

P59 Table 6-1 Organ weight in male microminipigs

Group	Animal No	Pituit. mg	Thyr.R g	Adre.R g	Adre.L g	Adre.R&L g	Test.R g	Test.L g	Test.R&L g	Thymus g	Spleen g	Brain g	Heart g
1	1	80	1.34	0.60	0.63	1.23	16.8	18.9	35.7	6.2	29.6	60.5	44.4
	2	79	0.49	0.43	0.40	0.83	13.9	14.8	28.7	5.0	62.4	57.7	36.5
	3	64	0.73	0.45	0.51	0.96	18.2	17.6	35.8	12.6	49.7	52.7	40.9
	5	50	0.56	0.37	0.33	0.70	17.0	17.1	34.1	3.3	11.5	52.6	33.0
	Mean	68.3	0.78	0.463	0.468	0.93	16.48	17.10	33.58	6.78	38.30	55.88	38.70
	±S.D.	14.2	0.387	0.098	0.131	0.226	1.82	1.71	3.34	4.06	22.40	3.90	4.99
2	6	70	0.67	0.42	0.45	0.87	20.0	24.7	44.7	3.7	71.0	60.2	41.2
	7	70	0.82	0.45	0.41	0.86	20.6	23.1	43.7	4.2	36.2	55.9	38.6
	8	69	0.64	0.35	0.49	0.84	22.3	22.4	44.7	15.0	59.8	59.1	42.6
	9	75	1.04	0.46	0.52	0.98	20.5	21.7	42.2	14.5	104.6	52.6	44.6
	10	79	1.05	0.60	0.46	1.06	21.5	24.2	45.7	13.5	50.8	55.5	56.9
	Mean	72.6	0.844	0.456	0.466	0.922	20.98**	23.22**	44.20**	10.18	64.48	56.66	44.78
	±S.D.	4.3	0.196	0.091	0.042	0.094	0.91	1.24	1.32	5.72	25.79	3.04	7.12
3	11	67	0.86	0.43	0.44	0.87	13.2	14.5	27.7	9.1	29.9	61.4	38.6
	12	79	0.97	0.55	0.45	1.00	22.2	21.1	43.3	10.0	31.2	59.8	41.1
	13	82	1.45	0.52	0.51	1.03	26.6	26.2	52.8	2.3	91.7	52.6	48.2
	14	74	1.11	0.50	0.51	1.01	19.1	20.6	39.7	17.7	82.4	61.0	54.6
	15	59	0.79	0.41	0.42	0.83	25.5	28.4	53.9	9.1	84.0	50.9	36.4
	Mean	72.2	1.036	0.482	0.466	0.948	21.32	22.16	43.48	9.64	63.84	57.14	43.78
	±S.D.	9.3	0.261	0.06	0.042	0.091	5.41	5.42	10.71	5.47	30.60	4.99	7.50
4	16	72	1.29	0.66	0.68	1.34	24.1	29.1	53.2	6.5	55.0	58.8	57.1
	17	63	0.62	0.31	0.37	0.68	20.9	21.4	42.3	3.2	67.0	63.2	44.6
	18	63	0.58	0.46	0.48	0.94	21.6	19.3	40.9	3.0	77.8	61.7	41.7
	19	65	0.64	0.59	0.56	1.15	15.2	16.6	31.8	26.8	53.2	55.1	41.7
	20	73	0.87	0.49	0.52	1.01	20.7	22.0	42.7	13.2	31.8	57.2	48.6
	Mean	67.2	0.8	0.502	0.522	1.024	20.50	21.68	42.18	10.54	56.96	59.20	46.74
	±S.D.	4.9	0.296	0.134	0.113	0.246	3.26	4.66	7.60	9.98	17.22	3.29	6.45
5	21	80	0.87	0.60	0.60	1.20	25.3	26.3	51.6	5.4	63.7	54.4	53.7
	22	70	0.92	0.69	0.74	1.43	11.8	13.4	25.2	4.8	51.6	49.3	36.4
	23	79	1.19	0.59	0.50	1.09	27.8	30.1	57.9	12.0	75.0	55.6	55.0
	24	72	1.08	0.56	0.54	1.10	19.5	19.5	39.0	4.2	38.9	53.4	38.4
	25	70	0.93	0.73	0.70	1.43	17.0	17.5	34.5	7.7	66.6	49.9	37.0
	Mean	74.2	0.998	0.634*	0.616	1.250*	20.28	21.36	41.64	6.82	59.16	52.52	44.10
	±S.D.	4.9	0.133	0.072	0.102	0.17	6.42	6.75	13.15	3.18	14.09	2.79	9.40

Notes) Pituit. : Pituitary      Thyr.R : Thyroid (Right)      Adre.R : Adrenal (Right)  
 Adre.L : Adrenal (Left)      Adre.R&L : Adrenal (Right&Left)      Test.R : Testis (Right)  
 Test.L : Testis (Left)      Test.R&L : Testis (Right&Left)  
 \* P<0.05 , \*\* P<0.01 : Significantly different from control.

P60 Table 6-2 Organ weight in male microminipigs

Group	Animal No	Liver g	Kidn.R g	Kidn.L g	Kidn.R&L g	Epid.R g	Epid.L g	Epid.R&L g	Prost. g	Sem.V. g	Omentum g	Mes.adip. g
1	1	174.4	16.1	16.7	32.8	4.5	4.9	9.4	1.2	11.2	6.9	30.6
	2	133.5	19.7	20.1	39.8	6.2	5.9	12.1	2.0	16.5	4.6	22.6
	3	167.1	19.7	21.9	41.6	6.6	6.2	12.8	4.3	56.5	10.7	30.6
	5	84.1	10.6	10.4	21.0	5.7	6.1	11.8	1.1	11.4	1.3	9.8
	Mean	139.78	16.53	17.28	33.80	5.75	5.78	11.53	2.15	23.90	5.88	23.40
	±S.D.	41.17	4.30	5.07	9.34	0.91	0.60	1.48	1.49	21.87	3.95	9.82
2	6	135.4	16.5	17.2	33.7	6.4	6.8	13.2	1.1	22.6	13.0	42.4
	7	144.3	17.9	18.5	36.4	6.7	6.8	13.5	2.2	62.2	22.1	55.5
	8	167.5	19.3	18.9	38.2	7.7	7.8	15.5	1.2	16.3	6.7	21.9
	9	152.4	15.8	15.6	31.4	7.3	7.6	14.9	3.4	42.6	18.7	36.8
	10	173.9	26.0	25.7	51.7	8.0	8.8	16.8	1.4	60.2	19.8	36.4
	Mean	154.70	19.10	19.18	38.28	7.22*	7.56**	14.78	1.86	40.78	16.06*	38.60
	±S.D.	15.96	4.08	3.87	7.94	0.67	0.83	1.48	0.96	21.03	6.21	12.11
3	11	145.9	14.7	15.0	29.7	4.8	4.7	9.5	1.5	9.5	15.5	39.8
	12	188.5	20.5	22.4	42.9	8.1	8.9	17.0	3.9	46.1	15.8	37.0
	13	187.2	20.0	20.3	40.3	9.0	10.4	19.4	2.7	56.0	28.0	60.5
	14	264.2	27.3	26.8	54.1	7.6	7.6	15.2	2.9	54.9	30.2	62.4
	15	175.1	17.0	16.8	33.8	7.6	7.8	15.4	1.9	39.8	10.6	24.5
	Mean	192.18	19.90	20.26	40.16	7.42	7.88	15.30	2.58	41.26	20.02*	44.84
	±S.D.	43.76	4.76	4.66	9.38	1.57	2.10	3.65	0.93	18.96	8.58	16.23
4	16	263.0	23.1	25.0	48.1	6.5	7.0	13.5	1.5	11.8	40.0	98.1
	17	179.3	16.5	16.7	33.2	5.6	5.9	11.5	0.9	7.4	9.5	33.0
	18	190.6	14.4	14.8	29.2	4.6	4.4	9.0	0.6	6.6	10.8	27.9
	19	177.5	18.4	16.8	35.2	6.1	6.3	12.4	2.1	47.6	12.8	22.4
	20	191.8	20.7	20.9	41.6	7.2	7.7	14.9	3.9	84.7	16.0	31.4
	Mean	200.44*	18.62	18.84	37.46	6.00	6.26	12.26	1.80	31.62	17.82	42.56
	±S.D.	35.56	3.42	4.10	7.45	0.98	1.25	2.22	1.31	34.20	12.64	31.31
5	21	307.5	23.8	23.2	47.0	8.6	8.1	16.7	2.6	37.5	12.9	67.0
	22	255.7	21.1	21.7	42.8	3.4	3.7	7.1	1.6	9.3	9.9	42.9
	23	342.9	25.0	25.7	50.7	8.4	9.1	17.5	2.0	99.8	27.3	52.1
	24	219.7	18.2	17.4	35.6	7.6	7.6	15.2	2.6	32.4	27.1	68.9
	25	259.7	16.8	15.7	32.5	5.6	5.6	11.2	1.8	19.3	14.5	28.9
	Mean	277.10**	20.98	20.74	41.72	6.72	6.82	13.54	2.12	39.66	18.34*	51.96
	±S.D.	48.24	3.51	4.13	7.62	2.20	2.16	4.34	0.46	35.39	8.26	16.79

Notes) Kidn.R : Kidney (Right)    Kidn.L : Kidney (Left)    Kidn.R&L : Kidney (Right&Left)  
 Epid.R : Epididymis (Right)    Epid.L : Epididymis (Left)    Epid.R&L : Epididymis (Right&Left)  
 Prost. : Prostate    Sem.V. : Seminal vesicle    Omentum : Omentum  
 Mes.adip. : Mesenteric adipose tissue    \* P<0.05 , \*\* P<0.01 : Significantly different from control.



P62 Table 6-4 Organ weight in male microminipigs (Interim death)

Group	Animal Nc	Liver g	Kidn.R g	Kidn.L g	Kidn.R&L g	Epid.R g	Epid.L g	Epid.R&L g	Prost. g	Sem.V. g	Omentum g	Mes.adip. g
1	4	144.1	17.5	18.2	35.7	5.7	5.9	11.6	2.9	29.1	2.9	6.5

Notes) Kidn.R : Kidney (Right)      Kidn.L : Kidney (Left)      Kidn.R&L : Kidney (Right&Left)  
 Epid.R : Epididymis (Right)      Epid.L : Epididymis (Left)      Epid.R&L : Epididymis (Right&Left)  
 Prost. : Prostate      Sem.V. : Seminal vesicle      Omentum : Omentum  
 Mes.adip. : Mesenteric adipose tissue (including mesenteric lymph node)



P64 Table 6-6 Relative organ weight in male microminipigs

Group	Animal No.	Liver g	Kidn.R g	Kidn.L g	Kidn.R&L g	Epid.R g	Epid.L g	Epid.R&L g	Prost. g	Sem.V. g	Omentum g	Mes.adip. g
1	1	16.61	1.53	1.59	3.12	0.43	0.47	0.90	0.11	1.1	0.7	2.9
	2	19.07	2.81	2.87	5.69	0.89	0.84	1.73	0.29	2.4	0.7	3.2
	3	22.89	2.70	3.00	5.70	0.90	0.85	1.75	0.59	7.7	1.5	4.2
	5	16.17	2.04	2.00	4.04	1.10	1.17	2.27	0.21	2.2	0.3	1.9
	Mean	18.685	2.270	2.365	4.638	0.830	0.833	1.663	0.300	3.35	0.80	3.05
	±S.D.	3.080	0.599	0.681	1.278	0.284	0.286	0.566	0.207	2.96	0.50	0.95
2	6	15.56	1.90	1.98	3.87	0.74	0.78	1.52	0.13	2.6	1.5	4.9
	7	16.40	2.03	2.10	4.14	0.76	0.77	1.53	0.25	7.1	2.5	6.3
	8	19.71	2.27	2.22	4.49	0.91	0.92	1.82	0.14	1.9	0.8	2.6
	9	18.36	1.90	1.88	3.78	0.88	0.92	1.80	0.41	5.1	2.3	4.4
	10	15.81	2.36	2.34	4.70	0.73	0.80	1.53	0.13	5.5	1.8	3.3
	Mean	17.168	2.092	2.104	4.196	0.804	0.838	1.640	0.212	4.44	1.78*	4.30
±S.D.	1.796	0.213	0.184	0.395	0.084	0.076	0.155	0.122	2.15	0.68	1.44	
3	11	16.97	1.71	1.74	3.45	0.56	0.55	1.10	0.17	1.1	1.8	4.6
	12	20.94	2.28	2.49	4.77	0.90	0.99	1.89	0.43	5.1	1.8	4.1
	13	15.86	1.69	1.72	3.42	0.76	0.88	1.64	0.23	4.7	2.4	5.1
	14	21.14	2.18	2.14	4.33	0.61	0.61	1.22	0.23	4.4	2.4	5.0
	15	23.04	2.24	2.21	4.45	1.00	1.03	2.03	0.25	5.2	1.4	3.2
	Mean	19.590	2.020	2.060	4.084	0.766	0.812	1.576	0.262	4.10	1.96**	4.40
±S.D.	3.037	0.294	0.329	0.614	0.187	0.220	0.407	0.099	1.71	0.43	0.78	
4	16	20.71	1.82	1.97	3.79	0.51	0.55	1.06	0.12	0.9	3.1	7.7
	17	19.07	1.76	1.78	3.53	0.60	0.63	1.22	0.10	0.8	1.0	3.5
	18	23.83	1.80	1.85	3.65	0.58	0.55	1.13	0.08	0.8	1.4	3.5
	19	22.76	2.36	2.15	4.51	0.78	0.81	1.59	0.27	6.1	1.6	2.9
	20	21.31	2.30	2.32	4.62	0.80	0.86	1.66	0.43	9.4	1.8	3.5
	Mean	21.536	2.008	2.014	4.020	0.654	0.680	1.332	0.200	3.60	1.78	4.22
±S.D.	1.842	0.295	0.221	0.507	0.129	0.146	0.275	0.149	3.96	0.79	1.96	
5	21	23.12	1.79	1.74	3.53	0.65	0.61	1.26	0.20	2.8	1.0	5.0
	22	33.21	2.74	2.82	5.56	0.44	0.48	0.92	0.21	1.2	1.3	5.6
	23	30.08	2.19	2.25	4.45	0.74	0.80	1.54	0.18	8.8	2.4	4.6
	24	25.85	2.14	2.05	4.19	0.89	0.89	1.79	0.31	3.8	3.2	8.1
	25	36.07	2.33	2.18	4.51	0.78	0.78	1.56	0.25	2.7	2.0	4.0
	Mean	29.666**	2.238	2.208	4.448	0.700	0.712	1.414	0.230	3.86	1.98*	5.46*
±S.D.	5.271	0.344	0.394	0.733	0.169	0.165	0.334	0.051	2.91	0.88	1.59	

Notes) Kidn.R : Kidney (Right)      Kidn.L : Kidney (Left)      Kidn.R&L : Kidney (Right&Left)  
 Epid.R : Epididymis (Right)      Epid.L : Epididymis (Left)      Epid.R&L : Epididymis (Right&Left)  
 Prost. : Prostate      Sem.V. : Seminal vesicle      Omentum : Omentum  
 Mes.adip. : Mesenteric adipose tissue      \* P<0.05 , \*\* P<0.01 : Significantly different from control.

P65 Table 6-7 Relative organ weight in male microminipigs (Interim death)

Group	Animal No	B.W. kg	Pituit. mg	Thyr.R g	Adre.R g	Adre.L g	Adre.R&L g	Test.R g	Test.L g	Test.R&L g	Thymus g	Spleen g	Brain g	Heart g
1	4	(6.0)	12.2	0.105	0.087	0.092	0.178	3.03	3.23	6.27	1.00	1.82	7.53	6.68

Notes) Pituit. : Pituitary  
 Adre.L : Adrenal (Left)  
 Test.L : Testis (Left)  
 Thyr.R : Thyroid (Right)  
 Adre.R&L : Adrenal (Right&Left)  
 Test.R&L : Testis (Right&Left)  
 Adre.R : Adrenal (Right)  
 Test.R : Testis (Right)

P66 Table 6-8 Relative organ weight in male microminipigs (Interim death)

Group	Animal No.	Liver g	Kidn.R g	Kidn.L g	Kidn.R&L g	Epid.R g	Epid.L g	Epid.R&L g	Prost. g	Sem.V. g	Omentum g	Mes.adip. g
1	4	24.02	2.92	3.03	5.95	0.95	0.98	1.93	0.48	4.9	0.5	1.1

Notes) Kidn.R : Kidney (Right)                      Kidn.L : Kidney (Left)                      Kidn.R&L : Kidney (Right&Left)  
 Epid.R : Epididymis (Right)                      Epid.L : Epididymis (Left)                      Epid.R&L : Epididymis (Right&Left)  
 Prost. : Prostate                      Sem.V. : Seminal vesicle                      Omentum : Omentum  
 Mes.adip. : Mesenteric adipose tissue (including mesenteric lymph node)



