

Appendices

APPENDIX I

I.1 List of materials used in this study

Material	Manufacturer
K-files	NTI, Germany
Gates glidden drill	Sendoline, Sweden
Barbed broach	Shofu, Japan
Gutta percha	Sure-Endo, Korea
Temporary filling	Cavit™ W, 3M ESPE, USA
Composite core	Nano composite, Coltene/Whaledent, USA
Resin cement	RelyX™ U100 Self, 3M/ESPE, USA
Zinc phosphate cement	Elite Zinc Phosphate Cement, GC, USA
Glass ionomer cement	Fuji I –Glass Ionomer Luting Cement, GC,USA
Fiber post	Fiber Lux ParaPost Coltene/Whaledent, USA
Titanium post	ParaPost XH, Coltene/Whaledent, USA
Self cure acrylic resin	Mirapox, Miracon, Malaysia
etchant	Swiss TEC, Coltene/Whaledent, USA
Sodium hypochlorite	Clorox, Malaysia Sdn. Bhd
EDTA	EDTA System, UK
Methylene blue dye	Sigma-Aldrich, Germany

APPENDIX II

II.1 List of equipments used in this study

Equipment/Instrument	Manufacturer
Electronic digital calliper	Mitutoyo, Japan.
Handpiece	Kavo, Germany.
Diamond disc	Hidi, England.
Ultrasonic scaler	Dentsply® Cavitron® BOBCAT®, USA.
Light curing unit	Valo, China.
Thermocycling machine	ATDM T6 P D, Malaysia.
Grinding machine	Buehler Grinding/Polishing machine, Germany.
Precision cutting machine	Metkon® low speed Precision cutter, Turkey
Stereomicroscope	Olympus, Japan.

APPENDIX III

III.1 Reliability test

Specimen #	First measurement	Second measurement
1	5.04	5.00
2	0.79	0.79
3	0.45	0.45
4	0.45	0.45
5	0.00	0.00
6	0.00	0.00
7	10.10	7.90
8	6.50	5.70
9	3.30	3.60
10	0.00	0.00
11	0.00	0.00
12	0.00	0.00
13	2.60	3,20
14	1.40	1,70
15	0.00	0.00
16	0.00	0.00
17	0.00	0.00
18	0.00	0.00
19	10.70	9.60
20	9.70	9.70
21	7.14	6.12
22	5.60	6.30
23	1.70	0.80
24	0.00	0.00
25	1.20	1.00
26	0.88	0.58
27	0.34	0.34
28	0.00	0.00
29	0.00	0.00
30	0.00	0.00
31	2.90	2.30
32	2.40	2.40
33	1.70	1.70
34	0.88	0.88
35	0.00	0.00
36	0.00	0.00
37	11.70	11.10
38	5.20	4.40
39	5.08	5.08
40	0.00	0.00
41	0.00	0.00

APPENDIX IV

IV.1 Intra-class Correlation Coefficient.

	Intra-class Correlation	95% Confidence Interval		F Test with True Value			
		Lower Bound	Upper Bound	Value	Df1	Df2	p-Value
Single Measures	.988	.979	.994	171.808	41.0	41	.000
Average Measures	.994	.989	.997	171.808	41.0	41	.000