

Analysis of Variance between groups for comparison of sealer coverage in root sections

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Sealer_coverage _Apical	Between Groups	18768.129	2	9384.065	1577.697	.000
	Within Groups	249.814	42	5.948		
	Total	19017.943	44			
Sealer_coverage _Middle	Between Groups	9608.300	2	4804.150	1472.711	.000
	Within Groups	137.009	42	3.262		
	Total	9745.309	44			
Sealer_coverage _Coronal	Between Groups	11095.140	2	5547.570	2409.649	.000
	Within Groups	96.694	42	2.302		
	Total	11191.834	44			

There is a statistically significant difference in the percentage of sealer coverage between the Endoactivator, Lentulo spiral, and Vibrospiral in the apical, middle, and coronal thirds.

Multiple Comparisons							
Tukey HSD							
Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Sealer_coverage Apical	Endoactivator	Lentulospiral	-23.73133*	.89054	.000	-25.8949	-21.5678
		Vibrospiral	-50.00267*	.89054	.000	-52.1662	-47.8391
	Lentulospiral	Endoactivator	23.73133*	.89054	.000	21.5678	25.8949
		Vibrospiral	-26.27133*	.89054	.000	-28.4349	-24.1078
	Vibrospiral	Endoactivator	50.00267*	.89054	.000	47.8391	52.1662
		Lentulospiral	26.27133*	.89054	.000	24.1078	28.4349
Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Sealer_coverage Middle	Endoactivator	Lentulospiral	-11.20333*	.65951	.000	-12.8056	-9.6011
		Vibrospiral	-35.04133*	.65951	.000	-36.6436	-33.4391
	Lentulospiral	Endoactivator	11.20333*	.65951	.000	9.6011	12.8056
		Vibrospiral	-23.83800*	.65951	.000	-25.4403	-22.2357
	Vibrospiral	Endoactivator	35.04133*	.65951	.000	33.4391	36.6436
		Lentulospiral	23.83800*	.65951	.000	22.2357	25.4403
Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Sealer_coverage Coronal	Endoactivator	Lentulospiral	-33.00600*	.55404	.000	-34.3520	-31.6600
		Vibrospiral	-33.60467*	.55404	.000	-34.9507	-32.2586
	Lentulospiral	Endoactivator	33.00600*	.55404	.000	31.6600	34.3520
		Vibrospiral	-.59867	.55404	.531	-1.9447	.7474
	Vibrospiral	Endoactivator	33.60467*	.55404	.000	32.2586	34.9507
		Lentulospiral	.59867	.55404	.531	-.7474	1.9447
*. The mean difference is significant at the 0.05 level.							