

ONLINE APPEDICES

Appendix A. Two-way analysis of variance of gland sizes across age categories by gender.

Width	<i>(Lavene's test: p=0.19; adjusted R²=0.22)</i>	Sum of squares	Degrees of freedom	of	Mean square	F	P value
Gender		3.70	1		3.70	1.03	0.31
Age		253.20	4		63.30	17.56	<0.0001
Gender*age		26.00	4		6.50	1.80	0.13
Within (error)		800.12	222		3.60		
Total		11929.39	232				
Height	<i>(Lavene's test: p=0.24; adjusted R²=0.12)</i>	Sum of squares	Degrees of freedom	of	Mean square	F	P value
Gender		0.26	1		.26	.13	0.72
Age		66.25	4		16.56	8.60	<0.0001
Gender*age		13.96	4		3.49	1.81	0.13
Within (error)		427.39	222		1.93		
Total		5174.51	232				
Area†	<i>(Lavene's test: p=0.40; adjusted R²=0.25)</i>	Sum of squares	Degrees of freedom	of	Mean square	F	P value
Gender		0.06	1		0.06	0.23	0.63
Age		20.21	4		5.05	20.06	<0.0001
Gender*age		1.66	4		0.41	1.64	0.16
Within (error)		55.91	222		0.25		
Total		2287.71	232				
Cyst size‡	<i>(Lavene's test: p=0.38; adjusted R²=0.13)</i>	Sum of squares	Degrees of freedom	of	Mean square	F	P value
Gender		4.60	1		4.60	.732	0.39
Age		206.93	4		51.73	8.231	<0.0001
Gender*age		80.51	4		20.13	3.202	0.014
Within (error)		1395.25	222		6.28		
Total		6613.07	232				

†Log transformed to meet the homoscedasticity assumption. ‡Maximum diameter of the cyst(s) within the pineal gland.