

APPENDIX I

Table 5.1: List of equipments and instruments used in this study.

No	Equipment / instrument	Model No.	Manufacturer
1	Water bath for heat curing	4676	Manfredi, Torino, Italy.
2	Grinder and Polisher- Metaserv® 2000	45-2829	Buehler Ltd, Illinois, USA.
3	Incubator- Memmert ULM 400-800	ULM 400-800	GmbH Co + KG, Schwabach, Germany.
4	Universal Testing Machine	4302	Instron Corporation, High Wycombe, UK.
5	Stereo microscope	Kyowa SD-2PL	Kyowa Optical Co., Tokyo, Japan.
6	Digimatic micrometer	MDC Series 293	Mitutoyo Mfg. Co. Ltd, Tokyo, Japan.
7	Pressure pot	T133S-00	Leone S.p.A, Sesto Fiorentino, Florence, Italy.
8	Eclipse Conditioning Oven	904968	Dentsply, York, USA.
9	Eclipse Processing Unit	95-0348-01	Dentsply, York, USA.
10	Plastic mounting cups, Buehler® Sampl-Kup.	No 20-8180	Buehler Ltd, Illinois, USA.
11	Electronic balance scale	TL-300	Tanaka scale works Co., Tokyo. Japan.
12	Scanning Electron Microscope	Quanta 200 FESEM	FEI, Hillsboro, USA.

APPENDIX II

Table 5.2: Shear bond strength values (MPa) of Meliodent denture base polymer to various relined materials.

Specimen	Meliodent R.R	Kooliner	Secure
1	14.39	3.95	9.42
2	14.32	4.38	8.83
3	14.88	4.18	9.60
4	15.21	4.10	9.52
5	14.81	5.34	8.78
6	15.03	4.93	9.53
7	13.59	4.28	11.33
8	14.33	4.29	11.22
9	14.02	4.22	9.56
10	14.27	5.14	11.24
Mean	14.48	4.48	9.90
Std. Deviation	0.495	0.477	0.983

Table 5.3: Shear bond strength values (MPa) of Eclipse denture base polymer to various relined materials.

Specimen	Meliodent R.R	Kooliner	Secure	Eclipse
1	5.36	3.16	7.81	10.71
2	3.68	3.14	8.98	10.96
3	5.80	2.24	7.43	12.59
4	4.90	2.79	7.49	11.51
5	3.89	1.81	7.42	10.86
6	3.95	2.31	8.23	11.47
7	4.98	1.89	8.09	11.81
8	5.04	1.80	9.38	11.10
9	4.37	2.51	8.66	11.33
10	4.23	2.61	7.55	11.78
Mean	4.62	2.42	8.10	11.41
Std. Deviation	0.699	0.508	0.700	0.557

APPENDIX III

Table 5.4: Dunnett T3 Post Hoc multiple comparisons:

(I) Treatment	(J) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	10.00400(*)	.21743	.000	9.2506	10.7574
	3	4.58200(*)	.34813	.000	3.3183	5.8457
	4	9.86500(*)	.27106	.000	8.9121	10.8179
	5	12.05900(*)	.22452	.000	11.2811	12.8369
	6	6.38100(*)	.27124	.000	5.4274	7.3346
	7	3.07300(*)	.23590	.000	2.2542	3.8918
2	1	-10.00400(*)	.21743	.000	-10.7574	-9.2506
	3	-5.42200(*)	.34554	.000	-6.6811	-4.1629
	4	-.13900	.26773	1.000	-1.0831	.8051
	5	2.05500(*)	.22049	.000	1.2907	2.8193
	6	-3.62300(*)	.26791	.000	-4.5678	-2.6782
	7	-6.93100(*)	.23207	.000	-7.7376	-6.1244
3	1	-4.58200(*)	.34813	.000	-5.8457	-3.3183
	2	5.42200(*)	.34554	.000	4.1629	6.6811
	4	5.28300(*)	.38157	.000	3.9421	6.6239
	5	7.47700(*)	.35005	.000	6.2097	8.7443
	6	1.79900(*)	.38170	.004	.4578	3.1402
	7	-1.50900(*)	.35746	.015	-2.7912	-.2268
4	1	-9.86500(*)	.27106	.000	-10.8179	-8.9121
	2	.13900	.26773	1.000	-.8051	1.0831
	3	-5.28300(*)	.38157	.000	-6.6239	-3.9421
	5	2.19400(*)	.27352	.000	1.2344	3.1536
	6	-3.48400(*)	.31301	.000	-4.5684	-2.3996
	7	-6.79200(*)	.28294	.000	-7.7787	-5.8053
5	1	-12.05900(*)	.22452	.000	-12.8369	-11.2811
	2	-2.05500(*)	.22049	.000	-2.8193	-1.2907
	3	-7.47700(*)	.35005	.000	-8.7443	-6.2097
	4	-2.19400(*)	.27352	.000	-3.1536	-1.2344
	6	-5.67800(*)	.27370	.000	-6.6383	-4.7177
	7	-8.98600(*)	.23872	.000	-9.8140	-8.1580
6	1	-6.38100(*)	.27124	.000	-7.3346	-5.4274
	2	3.62300(*)	.26791	.000	2.6782	4.5678
	3	-1.79900(*)	.38170	.004	-3.1402	-.4578
	4	3.48400(*)	.31301	.000	2.3996	4.5684
	5	5.67800(*)	.27370	.000	4.7177	6.6383
	7	-3.30800(*)	.28311	.000	-4.2954	-2.3206
7	1	-3.07300(*)	.23590	.000	-3.8918	-2.2542
	2	6.93100(*)	.23207	.000	6.1244	7.7376
	3	1.50900(*)	.35746	.015	.2268	2.7912
	4	6.79200(*)	.28294	.000	5.8053	7.7787
	5	8.98600(*)	.23872	.000	8.1580	9.8140
	6	3.30800(*)	.28311	.000	2.3206	4.2954

* The mean difference is significant at the 0.05 level.