

**Table 8 The descriptive analysis of the Ti group - Re group -control group.**

	<b>type of plate</b>	<b>Sum</b>	<b>N</b>	<b>Mean</b>	<b>Std. Deviation</b>	<b>% of Total Sum</b>	<b>% of Total N</b>	<b>Std. Error of Mean</b>
<b>Maximum load(N)</b>	Titanium plate	1711.00	6	285.1667	4.07022	45.8%	42.9%	1.66166
	Resorbable plate	1434.00	6	239.0000	5.05964	38.4%	42.9%	2.06559
	control group1	342.00	1	342.0000	.	9.2%	7.1%	.
	control group2	247.00	1	247.0000	.	6.6%	7.1%	.
	Total	3734.00	14	266.7143	31.52393	100.0%	100.0%	8.42513
<b>Deflection maximum load(mm)</b>	Titanium plate	99.61	6	16.6017	.74465	45.3%	42.9%	.30400
	Resorbable plate	83.07	6	13.8450	2.44520	37.7%	42.9%	.99825
	control group1	19.39	1	19.3900	.	8.8%	7.1%	.
	control group2	18.06	1	18.0600	.	8.2%	7.1%	.
	Total	220.13	14	15.7236	2.43957	100.0%	100.0%	.65200
<b>Stiffness(N/mm)</b>	Titanium plate	82.88	6	13.8133	.69678	43.5%	42.9%	.28446
	Resorbable plate	81.87	6	13.6450	.71214	42.9%	42.9%	.29073
	control group1	14.53	1	14.5300	.	7.6%	7.1%	.
	control group2	11.46	1	11.4600	.	6.0%	7.1%	.
	Total	190.74	14	13.6243	.90659	100.0%	100.0%	.24230
<b>Load at rupture(N)</b>	Titanium plate	730.70	6	121.7833	69.40588	41.0%	42.9%	28.33483
	Resorbable plate	576.90	6	96.1500	21.32967	32.3%	42.9%	8.70780
	control group1	335.50	1	335.5000	.	18.8%	7.1%	.
	control group2	140.55	1	140.5500	.	7.9%	7.1%	.
	Total	1783.65	14	127.4036	76.40371	100.0%	100.0%	20.41975
<b>Deflection at rupture(mm)</b>	Titanium plate	142.16	6	23.6933	2.00207	49.6%	42.9%	.81734
	Resorbable plate	98.41	6	16.4017	2.46568	34.3%	42.9%	1.00661
	control group1	25.30	1	25.3000	.	8.8%	7.1%	.
	control group2	21.03	1	21.0300	.	7.3%	7.1%	.
	Total	286.90	14	20.4929	4.25822	100.0%	100.0%	1.13806

**Table 9 The Mann-Whitney U- test data of the titanium group and the resorbable group.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	Load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	5.000	14.000	14.000	.000
Wilcoxon W	21.000	26.000	35.000	35.000	21.000
Z	-2.882	-2.082	-.641	-.641	-2.882
Asymp. Sig. (2-tailed)	.085	.327	.537	.057	.098
Exact Sig. [2*(1-tailed Sig.)]	.002	.041	.589	.589	.002

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 10 The Mann-Whitney U- test data of the Ti. gr.1 sub1 - Ti .gr.2 sub1**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2-tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: group of each titanium plate

**Table 11 The Mann-Whitney U- test data of the Re gr.1 sub1 - Re gr.2 sub1.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2-tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: group of each resorbable plate.

**Table 12 The Mann-Whitney U- test data of the Ti group1-Re group 1.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	2.000	4.000	3.000	.000
Wilcoxon W	6.000	8.000	10.000	9.000	6.000
Z	-1.964	-1.091	-.218	-.655	-1.964
Asymp. Sig. (2-tailed)	.050	.275	.827	.513	.050
Exact Sig. [2*(1-tailed Sig.)]	.100	.400	1.000	.700	.100

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3

**Table 13 The Mann-Whitney U- test data of the Ti group1-Ti group 2.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	3.000	4.000	.000	3.000	3.000
Wilcoxon W	9.000	10.000	6.000	9.000	9.000
Z	-.655	-.218	-1.964	-.655	-.655
Asymp. Sig. (2- tailed)	.513	.827	.050	.513	.513
Exact Sig. [2*(1-tailed Sig.)]	.700	1.000	.100	.700	.700

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3

**Table 14 The Mann-Whitney U- test data of Ti group1-Ti control group .**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	1.000
Wilcoxon W	21.000	21.000	21.000	21.000	22.000
Z	-1.500	-1.500	-1.500	-1.500	-1.000
Asymp. Sig. (2- tailed)	.134	.134	.134	.134	.317
Exact Sig. [2*(1-tailed Sig.)]	.286	.286	.286	.286	.571

a Not corrected for ties.

b Grouping Variable: type of plate

**Table15 The Mann-Whitney U- test data of Re group1- Re group 2**

	<b>maximum load(N)</b>	<b>deflection maximum load(mm)</b>	<b>stiffness(N/mm)</b>	<b>load at rupture(N)</b>	<b>deflection at rupture(mm)</b>
Mann-Whitney U	1.000	3.000	2.000	1.000	3.000
Wilcoxon W	7.000	9.000	8.000	7.000	9.000
Z	-1.528	-.655	-1.091	-1.528	-.655
Asymp. Sig. (2-tailed)	.127	.513	.275	.127	.513
Exact Sig. [2*(1-tailed Sig.)]	.200	.700	.400	.200	.700

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3

**Table 16 The Mann-Whitney U- test data of the Re group1 - Re group 3**

	<b>maximum load(N)</b>	<b>deflection maximum load(mm)</b>	<b>stiffness(N/mm)</b>	<b>load at rupture(N)</b>	<b>deflection at rupture(mm)</b>
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	1.000	6.000	6.000
Z	-1.342	-1.342	-1.342	-1.342	-1.342
Asymp. Sig. (2-tailed)	.180	.180	.180	.180	.180
Exact Sig. [2*(1-tailed Sig.)]	.500	.500	.500	.500	.500

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3

**Table 17 The Mann-Whitney U- test data of the Ti group2 - Re group 2**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	1.000	3.000	3.000	.000
Wilcoxon W	6.000	7.000	9.000	9.000	6.000
Z	-1.964	-1.528	-.655	-.655	-1.964
Asymp. Sig. (2-tailed)	.050	.127	.513	.513	.050
Exact Sig. [2*(1-tailed Sig.)]	.100	.200	.700	.700	.100

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3

**Table 18 The Mann-Whittney U test data of the Ti group –Re group -Control group.**

	stiffness(N/mm)	deflection maximum load(mm)	maximum load(N)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	11.000	.000	.000	.000
Wilcoxon W	28.000	39.000	28.000	28.000	28.000
Z	-3.130	-1.725	-3.130	-3.130	-3.130
Asymp. Sig. (2-tailed)	.653	.085	.180	.245	.180
Exact Sig. [2*(1-tailed Sig.)]	.001	.097	.001	.001	.001

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 19 The Mann-Whitney U test data of the Ti group –Re group (no control group)**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	5.000	.000	14.000	.000
Wilcoxon W	21.000	26.000	21.000	35.000	21.000
Z	-2.882	-2.082	-2.882	-.641	-2.882
Asymp. Sig. (2-tailed)	.079	.065	.542	.522	.086
Exact Sig. [2*(1-tailed Sig.)]	.002	.041	.002	.589	.002

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 20 The Mann-Whitney U test data of the Ti group 1- Ti control group**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000	6.000
Z	-1.342	-1.342	-1.342	-1.342	-1.342
Asymp. Sig. (2-tailed)	.180	.180	.180	.180	.180
Exact Sig. [2*(1-tailed Sig.)]	.500	.500	.500	.500	.500

a Not corrected for ties.

b Grouping Variable: ti, re group1,2,3

**Table 21 The Mann-Whittney U test data of the Ti gr. 1 subj.1-Ti control group.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2-tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 22 The Mann-Whittney U test data of the Ti gr. 2- Ti control group.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	6.000	6.000	6.000	6.000	6.000
Z	-1.342	-1.342	-1.342	-1.342	-1.342
Asymp. Sig. (2-tailed)	.180	.180	.180	.180	.180
Exact Sig. [2*(1-tailed Sig.)]	.500	.500	.500	.500	.500

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3



**Table 23 The Mann-Whitney U test data of the Ti gr.1sub2- Re gr1 sub2.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2-tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 24 The Mann-Whitney U test data of the Ti gr.1 sub1- Re gr1 sub1.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2-tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 25 The Mann-Whittney U test data of the Ti gr.1 sub3- Re gr1 sub3.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2-tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 26 The Mann-Whittney U test data of the Ti gr.2 sub1- Re gr2 sub1.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2- tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 27 The Mann-Whittney U test data of the Ti gr.2 sub2- Re gr2 sub2.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2- tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 28 The Mann-Whittney U test data of the Ti gr.2 sub3- Re gr2 sub3.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	.000	.000	.000	.000
Wilcoxon W	1.000	1.000	1.000	1.000	1.000
Z	-1.000	-1.000	-1.000	-1.000	-1.000
Asymp. Sig. (2-tailed)	.317	.317	.317	.317	.317
Exact Sig. [2*(1-tailed Sig.)]	1.000	1.000	1.000	1.000	1.000

a Not corrected for ties.

b Grouping Variable: type of plate

**Table 29 The Mann-Whittney U test data of the Re gr. 1-Re control group.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	1.000	.000	.000	1.000	1.000
Wilcoxon W	2.000	6.000	1.000	2.000	2.000
Z	-.447	-1.342	-1.342	-.447	-.447
Asymp. Sig. (2-tailed)	.655	.180	.180	.655	.655
Exact Sig. [2*(1-tailed Sig.)]	1.000	.500	.500	1.000	1.000

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3

**Table 30 The Mann-Whittney U test data of the Re gr. 2-Re control group.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	1.000	.000	.000	1.000	1.000
Wilcoxon W	2.000	6.000	1.000	2.000	2.000
Z	-.447	-1.342	-1.342	-.447	-.447
Asymp. Sig. (2- tailed)	.655	.180	.180	.655	.655
Exact Sig. [2*(1- tailed Sig.)]	1.000	.500	.500	1.000	1.000

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3

**Table 31 The Mann-Whitney U test data of the Ti group .2-Re group 2.**

	maximum load(N)	deflection maximum load(mm)	stiffness(N/mm)	load at rupture(N)	deflection at rupture(mm)
Mann-Whitney U	.000	3.000	.000	.000	.000
Wilcoxon W	6.000	9.000	6.000	6.000	6.000
Z	-1.964	-.655	-1.964	-1.964	-1.964
Asymp. Sig. (2-tailed)	.050	.513	.050	.050	.050
Exact Sig. [2*(1-tailed Sig.)]	.100	.700	.100	.100	.100

a Not corrected for ties.

b Grouping Variable: ti,re group1,2,3.

**Table 32 The Group Statistics of the Re group1 - Re control group**

	type of plate	N	Mean	Std. Deviation	Std. Error Mean
maximum load(N)	Resorbable plate	6	239.000	5.0596	5.23238
	control group2	1	247.000	.	.
deflection maximum load(mm)	Resorbable plate	6	13.845	2.4452	.49197
	control group2	1	18.060	.	.
stiffness(N/mm)	Resorbable plate	6	6.8267	.54507	.22253
	control group2	1	5.8000	.	.
load at rupture(N)	Resorbable plate	6	96.150	21.3296	2.30848
	control group2	1	140.550	.	.
deflection at rupture(mm)	Resorbable plate	6	16.401	2.4656	.67802
	control group2	1	21.030	.	.

**Table 33 The Group statistics of the Ti group - Ti control group**

	type of plate	N	Mean	Std. Deviation	Std. Error Mean
maximum load(N)	Titanium plate	6	285.1667	4.07022	1.66166
	control group1	1	342.0000	.	.
deflection maximum load(mm)	Titanium plate	6	20.6850	.99671	.40690
	control group1	1	23.5400	.	.
stiffness(N/mm)	Titanium plate	6	13.8133	.69678	.28446
	control group1	1	14.5300	.	.
load at rupture(N)	Titanium plate	6	63.1003	2.45426	1.00195
	control group1	1	69.3500	.	.
deflection at rupture(mm)	Titanium plate	6	27.7017	1.12099	.45764
	control group1	1	29.4500	.	.