpitis, NP: Normal Pulp

Table 5. Average vitalometry readings

Vitalometry	Global		Lidocaine		Articaine		p-value
	Mean	SD	Mean	SD	Mean	SD	
5 min	48.0	20.0	47.9	18.0	47.4	22.3	0.941
10 min	63.0	16.6	63.9	14.4	62.6	19.0	0.806

Chi squared and Student's t-test

Table 6. Pain to the opening of the pulp chamber

Pain to the opening of the pulp chamber	Global		Lidocaine		Articaine		p-value
	n	%	n	%	n	%	
No	14	38.9	7	38.9	7	38.9	0.633
Yes	22	61.1	11	61.1	11	61.1	
Pain scale during pulp chamber opening							
VAS	n	%	n	%	n	%	p-value
Mild (1-3)	0	0.0	0	0.0	0	0.0	0.728
Moderate (4-6)	3	13.6	0	0.0	3	27.3	
Severe (7-10)	19	86.4	11	100.0	8	72.7	
		Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)	p-value
VAS		4.9 (4.2)	5.2 (4.4)	4.7 (4.1)	4.7 (4.1)	4.7 (4.1)	0.755

Table 7. Need for complementary anesthesia and type of complementary anesthesia used

Complementary anesthesia	Global		Lidocaine		Articaine	
	n	%	n	%	n	%
No	14	38.9	7	38.9	7	38.9
Yes	22	61.1	11	61.1	11	61.1
Type of complementary anesthesia	n	%	n	%	n	%
Intrapulpal	1	2.8	0	0.0	1	5.6
Intraligamental	10	27.8	5	27.8	5	27.8
Both	11	30.6	6	33.3	5	27.8