

							95% Confidence Interval	
		Statistic	df	p		Effect Size	Lower	Upper
Primary follicle	Student's t	2.785	32.0	0.009	Cohen's d	0.957	0.2376	1.6632
	Mann-Whitney U	68.0		0.007	Rank biserial correlation	-0.5278		
secondary follicle	Student's t	1.025	32.0	0.313	Cohen's d	0.352	-0.3293	1.0285
	Mann-Whitney U	100.5		0.132	Rank biserial correlation	-0.3021		
Tertiary follicle	Student's t	3.133 ^a	32.0	0.004	Cohen's d	1.076	0.3462	1.7918
	Mann-Whitney U	68.5		0.006	Rank biserial correlation	-0.5243		
Graffian follicle	Student's t	2.134 ^a	32.0	0.041	Cohen's d	0.733	0.0310	1.4245
	Mann-Whitney U	102.0		0.135	Rank biserial correlation	-0.2917		
Atretic follicle	Student's t	-2.282	32.0	0.029	Cohen's d	-0.784	-1.4786	-0.0784
	Mann-Whitney U	80.5		0.026	Rank biserial correlation	0.4410		
CL	Student's t	-0.665	32.0	0.511	Cohen's d	-0.229	-0.9026	0.4489
	Mann-Whitney U	132.0		0.688	Rank biserial correlation	0.0833		
Duration	Student's t	0.000	34.0	1.000	Cohen's d	0.000	-0.6533	0.6533
	Mann-Whitney U	162.0		1.000	Rank biserial correlation	0.0000		

Note. $H_a: \mu_{CTL} \neq \mu_{VDD}$

^a Levene's test is significant ($p < .05$), suggesting a violation of the assumption of equal variances

[3]

Assumptions

Normality Test (Shapiro-Wilk)

	W	p
Primary follicle	0.817	<.001
secondary follicle	0.921	0.018
Tertiary follicle	0.925	0.023
Graffian follicle	0.857	<.001
Atretic follicle	0.904	0.006
CL	0.965	0.335
Duration	0.766	<.001

Note. A low p-value suggests a violation of the assumption of normality

Homogeneity of Variances Test (Levene's)

	F	df	df2	p
Primary follicle	0.625	1	32	0.435
secondary follicle	2.527	1	32	0.122
Tertiary follicle	17.975	1	32	<.001
Graffian follicle	12.052	1	32	0.002
Atretic follicle	1.843	1	32	0.184
CL	0.435	1	32	0.514
Duration	1.49e-30	1	34	1.000

Note. A low p-value suggests a violation of the assumption of equal variances

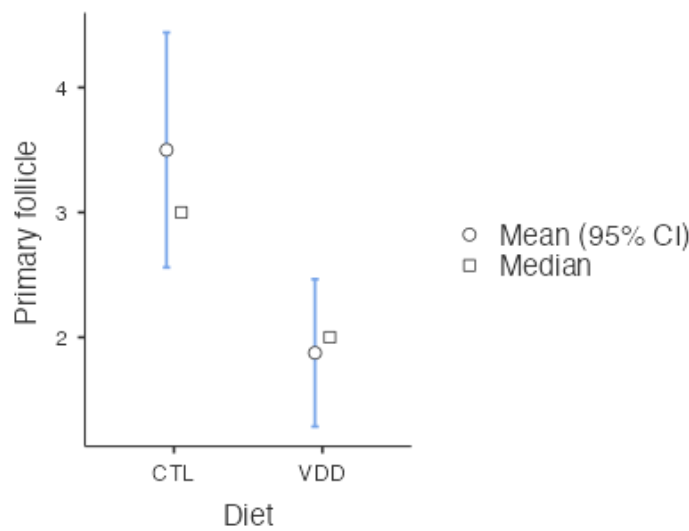
[4]

Group Descriptives

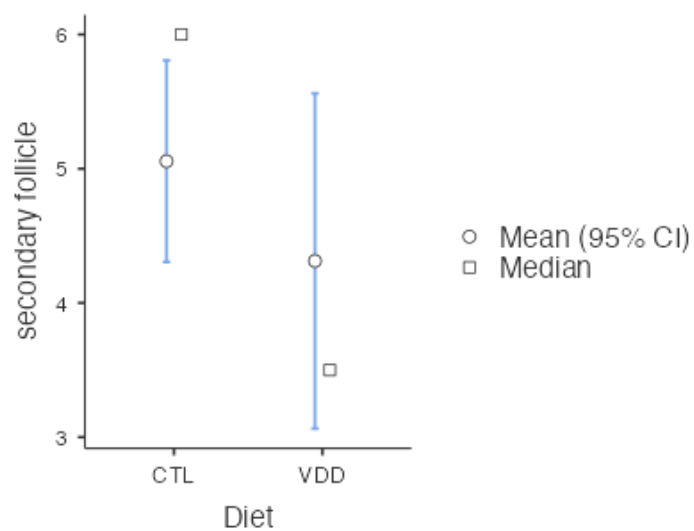
	Group	N	Mean	Median	SD	SE
Primary follicle	CTL	18	3.50	3.00	2.04	0.480
	VDD	16	1.875	2.00	1.204	0.301
secondary follicle	CTL	18	5.06	6.00	1.63	0.383
	VDD	16	4.313	3.50	2.549	0.637
Tertiary follicle	CTL	18	2.67	2.00	1.71	0.404
	VDD	16	1.188	1.00	0.834	0.209
Graffian follicle	CTL	18	2.17	1.00	2.55	0.601
	VDD	16	0.750	1.00	0.775	0.194
Atretic follicle	CTL	18	1.33	1.00	1.33	0.313
	VDD	16	2.688	2.00	2.089	0.522
CL	CTL	18	4.94	5.00	2.69	0.634
	VDD	16	5.500	5.00	2.098	0.524
Duration	CTL	18	100.00	90.00	38.50	9.075
	VDD	18	100.000	90.00	38.501	9.075

Plots

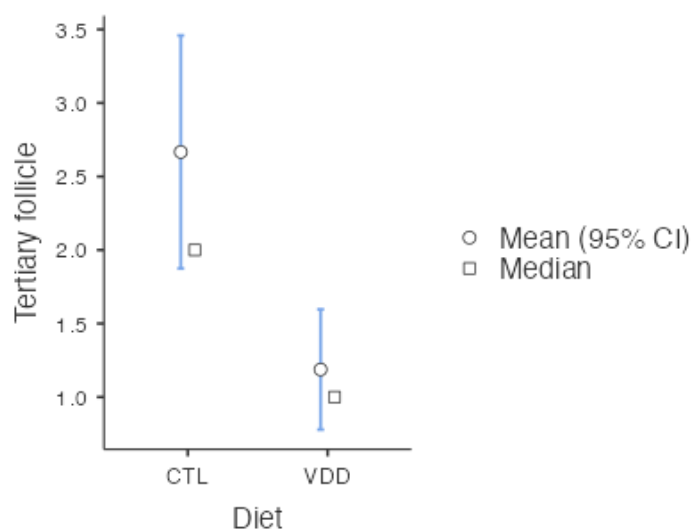
Primary follicle



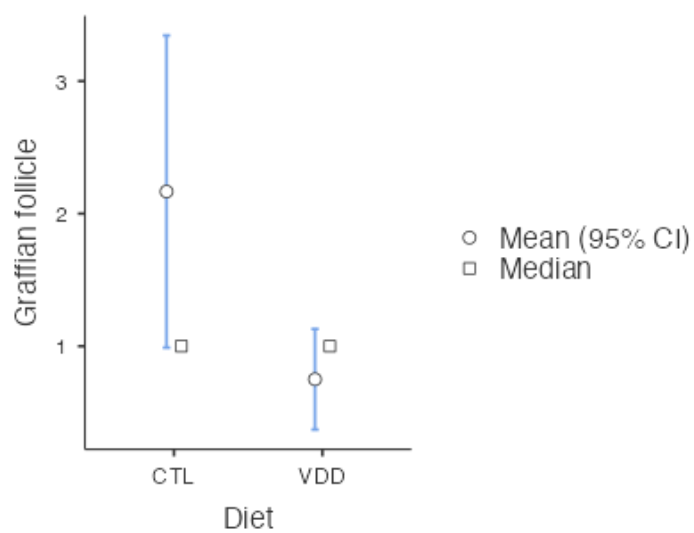
secondary follicle



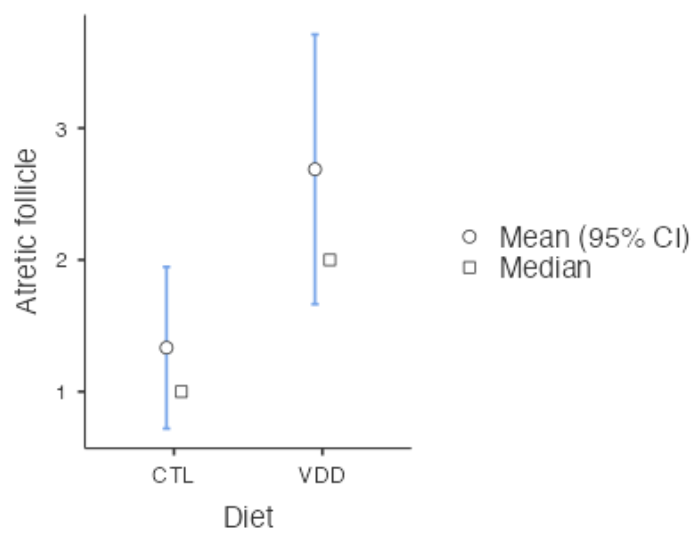
Tertiary follicle



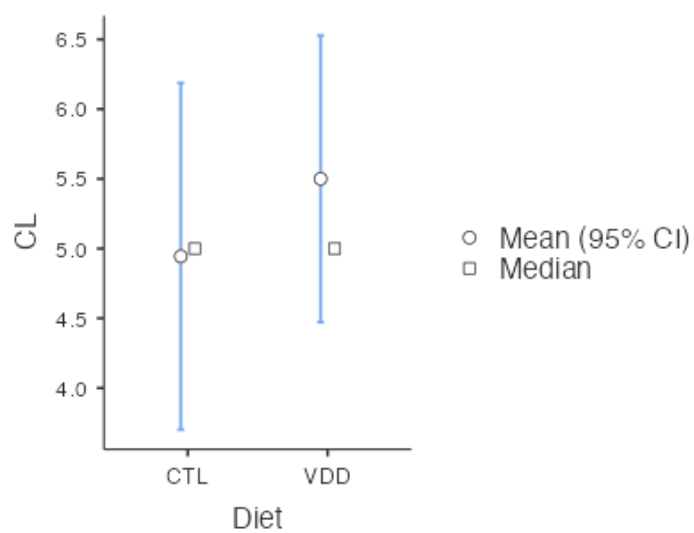
Graffian follicle



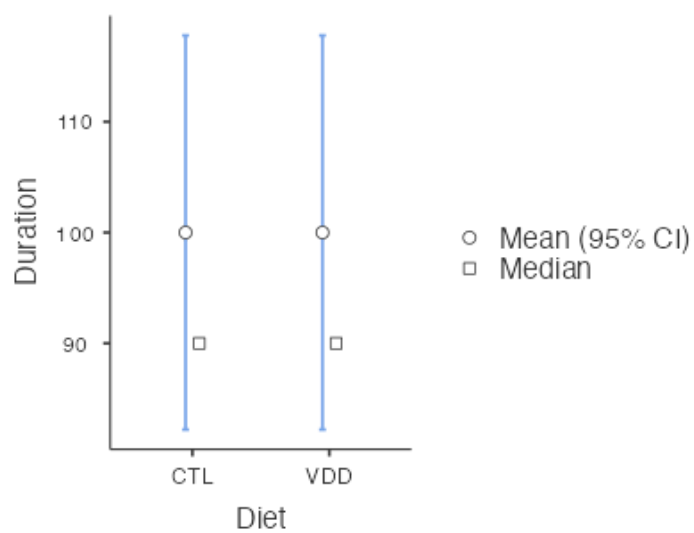
Atretic follicle



CL



Duration



ANOVA

ANOVA - Primary follicle

	Sum of Squares	df	Mean Square	F	p	η^2
Overall model	46.21	5	9.24	3.91	0.008	
Diet	22.51	1	22.51	9.34	0.005	0.198
Duration	17.23	2	8.62	3.57	0.041	0.152
Diet * Duration	6.47	2	3.23	1.34	0.278	0.057
Residuals	67.50	28	2.41			

Assumption Checks

Homogeneity of Variances Test (Levene's)

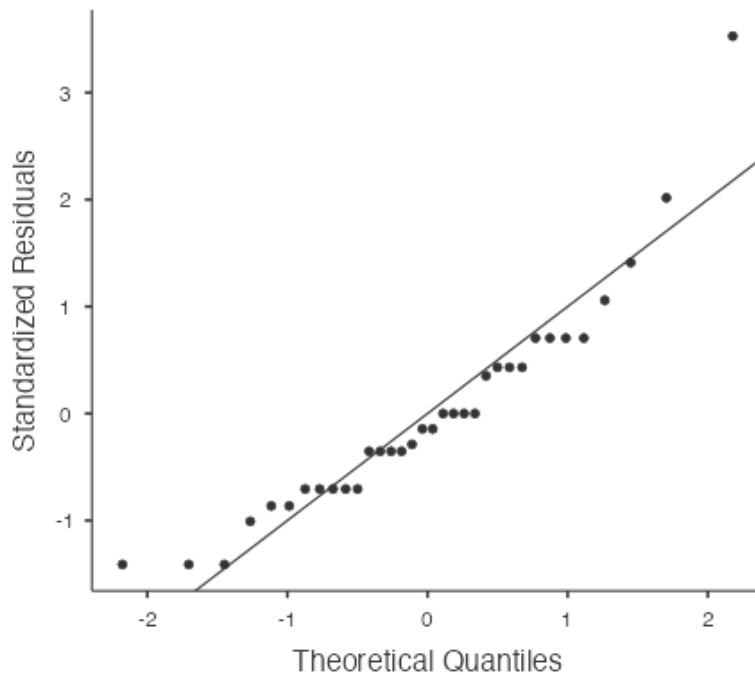
F	df1	df2	p
4.08	5	28	0.007

Normality Test (Shapiro-Wilk)

Statistic	p
0.901	0.005

Overall, there was a difference [$F_{0.5(5,28)}=3.91$, $p=0.008$] with diet [$F_{0.5(2,28)}=9.34$, $p=0.005$] and duration [$F_{0.5(2,28)}=3.57$, $p=0.041$] alone had effects. Post hoc tests show diet had a significant effect ($p=0.005$, $d=1.05$) CTL60 vs VDD60 had no effect while both diet & duration affected CTL60 vs VDD90 ($p=0.026$, $d=1.9322$) & CTL60 vs VDD150 ($p=0.005$, $d=2.4474$).

Q-Q Plot



Post Hoc Tests

Post Hoc Comparisons - Diet

Comparison		Mean Difference	SE	df	t	P _{Tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Diet	Diet								Lower	Upper
CTL	- VDD	1.63	0.535	28.0	3.06	0.005	0.005	1.05	0.290	1.81

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Duration

Comparison		Mean Difference	SE	df	t	P _{Tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Duration	Duration								Lower	Upper
60	- 90	1.450	0.650	28.0	2.232	0.083	0.101	0.9339	0.0397	1.828
	- 150	1.600	0.665	28.0	2.407	0.058	0.069	1.0305	0.1092	1.952
90	- 150	0.150	0.650	28.0	0.231	0.971	1.000	0.0966	-0.7607	0.954

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Diet * Duration

Comparison											95% Confidence Interval		
Diet	Duration		Diet	Duration	Mean Difference	SE	df	t	P _{Tukey}	P _{bonferroni}	Cohen's d	Lower	Upper
CTL	60	-	CTL	90	2.5000	0.896	28.0	2.789	0.089	0.141	1.6102	0.3480	2.872
		-	CTL	150	2.0000	0.896	28.0	2.231	0.256	0.508	1.2881	0.0540	2.522
		-	VDD	60	2.6000	0.940	28.0	2.765	0.094	0.149	1.6746	0.3522	2.997
		-	VDD	90	3.0000	0.896	28.0	3.347	0.026	0.035	1.9322	0.6367	3.228
		-	VDD	150	3.8000	0.940	28.0	4.042	0.005	0.006	2.4474	1.0377	3.857
	90	-	CTL	150	-0.5000	0.896	28.0	-0.558	0.993	1.000	-0.3220	-1.5080	0.864
		-	VDD	60	0.1000	0.940	28.0	0.106	1.000	1.000	-0.0644	-1.3049	1.176
		-	VDD	90	0.5000	0.896	28.0	0.558	0.993	1.000	0.3220	-0.8639	1.508
		-	VDD	150	1.3000	0.940	28.0	1.383	0.737	1.000	0.8373	-0.4241	2.099
	150	-	VDD	60	0.6000	0.940	28.0	0.638	0.987	1.000	-0.3864	-1.6313	0.858
		-	VDD	90	1.0000	0.896	28.0	1.116	0.871	1.000	-0.6441	-1.8398	0.552
		-	VDD	150	1.8000	0.940	28.0	1.915	0.415	0.987	1.1593	-0.1210	2.440
VDD	60	-	VDD	90	0.4000	0.940	28.0	0.425	0.998	1.000	0.2576	-0.9848	1.500
		-	VDD	150	1.2000	0.982	28.0	1.222	0.822	1.000	0.7729	-0.5398	2.086
	90	-	VDD	150	0.8000	0.940	28.0	0.851	0.955	1.000	0.5152	-0.7331	1.764

Note. Comparisons are based on estimated marginal means

ANOVA

ANOVA - secondary follicle

	Sum of Squares	df	Mean Square	F	p	η^2
Overall model	72.77	5	14.55	4.97	0.002	
Diet	3.75	1	3.75	1.35	0.256	0.025
Duration	28.65	2	14.33	5.15	0.012	0.190
Diet * Duration	40.37	2	20.19	7.25	0.003	0.268
Residuals	77.93	28	2.78			

overall, sec follicles are unaffected

Assumption Checks

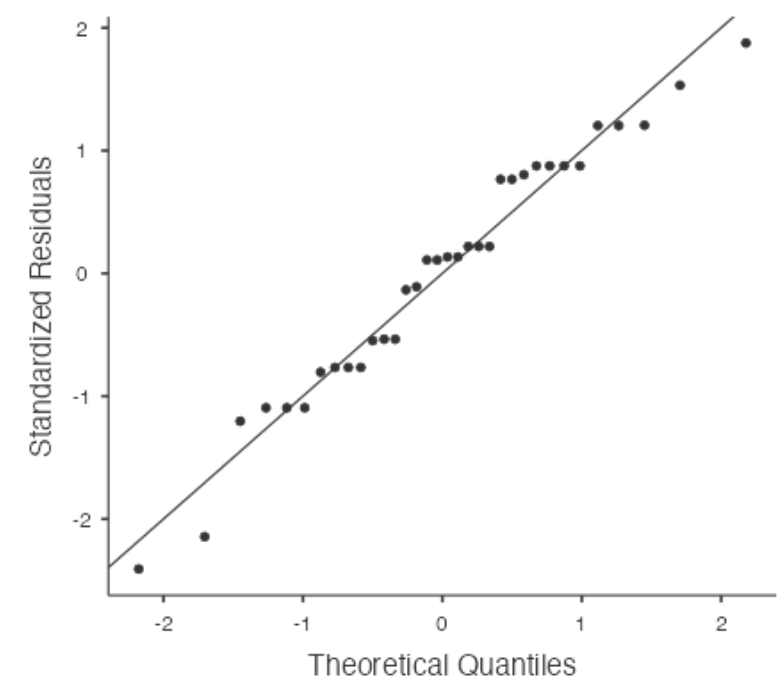
Homogeneity of Variances Test (Levene's)

F	df1	df2	p
1.55	5	28	0.206

Normality Test (Shapiro-Wilk)

Statistic	p
0.968	0.396

Q-Q Plot



Post Hoc Tests

Post Hoc Comparisons - Diet

Comparison		Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Diet	Diet								Lower	Upper
CTL	- VDD	0.667	0.574	28.0	1.16	0.256	0.256	0.400	-0.314	1.11

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Duration

Comparison		Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Duration	Duration								Lower	Upper
60	- 90	2.100	0.698	28.0	3.009	0.015	0.016	1.259	0.335	2.182
	- 150	1.783	0.714	28.0	2.496	0.048	0.056	1.069	0.144	1.994
90	- 150	-0.317	0.698	28.0	-0.454	0.893	1.000	-0.190	-1.048	0.669

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Diet * Duration

Comparison											95% Confidence Interval	
Diet	Duration	Diet	Duration	Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	Lower	Upper
CTL	60	- CTL	90	0.167	0.963	28.0	0.173	1.000	1.000	0.0999	-1.0831	1.283
		- CTL	150	-0.833	0.963	28.0	-0.865	0.952	1.000	-0.4995	-1.6900	0.691
		- VDD	60	-2.367	1.010	28.0	-2.343	0.211	0.397	-1.4186	-2.7183	-0.119
		- VDD	90	1.667	0.963	28.0	1.730	0.524	1.000	0.9990	-0.2149	2.213
		- VDD	150	2.033	1.010	28.0	2.013	0.361	0.808	1.2188	-0.0657	2.503
	90	- CTL	150	-1.000	0.963	28.0	-1.038	0.901	1.000	-0.5994	-1.7934	0.595
		- VDD	60	-2.533	1.010	28.0	-2.508	0.156	0.273	1.5185	0.2103	2.827
		- VDD	90	1.500	0.963	28.0	1.557	0.632	1.000	0.8991	-0.3089	2.107
		- VDD	150	1.867	1.010	28.0	1.848	0.453	1.000	1.1189	-0.1587	2.397
		150	- VDD	60	-1.533	1.010	28.0	-1.518	0.656	1.000	0.9191	-0.3465
	- VDD		90	2.500	0.963	28.0	2.595	0.132	0.223	-1.4985	-2.7503	-0.247
	- VDD		150	2.867	1.010	28.0	2.838	0.080	0.125	1.7183	0.3917	3.045
VDD	60	- VDD	90	4.033	1.010	28.0	3.993	0.005	0.006	2.4176	1.0117	3.823
		- VDD	150	4.400	1.055	28.0	4.170	0.003	0.004	2.6374	1.1543	4.120
	90	- VDD	150	0.367	1.010	28.0	0.363	0.999	1.000	0.2198	-1.0220	1.462

Note. Comparisons are based on estimated marginal means

ANOVA

ANOVA - Tertiary follicle

	Sum of Squares	df	Mean Square	F	p	η^2
Overall model	44.91	5	8.98	8.05	<.001	
Diet	18.70	1	18.70	16.16	<.001	0.242
Duration	21.28	2	10.64	9.19	<.001	0.275
Diet * Duration	4.93	2	2.46	2.13	0.138	0.064
Residuals	32.40	28	1.16			

$F_{0.5(1,28)}=16.16, p<0.001$

Assumption Checks

Homogeneity of Variances Test (Levene's)

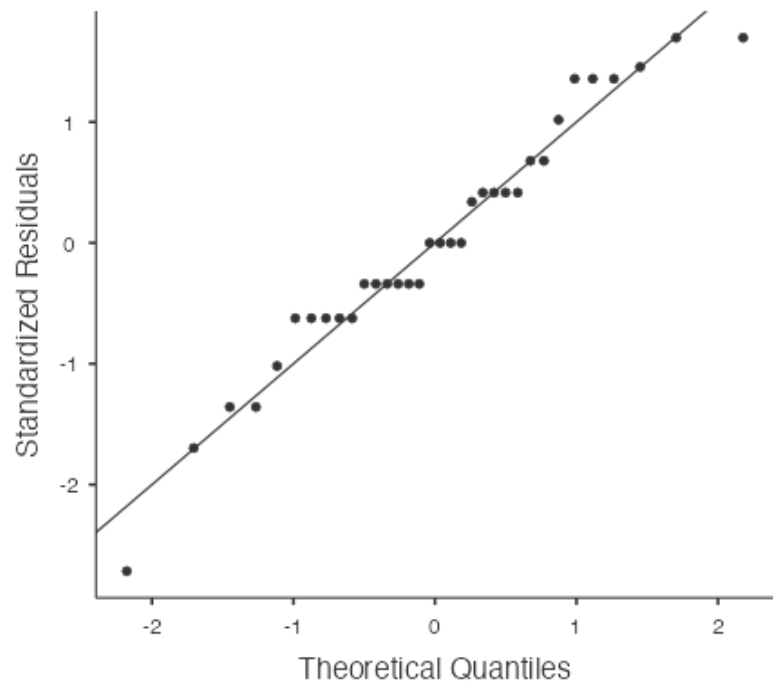
F	df1	df2	p
3.60	5	28	0.012

Both diet & duration don't have a significant effect on tertiary follicle numbers
However, Tukey's post hoc tests show there is a significant difference with duration
CTL60 vs VDD60, $p=0.038, d=1.921$
CTL90 vs VDD90, $p=0.034, d=1.859$
CTL60 vs VDD150, $p=0.001, d=2.851$
CTL90 vs VDD150, $p=0.003, d=2.541$

Normality Test (Shapiro-Wilk)

Statistic	p
0.963	0.295

Q-Q Plot



Post Hoc Tests

Post Hoc Comparisons - Diet

Comparison		Mean Difference	SE	df	t	P _{Tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Diet	Diet								Lower	Upper
CTL	- VDD	1.49	0.370	28.0	4.02	<.001	<.001	1.38	0.584	2.18

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Duration

Comparison		Mean Difference	SE	df	t	P _{Tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Duration	Duration								Lower	Upper
60	- 90	0.300	0.450	28.0	0.667	0.785	1.000	0.279	-0.581	1.14
	- 150	1.833	0.461	28.0	3.980	0.001	0.001	1.704	0.711	2.70
90	- 150	1.533	0.450	28.0	3.407	0.006	0.006	1.425	0.484	2.37

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Diet * Duration

Comparison				Mean Difference	SE	df	t	P _{Tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Diet	Duration	Diet	Duration								Lower	Upper
CTL	60	- CTL	90	0.333	0.621	28.0	0.537	0.994	1.000	0.310	-0.876	1.496
		- CTL	150	2.667	0.621	28.0	4.294	0.002	0.003	2.479	1.115	3.842
		- VDD	60	2.067	0.651	28.0	3.173	0.038	0.055	1.921	0.574	3.268
		- VDD	90	2.333	0.621	28.0	3.757	0.009	0.012	2.169	0.846	3.492
		- VDD	150	3.067	0.651	28.0	4.708	<.001	<.001	2.851	1.385	4.316
	90	- CTL	150	2.333	0.621	28.0	3.757	0.009	0.012	2.169	0.846	3.492
		- VDD	60	1.733	0.651	28.0	2.661	0.116	0.191	-1.611	-2.928	-0.295
		- VDD	90	2.000	0.621	28.0	3.220	0.034	0.049	1.859	0.572	3.147
		- VDD	150	2.733	0.651	28.0	4.196	0.003	0.004	2.541	1.119	3.963
		- VDD	60	-0.600	0.651	28.0	-0.921	0.938	1.000	0.558	-0.692	1.808
	150	- VDD	90	-0.333	0.621	28.0	-0.537	0.994	1.000	0.310	-0.876	1.496
		- VDD	150	0.400	0.651	28.0	0.614	0.989	1.000	0.372	-0.873	1.616
VDD	60	- VDD	90	0.267	0.651	28.0	0.409	0.998	1.000	0.248	-0.994	1.490
		- VDD	150	1.000	0.680	28.0	1.470	0.685	1.000	0.930	-0.391	2.250
	90	- VDD	150	0.733	0.651	28.0	1.126	0.866	1.000	0.682	-0.573	1.936

Note. Comparisons are based on estimated marginal means

ANOVA

ANOVA - Graffian follicle

	Sum of Squares	df	Mean Square	F	p	η^2
Overall model	55.8	5	11.15	4.30	0.005	
Diet	17.1	1	17.07	6.19	0.019	0.128
Duration	25.6	2	12.80	4.64	0.018	0.193
Diet * Duration	13.1	2	6.54	2.37	0.112	0.098
Residuals	77.2	28	2.76			

Assumption Checks

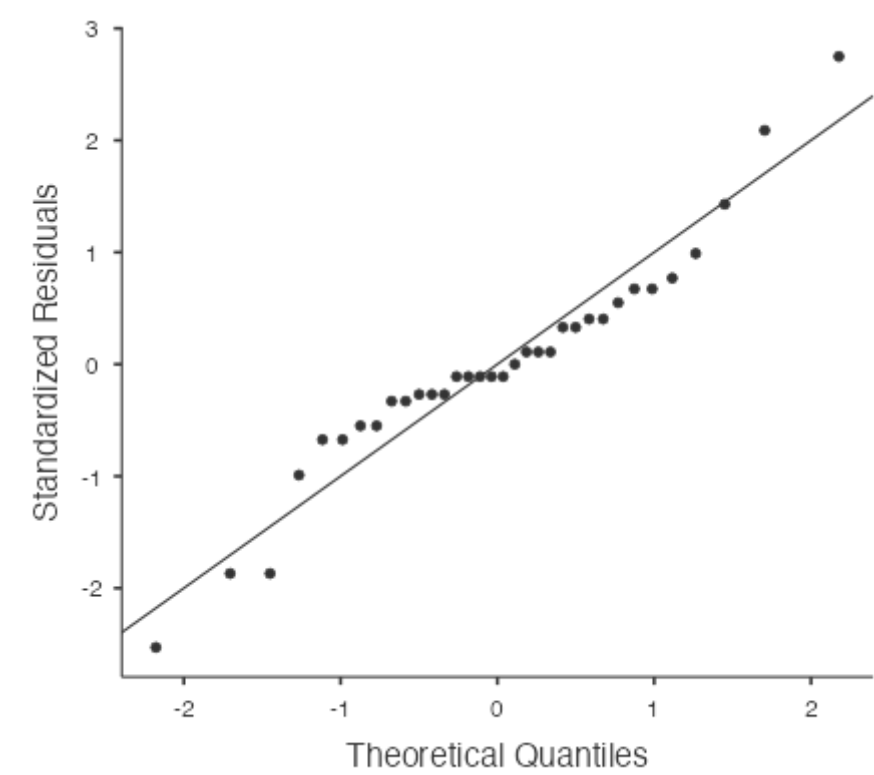
Homogeneity of Variances Test (Levene's)

F	df1	df2	p
30.8	5	28	<.001

Normality Test (Shapiro-Wilk)

Statistic	p
0.940	0.062

Q-Q Plot



ANOVA

ANOVA - CL

	Sum of Squares	df	Mean Square	F	p	η^2
Overall model	43.29	5	8.66	1.805	0.144	
Diet	2.82	1	2.82	0.544	0.467	0.015
Duration	15.61	2	7.81	1.509	0.239	0.083
Diet * Duration	24.86	2	12.43	2.402	0.109	0.132
Residuals	144.87	28	5.17			

Assumption Checks

Homogeneity of Variances Test (Levene's)

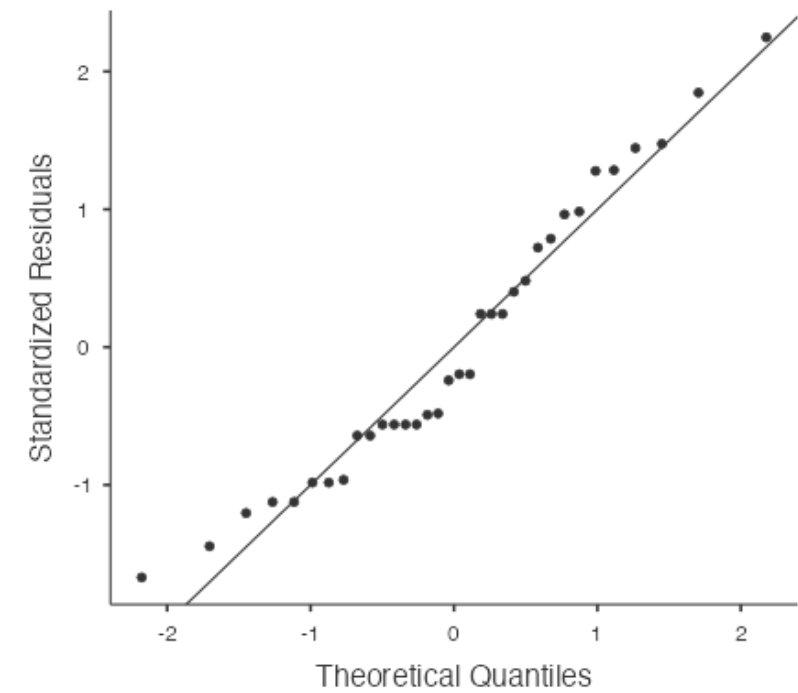
F	df1	df2	p
1.32	5	28	0.283

Normality Test (Shapiro-Wilk)

Statistic	p
0.956	0.186

overall, diet &/or duration have no effect on CL numbers

Q-Q Plot



Post Hoc Tests

Post Hoc Comparisons - Diet

Comparison		Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Diet	Diet								Lower	Upper
CTL	- VDD	-0.578	0.783	28.0	-0.738	0.467	0.467	-0.254	-0.963	0.455

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Duration

Comparison		Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Duration	Duration								Lower	Upper
60	- 90	1.367	0.952	28.0	1.436	0.337	0.486	0.6008	-0.272	1.473
	- 150	1.533	0.974	28.0	1.574	0.273	0.380	0.6741	-0.222	1.570
90	- 150	0.167	0.952	28.0	0.175	0.983	1.000	0.0733	-0.784	0.930

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Diet * Duration

Comparison											95% Confidence Interval	
Diet	Duration	Diet	Duration	Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	Lower	Upper
CTL	60	- CTL	90	2.500	1.31	28.0	1.904	0.421	1.000	1.099	-0.121	2.319
		- CTL	150	3.667	1.31	28.0	2.792	0.088	0.140	1.612	0.350	2.874
		- VDD	60	1.600	1.38	28.0	1.162	0.851	1.000	0.703	-0.552	1.959
		- VDD	90	1.833	1.31	28.0	1.396	0.729	1.000	0.806	-0.397	2.009
		- VDD	150	1.000	1.38	28.0	0.726	0.977	1.000	0.440	-0.807	1.686
	90	- CTL	150	1.167	1.31	28.0	0.888	0.946	1.000	0.513	-0.678	1.704
		- VDD	60	-0.900	1.38	28.0	-0.653	0.986	1.000	0.396	-0.849	1.641
		- VDD	90	-0.667	1.31	28.0	-0.508	0.995	1.000	-0.293	-1.478	0.892
		- VDD	150	-1.500	1.38	28.0	-1.089	0.882	1.000	-0.659	-1.913	0.594
		150	- VDD	60	-2.067	1.38	28.0	-1.500	0.667	1.000	0.909	-0.356
	- VDD		90	-1.833	1.31	28.0	-1.396	0.729	1.000	0.806	-0.397	2.009
	- VDD		150	-2.667	1.38	28.0	-1.936	0.402	0.945	-1.172	-2.454	0.109
VDD	60	- VDD	90	0.233	1.38	28.0	0.169	1.000	1.000	0.103	-1.138	1.343
		- VDD	150	-0.600	1.44	28.0	-0.417	0.998	1.000	-0.264	-1.561	1.034
	90	- VDD	150	-0.833	1.38	28.0	-0.605	0.990	1.000	-0.366	-1.611	0.878

Note. Comparisons are based on estimated marginal means

ANOVA

ANOVA - Atretic follicle

	Sum of Squares	df	Mean Square	F	p	η^2
Overall model	49.435	5	9.887	4.233	0.005	
Diet	17.067	1	17.067	7.561	0.010	0.152
Duration	0.994	2	0.497	0.220	0.804	0.009
Diet * Duration	31.375	2	15.687	6.950	0.004	0.279
Residuals	63.200	28	2.257			

Assumption Checks

Homogeneity of Variances Test (Levene's)

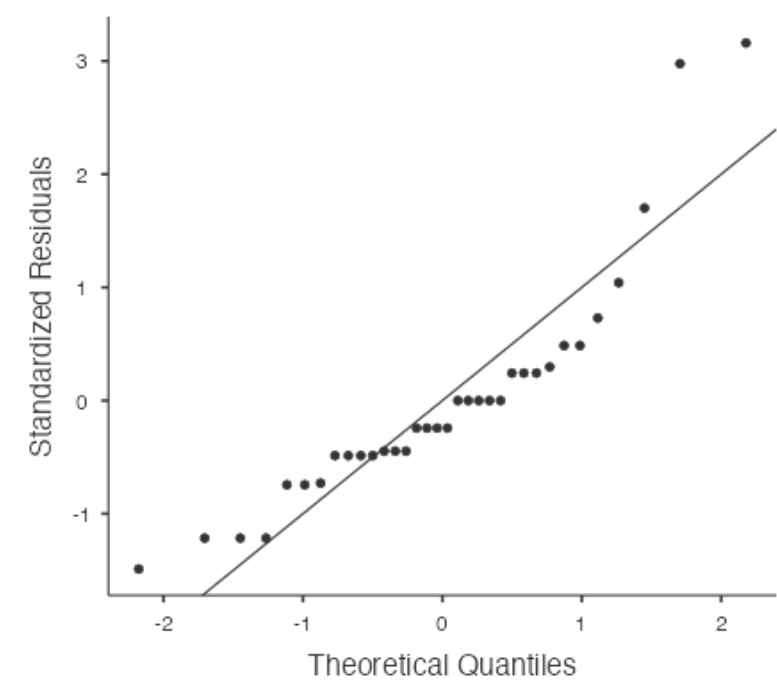
F	df1	df2	p
1.85	5	28	0.136

Normality Test (Shapiro-Wilk)

Statistic	p
0.846	<.001

overall, diet has an effect on atretic follicles [$F_{0.5(5,28)}=4.233$, $p=0.005$]
however, post hoc tests show control diet had more atretic follicles than VDD diet ($p=0.010$, $d= -0.947$)
CTL60 had more atretic follicles than VDD60 ($p=0.005$, $d= -2.4406$)
CTL150 had fewer atretic follicles than VDD60 ($p=0.29$, $d=1.9968$)

Q-Q Plot



Post Hoc Tests

Post Hoc Comparisons - Diet

Comparison		Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Diet	Diet								Lower	Upper
CTL	- VDD	-1.42	0.517	28.0	-2.75	0.010	0.010	-0.947	-1.70	-0.195

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Duration

Comparison		Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Duration	Duration								Lower	Upper
60	- 90	-4.16e-16	0.628	28.0	-6.62e-16	1.000	1.000	-2.22e-16	-0.857	0.857
	- 150	0.367	0.643	28.0	0.570	0.837	1.000	0.244	-0.636	1.124
90	- 150	0.367	0.628	28.0	0.583	0.830	1.000	0.244	-0.615	1.104

Note. Comparisons are based on estimated marginal means

Post Hoc Comparisons - Diet * Duration

Comparison				Mean Difference	SE	df	t	P _{tukey}	P _{bonferroni}	Cohen's d	95% Confidence Interval	
Diet	Duration	Diet	Duration								Lower	Upper
CTL	60	- CTL	90	-2.3333	0.867	28.0	-2.6900	0.109	0.179	-1.5531	-2.810	-0.296
		- CTL	150	-0.6667	0.867	28.0	-0.7686	0.971	1.000	-0.4437	-1.633	0.745
		- VDD	60	-3.6667	0.910	28.0	-4.0305	0.005	0.006	-2.4406	-3.849	-1.032
		- VDD	90	-1.3333	0.867	28.0	-1.5372	0.644	1.000	-0.8875	-2.095	0.320
		- VDD	150	-2.2667	0.910	28.0	-2.4916	0.161	0.284	-1.5087	-2.816	-0.201
	90	- CTL	150	1.6667	0.867	28.0	1.9215	0.411	0.974	1.1094	-0.112	2.330
		- VDD	60	-1.3333	0.910	28.0	-1.4656	0.688	1.000	0.8875	-0.376	2.151
		- VDD	90	1.0000	0.867	28.0	1.1529	0.855	1.000	0.6656	-0.531	1.862
		- VDD	150	0.0667	0.910	28.0	0.0733	1.000	1.000	0.0444	-1.196	1.285
		- VDD	60	-3.0000	0.910	28.0	-3.2977	0.029	0.040	1.9968	0.641	3.352
VDD	150	- VDD	90	-0.6667	0.867	28.0	-0.7686	0.971	1.000	0.4437	-0.745	1.633
		- VDD	150	-1.6000	0.910	28.0	-1.7588	0.507	1.000	-1.0650	-2.339	0.209
	60	- VDD	90	2.3333	0.910	28.0	2.5648	0.140	0.240	1.5531	0.242	2.864
		- VDD	150	1.4000	0.950	28.0	1.4734	0.683	1.000	0.9319	-0.389	2.252
	90	- VDD	150	-0.9333	0.910	28.0	-1.0259	0.905	1.000	-0.6212	-1.873	0.631

Note. Comparisons are based on estimated marginal means

Principal Component Analysis

Component Loadings

	Component			Uniqueness
	1	2	3	
Tertiary follicle	0.841			0.260
Duration	-0.757			0.207
Graffian follicle	0.753			0.407
Primary follicle	0.696			0.382
secondary follicle				0.723
Atretic follicle		0.949		0.180
Diet		0.557		0.253
CL			0.955	0.161

Note. 'promax' rotation was used
[6]

Component Statistics

Summary

Component	SS Loadings	% of Variance	Cumulative %
1	2.74	34.3	34.3
2	1.46	18.3	52.6
3	1.22	15.3	67.8

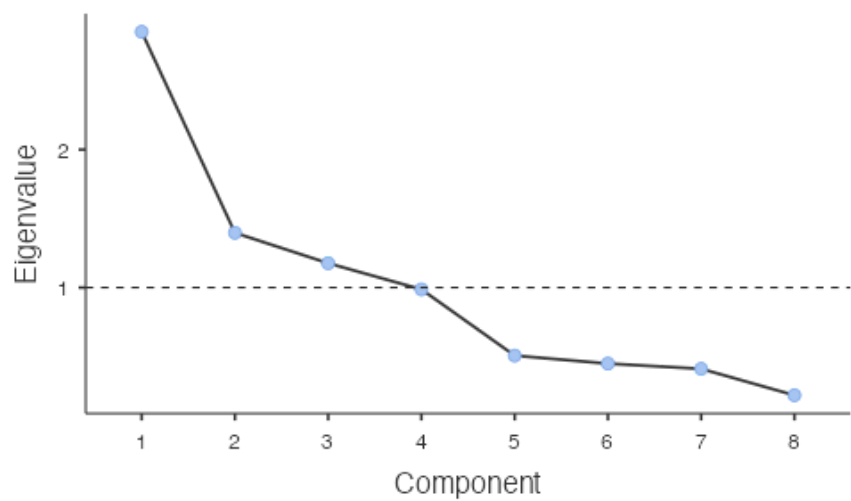
Inter-Component Correlations			
	1	2	3
1	—	-0.155	-0.0747
2		—	0.2824
3			—

Assumption Checks

Bartlett's Test of Sphericity		
χ^2	df	p
69.5	28	<.001

Eigenvalues

Scree Plot



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Independent Samples T-Test

Independent Samples T-Test

						95% Confidence Interval				95% Confidence Interval	
		Statistic	p	Mean difference	SE difference	Lower	Upper		Effect Size	Lower	Upper
P1 reactivity	Mann-Whitney U	2.00	0.400	-0.890		-1.133	0.18400	Rank biserial correlation	0.556		
Duration	Mann-Whitney U	4.50	1.000	0.000		-90	90	Rank biserial correlation	0.000		
P2 reactivity	Mann-Whitney U	1.00	0.200	-0.411		-0.693	0.00600	Rank biserial correlation	0.778		

Note. $H_a: \mu_{CTL} \neq \mu_{VDD}$

Assumptions

Normality Test (Shapiro-Wilk)

	W	p
P1 reactivity	0.917	0.485
Duration	0.823	0.093
P2 reactivity	0.929	0.573

Note. A low p-value suggests a violation of the assumption of normality

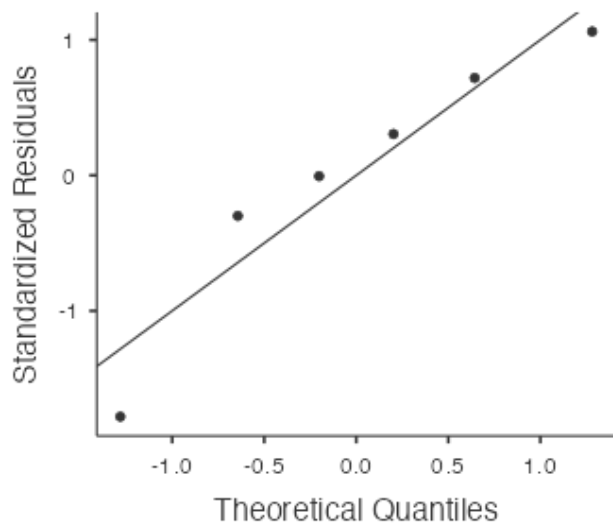
Homogeneity of Variances Test (Levene's)

	F	df	df2	p
P1 reactivity	8.988	1	4	0.040
Duration	0.000	1	4	1.000
P2 reactivity	0.787	1	4	0.425

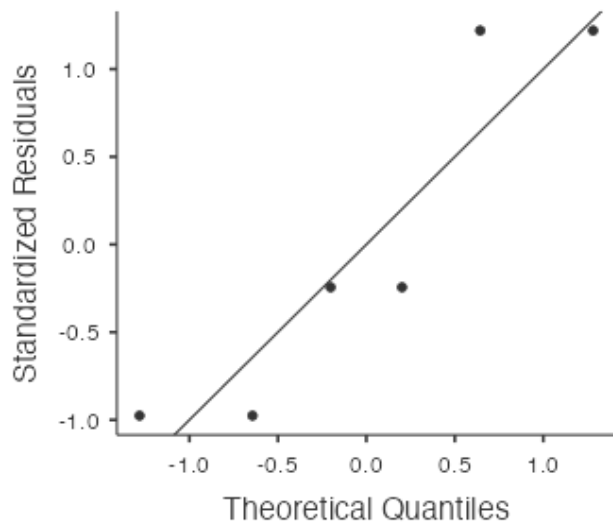
Note. A low p-value suggests a violation of the assumption of equal variances

Plots

P1 reactivity



Duration



P2 reactivity

