

Analysis of Variance between groups for comparison of sealer penetration depth in root sections

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Apical	Between Groups	691226.628	2	345613.314	69616.333	.000
	Within Groups	208.511	42	4.965		
	Total	691435.139	44			
Middle	Between Groups	528386.927	2	264193.464	1999.385	.000
	Within Groups	5549.768	42	132.137		
	Total	533936.695	44			
Coronal	Between Groups	581210.076	2	290605.038	30150.002	.000
	Within Groups	404.823	42	9.639		
	Total	581614.899	44			

There is a statistically significant difference in depth of penetration between the Endoactivator, Lentulo spiral and Vibrospiral in the apical third, middle third and coronal third.

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Depth of Penetration Apical	Endoactivator	Lentulospiral	-214.823333*	.813596	.000	-216.79996	-212.84671
		Vibrospiral	-293.182667*	.813596	.000	-295.15929	-291.20604
	Lentulospiral	Endoactivator	214.823333*	.813596	.000	212.84671	216.79996
		Vibrospiral	-78.359333*	.813596	.000	-80.33596	-76.38271
	Vibrospiral	Endoactivator	293.182667*	.813596	.000	291.20604	295.15929
		Lentulospiral	78.359333*	.813596	.000	76.38271	80.33596

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Satisfaction	1	2	0.00	0.00	.000	0.00	0.00
	2	1	-0.00	0.00	.000	-0.00	-0.00
Trust	1	2	0.00	0.00	.000	0.00	0.00
	2	1	-0.00	0.00	.000	-0.00	-0.00
Perceived Ease of Use	1	2	0.00	0.00	.000	0.00	0.00
	2	1	-0.00	0.00	.000	-0.00	-0.00
Perceived Usefulness	1	2	0.00	0.00	.000	0.00	0.00
	2	1	-0.00	0.00	.000	-0.00	-0.00

Depth of Penetration Middle	Endoactivator	Lentulospiral	-95.384000*	4.197417	.000	-105.58160	-85.18640
		Vibrospiral	-262.203333*	4.197417	.000	-272.40093	-252.00573
	Lentulospiral	Endoactivator	95.384000*	4.197417	.000	85.18640	105.58160
		Vibrospiral	-166.819333*	4.197417	.000	-177.01693	-156.62173
	Vibrospiral	Endoactivator	262.203333*	4.197417	.000	252.00573	272.40093
		Lentulospiral	166.819333*	4.197417	.000	156.62173	177.01693

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound

Depth of Penetration Coronal	Endoactivator	Lentulospiral	-48.051333*	1.133645	.000	-50.80552	-45.29715
		Vibrospiral	-261.490000*	1.133645	.000	-264.24418	-258.73582
	Lentulospiral	Endoactivator	48.051333*	1.133645	.000	45.29715	50.80552
		Vibrospiral	-213.438667*	1.133645	.000	-216.19285	-210.68448
	Vibrospiral	Endoactivator	261.490000*	1.133645	.000	258.73582	264.24418
		Lentulospiral	213.438667*	1.133645	.000	210.68448	216.19285

*. The mean difference is significant at the 0.05 level.