

Supplementary Table 3. Blood biochemical parameters

	Blank 8mm microrods	Blank 16mm microrods	40% Prednisolone Acetate 8mm microrods	40% Prednisolone Acetate 16mm microrods	P values*
Before implantation					
Na	142.1 ±1.57	144.3 ±2.93	146.20 ±0.85	142.77 ±1.75	0.43
K	4.73 ±0.56	5.35 ±0.16	5.31 ±0.23	4.69 ±0.23	0.26
Cl	109 ±3.61	108.33 ±1.53	109.67 ±2.08	106.33 ±2.08	0.58
Ca	10.0 ±0.4	10.19 ±0.25	10.06 ±0.68	9.75 ±0.13	0.53
P	4.89 ±0.8	5.14 ±0.53	4.64 ±1.14	5.01 ±0.99	0.47
ALP	320.67 ±72.00	313 ±47.70	309.00 ±83.11	236.33 ±75.66	0.26
ALT	44.33 ±15.57	48.33 ±12.10	50.00 ±7.00	33.67 ±5.13	0.37
AST	82 ±15.39	80.33 ±39.25	61.00 ±7.55	55.00 ±6.00	0.21
LDH	972.67 ±428.09	839.33 ±336.26	626.67 ±122.01	718.67 ±190.96	0.18
CK	1160.00 ±517.92	2131.67 ±1621.09	1167.00 ±421.38	1266.67 ±337.65	0.15
BUN	19.33 ±1.15	18.67 ±1.53	17.33 ±3.21	21.00 ±3.61	0.40
Glucose	51.00 ±9.64	66.33 ±12.10	72.67 ±7.09	58.33 ±5.86	0.18
Cholesterol	115.33 ±32.75	125.33 ±25.50	116.33 ±13.58	129.00 ±31.05	0.21
Triglycerol	37.67 ±10.60	34.67 ±5.51	47 ±17.09	43.00 ±13.53	0.28
Creatinine	0.5 ±0.14	0.06 ±0.09	0.66 ±0.13	0.61 ±0.11	0.36
Total protein	6.85 ±0.50	6.96 ±0.02	6.58 ±0.21	7.07 ±0.14	0.59
Albumin (Alb)	3.87 ±0.13	4.01 ±0.14	3.81 ±0.28	4.16 ±0.18	0.55
Globulin (G)	2.98 ±0.42	2.95 ±0.13	2.78 ±0.10	2.91 ±0.19	0.66
Alb:G	1.31 ±0.17	1.37 ±0.11	1.38 ±0.14	1.43 ±0.15	0.79
Total bilirubin	0.33 ±0.13	0.16 ±0.09	0.14 ±0.04	0.14 ±0.02	0.59
12 weeks after implantation					
Na	142.93 ±1.50	145.03 ±2.05	153.23 ±1.23	143.57 ±0.87	0.33
K	5.06 ±0.24	5.29 ±0.21	5.77 ±0.33	5.19 ±0.24	0.42
Cl	104.67 ±4.51	105.33 ±3.21	109.33 ±1.15	107.67 ±2.52	0.49
Ca	10.20 ±0.13	10.23 ±0.38	10.47 ±0.45	10.07 ±0.09	0.75
P	5.94 ±0.86	5.37 ±0.33	6.72 ±0.85	4.64 ±1.50	0.51
ALP	310.33 ±109.46	286.67 ±27.15	341.33 ±119.27	220.33 ±29.26	0.28
ALT	27.33 ±6.66	28.00 ±3.61	37.67 ±4.62	24.67 ±1.53	0.27
AST	39.67 ±14.57	28.67 ±3.79	30.33 ±6.35	32.00 ±2.65	0.19
LDH	593.67 ±286.64	565.33 ±132.39	379.67 ±11.85	534.67 ±113.61	0.14

CK	166.67 ±50.93	115.67 ±7.64	29.001 ±30.00	119.00 ±37.64	0.17
BUN	21 ±7.00	20.33 ±6.66	15.67 ±2.52	16.33 ±5.69	0.47
Glucose	71.65±10.44	67.01 ±4.36	78.67 ±18.15	77.67 ±5.51	0.39
Cholesterol	125.33 ±37.61	135.33 ±24.68	142.67 ±23.16	133.33 ±21.94	0.28
Triglycerol	40.33 ±4.16	47.33 ±18.34	49.00 ±6.56	85.67 ±81.33	0.54
Creatinine	0.49 ±0.05	0.59 ±0.10	0.76 ±0.06	0.59 ±0.05	0.56
Total protein	6.54 ±0.18	6.51 ±0.23	6.82 ±0.38	6.92 ±0.43	0.60
Albumin (Alb)	4.83 ±1.32	3.99 ±0.07	4.27 ±0.26	4.17 ±0.51	0.41
Globulin (G)	2.61 ±0.27	2.52 ±0.20	2.55 ±0.16	2.74 ±0.22	0.78
Alb:G	1.52 ±0.24	1.59 ±0.12	1.68 ±0.09	1.54 ±0.27	0.66
Total bilirubin	0.12 ±0.03	0.11 ±0.04	0.16 ±0.04	0.07 ±0.03	0.73

* Comparisons across 4 groups

ALP: alkaline phosphatase, ALT: alanine aminotransferase, AST: aspartate aminotransferase, LDH: lactate dehydrogenase, CK: *creatine kinase*, BUN: *blood urea nitrogen*