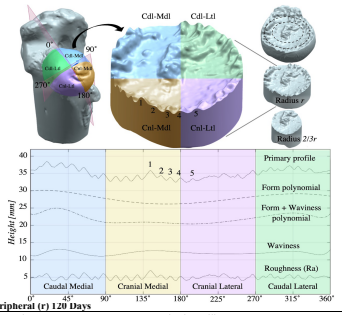
Periodicity [Degrees]

Age [Days]	Central	Peripheral	Difference
120 1R	51.43	18.95	32.48
120 2R	36.00	17.14	18.86
120 3R	40.00	27.69	12.31
120 4R	36.00	30.00	6.00
1201L	25.71	20.00	5.71
120 2L	40.00	21.18	18.82
120 3L	30.00	20.00	10.00
120 4L	22.50	22.50	0.00
Mean	35.21	22.18	13.02
SD	9.17	4.44	10.20

Age [Days]	Central	Periphera	Difference
900 1R	51.43	24.00	27.43
900 2R	17.14	15.00	2.14
900 3R	36.00	17.14	18.86
9001L	24.00	15.00	9.00
900 2L	27.69	30.00	-2.31
900 3L	36.00	21.18	14.82
Mean	32.04	20.39	11.66
SD	11.94	5.91	10.99



Periodicity Central Region (2/3r) vs Peripheral (r) 120 Days

Descriptive Statistics

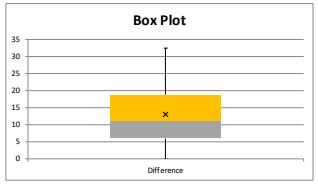
	Difference
Mean	13.02
Standard Erro	3.60629051
Median	11.16
Mode	#N/A
Standard Dev	10.2001299
Sample Varia	104.04265
Kurtosis	0.79351776
Skewness	0.85910337
Range	32.48
Maximum	32.48
Minimum	0.00
Sum	104.18
Count	8
Geometric M	#NUM!
Harmonic Me	#NUM!
AAD	7.773125
MAD	6.555
IQR	12.9025

Box Plot

	Difference
Min	0
Q1-Min	5.9275
Med-Q1	5.2275
Q3-Med	7.675
Max-Q3	13.65
Mean	13.02
Min	0
Q1	5.9275
Median	11.16
Q3	18.83
Max	32.48
Mean	13.02
Grand Min	0
Outliers	

Shapiro-Wilk Test

	Difference
W-stat	0.94160079
p-value	0.62689669
alpha	0.05
normal	yes
d'Agostino-Pearson	
DA-stat	1.59190868
p-value	0.45115048
alpha	0.05
normal	yes



Periodicity Central Region (2/3r) vs Peripheral (r) 120 Days

T Test: Two Paired Samples

1

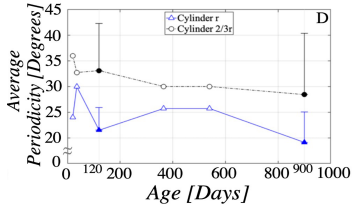
SUMMARY — Alpha 0.05 — Hyp Mean D 0 — Effect size

Groups	Count	Mean	Std Dev	Std Err	t	df	Cohen d	Effect r
Central	8	35.21	9.17420919			0.2	Small	0.1
Peripheral	8	22.18	4.43933956			0.5	Medium	0.3
Difference	8	13.02	10.2001299	3.60629051	3.61105129	7	1.27669943	0.80665558

T TEST

	p-value	t-crit	lower	upper	sig
One Tail	0.00430606	1.89457861			yes
Two Tail	0.00861212	2.36462425	4.494978	21.550022	yes

Effect size Choen's d score		Effect size Choen's r score	
0.2	Small	0.1	Small
0.5	Medium	0.3	Medium
0.8	Large	0.5	Large



The 120-day-old average periodicity of mammillary processes in the central region (35.21 ± 9.17˚) were more frequent than in the peripheral region (22.18 ± 4.44˚)
This difference (13.02), 95% CI [4.50, 21.55] was statistically significant $t(7) = 3.61$, $P = .009$, with a large effect size ($d = 1.28$).

Periodicity Central Region (2/3r) vs Peripheral (r) 900 Days

Descriptive Statistics

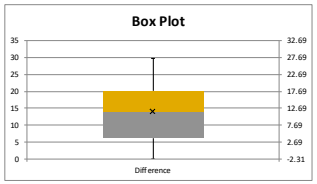
	Difference
Mean	11.66
Standard Erro	4.4847346
Median	11.91
Mode	#N/A
Standard Dev	10.9853114
Sample Varia	120.677067
Kurtosis	-0.9147081
Skewness	0.16400016
Range	29.74
Maximum	27.43
Minimum	-2.31
Sum	69.94
Count	6
Geometric M	#NUM!
Harmonic Me	#NUM!
AAD	8.71333333
MAD	8.36
IQR	13.995

Box Plot

	Difference
Min	0
Q1-Min	6.165
Med-Q1	8.055
Q3-Med	5.94
Max-Q3	9.58
Mean	13.97
Min	-2.31
Q1	3.855
Median	11.91
Q3	17.85
Max	27.43
Mean	11.66
Grand Min	-2.31
Outliers	

Shapiro-Wilk Test

	Difference
W-stat	0.98097416
p-value	0.95629632
alpha	0.05
normal	yes
d'Agostino-Pearson	
DA-stat	0.31376248
p-value	0.85480557
alpha	0.05
normal	yes



Periodicity Central Region (2/3r) vs Peripheral (r) 900 Days

T Test: Two Paired Samples

2

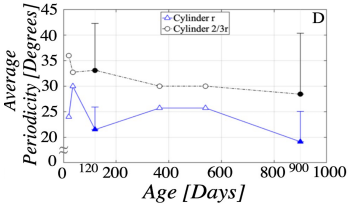
SUMMARY — Alpha 0.05 — Hyp Mean D 0

Groups	Count	Mean	Std Dev	Std Err	t	df	Cohen d	Effect r
Central	6	32.04	11.9407649					
Periphera	6	20.39	5.9105826					
Difference	6	11.66	10.9853114	4.4847346	2.59918762	5	1.0611139	0.75807465

T TEST

	p-value	t-crit	lower	upper	sig
One Tail	0.02414844	2.01504837			yes
Two Tail	0.04829688	2.57058184	0.12828936	23.185044	yes

Effect size Choen's d score		Effect size Choen's r score	
0.2	Small	0.1	Small
0.5	Medium	0.3	Medium
0.8	Large	0.5	Large



The 900-day-old average periodicity of mammillary processes in the central region (32.04 ± 11.94˚) were more frequent than in the peripheral region (20.39 ± 5.91˚)
This difference (11.66˚), 95% CI [0.13, 23.19] was statistically significant $t(5) = 2.60$, $P = .048$, with a large effect size ($d = 1.06$).

NOTE: *P-Value, may not be significant at that P-value*

Periodicty Central region (2/3r) 120 to 900 Days

Test For Normality 120 Day

Descriptive Statistics

	Central
Mean	35.21
Standard Erro	3.24357277
Median	36.00
Mode	36
Standard Dev	9.17420919
Sample Varia	84.1661143
Kurtosis	0.19529507
Skewness	0.35642876
Range	28.93
Maximum	51.43
Minimum	22.50
Sum	281.64
Count	8
Geometric M	34.1521791
Harmonic Me	33.1026343
AAD	6.85125
MAD	5
IQR	11.0725

Box Plot

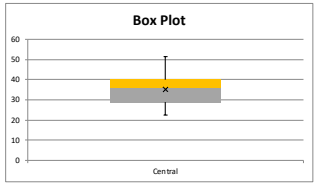
	Central
Min	22.5
Q1-Min	6.4275
Med-Q1	7.0725
Q3-Med	4
Max-Q3	11.43
Mean	35.21
Min	22.5
Q1	28.9275
Median	36.00
Q3	40
Max	51.43
Mean	35.21
Grand Min	0
Outliers	

Shapiro-Wilk Test

	Central
W-stat	0.95945158
p-value	0.80485944
alpha	0.05
normal	yes

d'Agostino-Pearson

DA-stat	0.24198288
p-value	0.88604154
alpha	0.05
normal	yes



Test For Normality 900 Day

Descriptive Statistics

	Central
Mean	32.04
Standard Erro	4.87479686
Median	31.85
Mode	36
Standard Dev	11.9407649
Sample Varia	142.581867
Kurtosis	0.48587873
Skewness	0.61623133
Range	34.29
Maximum	51.43
Minimum	17.14
Sum	192.26
Count	6
Geometric M	30.2037655
Harmonic Me	28.4194112
AAD	9.1
MAD	6
IQR	11.0775

Box Plot

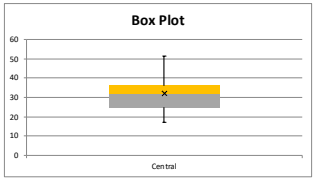
	Central
Min	17.14
Q1-Min	7.7825
Med-Q1	6.9225
Q3-Med	4.155
Max-Q3	15.43
Mean	32.04
Min	17.14
Q1	24.9225
Median	31.85
Q3	36
Max	51.43
Mean	32.04
Grand Min	0
Outliers	

Shapiro-Wilk Test

	Central
W-stat	0.95915663
p-value	0.81321758
alpha	0.05
normal	yes

d'Agostino-Pearson

DA-stat	0.60954325
p-value	0.73729173
alpha	0.05
normal	yes



Periodicty Central region (2/3r) 120 to 900 Days

T Test: Two Independent Samples

SUMMARY				Hyp Mean D	0
Groups	*Count*	*Mean*	*Variance*	*Cohen d*	
Central	8	35.21	84.1661143		
Central	6	32.04	142.581867		
Pooled		3.16	108.506011	0.30352131	

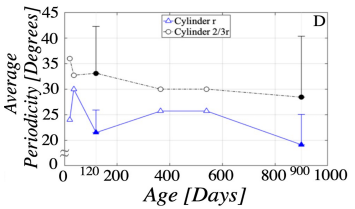
Effect size		Effect size	
Choen's *d* score		Choen's *r* score	
0.2	Small	0.1	Small
0.5	Medium	0.3	Medium
0.8	Large	0.5	Large

T TEST: Equal Variances — Alpha 0.05

	std err	*t-stat*	*df*	*p-value*	*t-crit*	*lower*	*upper*	*sig*	*effect r*
One Tail	5.62561877	0.56201225	12	0.29222639	1.78228756			no	0.16014502
Two Tail	5.62561877	0.56201225	12	0.58445277	2.17881283	-9.0955037	15.418837	no	0.16014502

T TEST: Unequal Variances — Alpha 0.05

	std err	*t-stat*	*df*	*p-value*	*t-crit*	*lower*	*upper*	*sig*	*effect r*
One Tail	5.85528895	0.53996766	9.12916096	0.3010702	1.83016457			no	0.17592419
Two Tail	5.85528895	0.53996766	9.12916096	0.6021404	2.25728779	-10.055406	16.3787389	no	0.17592419



No difference could be detected for the average periodicity in the central region of the 120-days-old (35.21 ± 9.17 mm) and 900-days-old (32.04 ± 11.94 mm)
The 3.16 mm difference, 95% CI [-10.06, 16.37] was not statistically significant($t(9.13) = 0.54$, $P = .60$, with a small effect size($d = .30$).

Periodicty Peripheral Region (r) 120 to 900 Days

Test For Normality 120 Day

Descriptive Statistics

	Peripheral
Mean	22.18
Standard Erro	1.56954355
Median	20.59
Mode	20
Standard Dev	4.43933956
Sample Varia	19.7077357
Kurtosis	-0.0828075
Skewness	1.00377134
Range	12.86
Maximum	30.00
Minimum	17.14
Sum	177.46
Count	8
Geometric M	21.8224792
Harmonic Me	21.4926796
AAD	3.410625
MAD	1.775
IQR	4.06

Box Plot

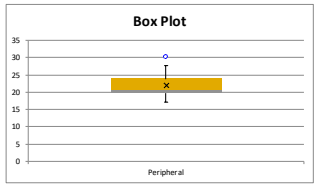
	Peripheral
Min	17.14
Q1-Min	2.5975
Med-Q1	0.8525
Q3-Med	3.2075
Max-Q3	3.8925
Mean	22.18
Min	17.14
Q1	19.7375
Median	20.59
Q3	23.7975
Max	27.69
Mean	22.18
Grand Min	0
Outliers	30.00

Shapiro-Wilk Test

	Peripheral
W-stat	0.885094
p-value	0.21052366
alpha	0.05
normal	yes

d'Agostino-Pearson

DA-stat	1.78434347
p-value	0.40976488
alpha	0.05
normal	yes



Test For Normality 900 Day

Descriptive Statistics

	Periphera
Mean	20.39
Standard Erro	2.41298524
Median	19.16
Mode	15
Standard Dev	5.9105826
Sample Varia	34.9349867
Kurtosis	-0.2238641
Skewness	0.85615378
Range	15
Maximum	30.00
Minimum	15.00
Sum	122.32
Count	6
Geometric M	19.7200781
Harmonic Me	19.1149313
AAD	4.67333333
MAD	4.16
IQR	7.76

Box Plot

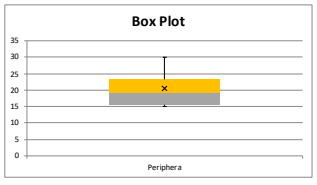
	Periphera
Min	15
Q1-Min	0.535
Med-Q1	3.625
Q3-Med	4.135
Max-Q3	6.705
Mean	20.39
Min	15
Q1	15.535
Median	19.16
Q3	23.295
Max	30
Mean	20.39
Grand Min	0
Outliers	

Shapiro-Wilk Test

	Periphera
W-stat	0.89846193
p-value	0.36491839
alpha	0.05
normal	yes

d'Agostino-Pearson

DA-stat	1.04273701
p-value	0.5937075
alpha	0.05
normal	yes



Periodicty Peripheral Region (r) 120 to 900 Days

T Test: Two Independent Samples

SUMMARY				Hyp Mean D	0
Groups	*Count*	*Mean*	*Variance*	*Cohen d*	
Peripheral	8	22.18	19.7077357		
Periphera	6	20.39	34.9349867		
Pooled		1.80	26.0524236	0.35183737	

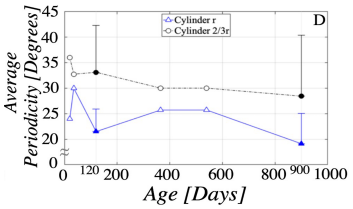
Effect size		Effect size	
Choen's *d* score		Choen's *r* score	
0.2	Small	0.1	Small
0.5	Medium	0.3	Medium
0.8	Large	0.5	Large

T TEST: Equal Variances — Alpha 0.05

	std err	*t-stat*	*df*	*p-value*	*t-crit*	*lower*	*upper*	*sig*	*effect r*
One Tail	2.75656009	0.65147621	12	0.26350956	1.78228756			no	0.1848249
Two Tail	2.75656009	0.65147621	12	0.52701913	2.17881283	-4.2101952	7.80186183	no	0.1848249

T TEST: Unequal Variances — Alpha 0.05

	std err	*t-stat*	*df*	*p-value*	*t-crit*	*lower*	*upper*	*sig*	*effect r*
One Tail	2.87853517	0.62387055	8.97802765	0.27411702	1.83362383			no	0.20383963
Two Tail	2.87853517	0.62387055	8.97802765	0.54823405	2.26300137	-4.7182957	8.30996237	no	0.20383963



No difference could be detected for the average periodicity in the peripheral region of the 120-days-old (22.18 ± 4.44 mm) and 900-days-old (20.39 ± 5.91 mm)
The 1.80 mm difference, 95% CI [-4.72, 8.31] was not statistically significant($t(8.98) = 0.62$, $P = .55$, with a small effect size($d = 0.35$).