#1

Data source: ED height
Normality Test (Shapiro-Wilk) Passed (P = 0,160)

Equal Variance Test: Passed (P = 0,363)

Group Name	N	Missing	Mean	Std Dev	SEM
D1	10	0	24,500	3,668	1,160
D21	10	0	22,201	3,826	1,210
D22	10	0	24,699	5,030	1,591

Source of Variation	DF	SS	MS	F	P
Between Groups	2	38,550	19,275	1,083	0,353
Residual	27	480,506	17,797		
Total	29	519,056			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0,353).

Power of performed test with alpha = 0,050: 0,060

The power of the performed test (0,060) is below the desired power of 0,800.
Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

#2

Data source: ED width
Normality Test (Shapiro-Wilk) Passed (P = 0,894)

Equal Variance Test: Passed (P = 0,415)

Group Name	N	Missing	Mean	Std Dev	SEM
D1	10	0	34,400	5,566	1,760
D21	10	0	36,501	4,334	1,370
D22	10	0	40,000	6,169	1,951

Source of Variation	DF	SS	MS	F	P
Between Groups	2	160,057	80,029	2,734	0,083
Residual	27	790,317	29,271		
Total	29	950,374			

The differences in the mean values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0,083).

Power of performed test with alpha = 0,050: 0,321

The power of the performed test (0,321) is below the desired power of 0,800.
Less than desired power indicates you are less likely to detect a difference when one actually exists. Negative results should be interpreted cautiously.

#3

Data source: PM thickness

Normality Test (Shapiro-Wilk) Passed (P = 0,575)

Equal Variance Test: Passed (P = 0,329)

Group Name	N	Missing	Mean	Std Dev	SEM
D1	10	0	92,700	5,346	1,690
D21	10	0	115,999	11,415	3,610
D22	10	0	65,800	8,129	2,571

Source of Variation	DF	SS	MS	F	P
Between Groups	2	12621,310	6310,655	84,159	<0,001
Residual	27	2024,597	74,985		
Total	29	14645,907			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0,001).

Power of performed test with alpha = 0,050: 1,000

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0,050
D21 vs. D22	50,199	3	18,332	<0,001	Yes
D21 vs. D1	23,299	3	8,508	<0,001	Yes
D1 vs. D22	26,900	3	9,823	<0,001	Yes

#4

Data source: Ep height
Normality Test (Shapiro-Wilk) Passed (P = 0,677)

Equal Variance Test: Passed (P = 0,117)

Group Name	N	Missing	Mean	Std Dev	SEM
D1	10	0	17,500	2,719	0,860
D21	10	0	16,800	2,023	0,640
D22	10	0	10,102	1,297	0,410

Source of Variation	DF	SS	MS	F	P
Between Groups	2	333,612	166,806	38,012	<0,001
Residual	27	118,482	4,388		
Total	29	452,094			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0,001).

Power of performed test with alpha = 0,050: 1,000

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0,050
D1 vs. D22	7,398	3	11,168	<0,001	Yes
D1 vs. D21	0,700	3	1,057	0,738	No
D21 vs. D22	6,698	3	10,111	<0,001	Yes

#5

Data source: Ct thickness
Normality Test (Shapiro-Wilk) Failed (P < 0,050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

Group	N	Missing	Median	25%	75%
D1	10	0	1,575	1,450	1,720
D21	10	0	1,715	1,578	1,790
D22	10	0	1,835	1,428	2,285

H = 2,482 with 2 degrees of freedom. (P = 0,289)

The differences in the median values among the treatment groups are not great enough to exclude the possibility that the difference is due to random sampling variability; there is not a statistically significant difference (P = 0,289)

#7

Data source: Xy width

Normality Test (Shapiro-Wilk) Passed (P = 0,679)

Equal Variance Test: Passed (P = 0,883)

Group Name	N	Missing	Mean	Std Dev	SEM
D1	10	0	31,000	2,877	0,910
D21	10	0	25,901	3,100	0,980
D22	10	0	33,200	3,510	1,110

Source of Variation	DF	SS	MS	F	P
Between Groups	2	280,384	140,192	13,923	<0,001
Residual	27	271,862	10,069		
Total	29	552,246			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0,001).

Power of performed test with alpha = 0,050: 0,996

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0,050
D22 vs. D21	7,299	3	7,274	<0,001	Yes
D22 vs. D1	2,200	3	2,192	0,284	No
D1 vs. D21	5,099	3	5,082	0,004	Yes

#8

Data source: Ph width

Normality Test (Shapiro-Wilk) Failed (P < 0,050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

Group	N	Missing	Median	25%	75%
D1	10	0	26,940	25,445	28,055
D21	10	0	34,025	31,840	35,192
D22	10	0	36,380	34,125	37,890

H = 17,453 with 2 degrees of freedom. (P = <0,001)
The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0,001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparison	Diff of Ranks	q	P<0,05
D22 vs D1	160,000	5,747	Yes
D22 vs D21	47,000	1,688	No
D21 vs D1	113,000	4,059	Yes

Note: The multiple comparisons on ranks do not include an adjustment for ties.

#9

Data source: Xy/Ph

Normality Test (Shapiro-Wilk) Passed (P = 0,861)

Equal Variance Test: Failed (P < 0,050)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

Group	N	Missing	Median	25%	75%
D1	10	0	1,190	1,092	1,325
D21	10	0	0,780	0,755	0,863
D22	10	0	0,910	0,790	1,033

H = 19,164 with 2 degrees of freedom. (P = <0,001)

The differences in the median values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0,001)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparison	Diff of Ranks	q	P<0,05
D1 vs D21	169,000	6,071	Yes
D1 vs D22	113,000	4,059	Yes
D22 vs D21	56,000	2,012	No

Note: The multiple comparisons on ranks do not include an adjustment for ties.

#10

Data source: RD diameter

Normality Test (Shapiro-Wilk) Passed (P = 0,999)

Equal Variance Test: Passed (P = 0,119)

Group Name	N	Missing	Mean	Std Dev	SEM
D1	10	0	32,399	1,865	0,590
D21	10	0	22,701	1,804	0,570
D22	10	0	41,500	3,353	1,060

Source of Variation	DF	SS	MS	F	P
Between Groups	2	1767,606	883,803	147,516	<0,001
Residual	27	161,764	5,991		
Total	29	1929,370			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0,001).

Power of performed test with alpha = 0,050: 1,000

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0,050
D22 vs. D21	18,799	3	24,287	<0,001	Yes
D22 vs. D1	9,101	3	11,758	<0,001	Yes
D1 vs. D21	9,698	3	12,529	<0,001	Yes

#11

Data source: SRD height

Normality Test (Shapiro-Wilk) Passed (P = 0,988)

Equal Variance Test: Passed (P = 0,875)

Group Name	N	Missing	Mean	Std Dev	SEM
D1	10	0	11,600	1,484	0,469
D21	10	0	16,301	1,423	0,450
D22	10	0	17,301	1,675	0,530

Source of Variation	DF	SS	MS	F	P
Between Groups	2	185,336	92,668	39,526	<0,001
Residual	27	63,302	2,345		
Total	29	248,638			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0,001).

Power of performed test with alpha = 0,050: 1,000

All Pairwise Multiple Comparison Procedures (Tukey Test):

Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0,050
D22 vs. D1	5,701	3	11,774	<0,001	Yes
D22 vs. D21	1,000	3	2,065	0,325	No
D21 vs. D1	4,701	3	9,709	<0,001	Yes