

Organ weight Ellegaard Göttingen Minipigs 2009

Absolute (g) and relative (% of body weight) organ weight

Group mean values

Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
BODY WT, kg	Mean	4.3	3.9	14.2	14.6
	S.D.	0.9	0.7	1.6	2.2
	Min	2.2	2.5	11.2	11.6
	Max	6.1	5.3	17.4	19.8
	N	23	20	20	20
Adrenals	Mean	0.461	0.444	1.133	1.130
	S.D.	0.064	0.082	0.185	0.183
	Min	0.350	0.322	0.892	0.774
	Max	0.572	0.647	1.574	1.402
	N	23	20	20	20
Adrenals, rel	Mean	0.0113	0.0114	0.0081	0.0079
	S.D.	0.0031	0.0013	0.0014	0.0016
	Min	0.0068	0.0093	0.0057	0.0052
	Max	0.0216	0.0138	0.0101	0.0115
	N	23	20	20	20

S.D. = standard deviation N = number of animals

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Brain	Mean	43.36	43.06	62.34	62.32
	S.D.	3.52	2.36	4.08	3.12
	Min	34.34	38.82	54.81	54.67
	Max	49.98	47.67	68.92	68.43
	N	23	20	20	20
Brain, rel	Mean	1.052	1.131	0.445	0.434
	S.D.	0.194	0.190	0.061	0.064
	Min	0.754	0.861	0.361	0.309
	Max	1.561	1.661	0.608	0.561
	N	23	20	20	20
Epididymides	Mean	4.24		20.98	
	S.D.	1.33		3.98	
	Min	2.06		14.26	
	Max	7.31		32.63	
	N	23		20	

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Epididymides, rel	Mean	0.098		0.149	
	S.D.	0.017		0.027	
	Min	0.063		0.110	
	Max	0.120		0.230	
	N	23		20	
Eyes	Mean	5.38	5.18	9.16	8.95
	S.D.	0.39	0.36	0.69	0.64
	Min	4.49	4.64	8.24	7.89
	Max	5.88	5.95	11.16	10.07
	N	23	20	20	20
Eyes, rel	Mean	0.131	0.136	0.065	0.063
	S.D.	0.026	0.022	0.009	0.010
	Min	0.090	0.102	0.053	0.045
	Max	0.204	0.190	0.086	0.083
	N	23	20	20	20

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Heart	Mean	22.60	19.63	73.72	59.76
	S.D.	4.12	3.51	5.85	8.98
	Min	12.38	13.58	67.05	42.22
	Max	29.63	27.10	83.57	78.19
	N	23	20	20	20
Heart, rel	Mean	0.534	0.504	0.524	0.412
	S.D.	0.047	0.045	0.050	0.056
	Min	0.461	0.418	0.402	0.345
	Max	0.630	0.601	0.606	0.567
	N	23	20	20	20
Kidneys	Mean	27.26	24.08	66.44	58.66
	S.D.	5.55	6.04	9.34	11.16
	Min	11.93	13.27	48.02	38.85
	Max	37.26	37.41	81.75	75.87
	N	23	20	20	20

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Kidneys, rel	Mean	0.640	0.611	0.470	0.401
	S.D.	0.052	0.064	0.060	0.048
	Min	0.542	0.456	0.399	0.318
	Max	0.735	0.720	0.599	0.483
	N	23	20	20	20
Liver	Mean	105.68	98.24	237.03	218.24
	S.D.	23.72	22.23	25.78	33.69
	Min	48.91	59.14	188.54	161.65
	Max	148.66	139.08	301.99	304.81
	N	23	20	20	20
Liver, rel	Mean	2.48	2.51	1.68	1.50
	S.D.	0.31	0.32	0.16	0.14
	Min	1.98	2.05	1.38	1.32
	Max	3.14	3.13	1.89	1.87
	N	23	20	20	20

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Lungs	Mean	40.24	35.59	80.39	78.04
	S.D.	7.54	6.88	6.23	12.49
	Min	20.46	22.83	64.92	59.14
	Max	53.37	49.77	91.67	108.35
	N	23	20	20	20
Lungs, rel	Mean	0.951	0.911	0.570	0.535
	S.D.	0.094	0.065	0.039	0.053
	Min	0.719	0.750	0.487	0.448
	Max	1.141	1.057	0.647	0.661
	N	23	20	20	20
Ovaries	Mean		0.05		2.08
	S.D.		0.02		1.08
	Min		0.02		0.85
	Max		0.10		4.81
	N		19		20

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Ovaries, rel	Mean		0.00124		0.01441
	S.D.		0.00051		0.00745
	Min		0.00065		0.00624
	Max		0.00235		0.03204
	N		19		20
Parathyroids	Mean	0.007	0.007	0.051	0.029
	S.D.	0.003	0.005	0.043	0.011
	Min	0.003	0.002	0.021	0.006
	Max	0.017	0.021	0.143	0.047
	N	23	20	15	19
Parathyroids, rel	Mean	0.000177	0.000184	0.000359	0.000197
	S.D.	0.000100	0.000097	0.000305	0.000077
	Min	0.000070	0.000060	0.000140	0.000050
	Max	0.000450	0.000440	0.001140	0.000340
	N	23	20	15	19

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Pituitary	Mean	0.040	0.043	0.095	0.100
	S.D.	0.007	0.006	0.018	0.017
	Min	0.028	0.031	0.062	0.072
	Max	0.057	0.054	0.150	0.137
	N	23	20	20	20
Pituitary, rel	Mean	0.000961	0.001120	0.000679	0.000689
	S.D.	0.000143	0.000205	0.000148	0.000122
	Min	0.000774	0.000824	0.000449	0.000543
	Max	0.001273	0.001520	0.001056	0.000975
	N	23	20	20	20
Prostate	Mean	2.08		11.73	
	S.D.	1.04		3.83	
	Min	0.68		6.85	
	Max	4.32		20.86	
	N	23		20	

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Prostate, rel	Mean	0.0471		0.0836	
	S.D.	0.0177		0.0282	
	Min	0.0244		0.0514	
	Max	0.0942		0.1469	
	N	23		20	
Spleen	Mean	8.36	7.98	22.29	20.58
	S.D.	1.95	2.37	4.01	4.26
	Min	4.94	3.80	14.94	12.42
	Max	12.54	12.22	29.43	30.19
	N	23	20	20	20
Spleen, rel	Mean	0.198	0.202	0.158	0.141
	S.D.	0.037	0.041	0.027	0.025
	Min	0.139	0.136	0.108	0.091
	Max	0.273	0.271	0.224	0.208
	N	23	20	20	20

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Testes	Mean	13.67		42.05	
	S.D.	4.28		8.44	
	Min	6.36		24.44	
	Max	21.53		56.62	
	N	23		20	
Testes, rel	Mean	0.318		0.298	
	S.D.	0.065		0.062	
	Min	0.200		0.188	
	Max	0.457		0.423	
	N	23		20	
Thyroid	Mean	0.294	0.265	0.982	0.971
	S.D.	0.091	0.069	0.479	0.202
	Min	0.183	0.142	0.578	0.678
	Max	0.544	0.386	2.802	1.422
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Thyroid, rel	Mean	0.00687	0.00681	0.00703	0.00667
	S.D.	0.00129	0.00165	0.00381	0.00123
	Min	0.00480	0.00450	0.00420	0.00499
	Max	0.00939	0.01170	0.02189	0.01027
	N	23	20	20	20
Uterus	Mean		1.63		83.04
	S.D.		0.61		57.45
	Min		0.90		12.76
	Max		3.82		180.16
	N		20		20
Uterus, rel	Mean		0.0421		0.5761
	S.D.		0.0153		0.3948
	Min		0.0247		0.0778
	Max		0.1006		1.2129
	N		20		20

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Parameter		8 Weeks		6 Months	
		Males	Females	Males	Females
Age in days	Mean	61	57	198	191
	S.D.	4	3	11	10
	Min	55	52	183	170
	Max	65	61	235	209
	N	23	20	20	20

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