

Appendix -3 : Individual data on lipid changes in brain and spinal cord during thiamine deficiency

rat no.	body weight (g)	weight		cholesterol		galactolipids		phospholipids		gangliosides	
		brain (g)	sp.cord (mg)	brain	sp.cord	brain	sp.cord	brain	sp.cord	brain	sp.cord
1	2	3	4	5	6	7	8	9	10	11	12
CONTROL (C) GROUP											
1	44	1.440	172	14.4	27.3	5.60	24.2	35.7	61.6	685	307
2	42	1.382	171	14.4	27.9	6.64	23.9	35.4	59.7	-	300
3	45	1.420	160	16.7	26.4	-	25.2	-	62.5	807	297
4	55	1.485	170	16.4	25.7	6.64	23.5	35.1	59.0	684	357
5	49	1.440	173	16.8	28.0	6.71	26.2	34.5	59.7	-	309
6	58	1.510	185	14.2	27.6	6.82	25.1	34.7	58.1	768	282
7	45	1.445	150	14.9	27.7	7.48	-	37.3	56.9	604	324
PAIR FED CONTROL (PFC) GROUP											
8	20	1.195	127	12.4	21.6	5.26	20.4	33.5	45.0	760	352
9	23	1.255	142	12.0	23.2	5.41	21.7	29.1	48.6	690	326
10	19	1.152	132	13.3	23.1	5.45	20.1	32.6	49.4	717	328
11	19	1.210	120	12.8	24.3	4.27	20.7	28.9	47.0	641	328

contd...

Appendix - 3 (contd.)

1	2	3	4	5	6	7	8	9	10	11	12
THIAMINE DEFICIENT (TD) GROUP											
12	19	1.220	100	14.7	25.5	5.77	19.6	32.7	49.3	719	326
13	16	1.115	105	14.7	23.9	4.30	-	32.6	-	750	333
14	17	1.110	85	13.3	27.0	4.54	20.1	29.3	46.0	701	369
15	16	1.070	110	15.0	26.0	4.67	22.5	33.0	48.7	-	371
16	15	1.037	112	14.1	24.5	5.60	19.8	31.7	46.8	721	345
17	13	0.915	100	13.7	27.5	4.41	21.6	-	46.9	713	336
18	19	1.085	115	14.9	27.5	-	20.9	30.9	47.6	787	296
19	16	1.120	118	14.9	26.1	4.54	21.3	31.7	48.3	759	342

Appendix - 3(a) : Individual data on changes in phospholipids in brain and spinal cord with thiamine deficiency.

rat no.	plasmalogens		EPG		CPG		SM		SPG + IPG	
	brain	sp.cord	brain	sp.cord	brain	sp.cord	brain	sp.cord	brain	sp.cord
1	2	3	4	5	6	7	8	9	10	11
CONTROL (C) GROUP										
1	5.01	12.7	11.2	22.0	12.8	21.0	2.04	4.88	4.67	9.01
2	5.37	14.3	11.8	22.0	12.9	20.7	2.01	4.89	4.32	9.19
3	5.37	12.8	10.4	21.6	14.3	18.6	1.78	4.81	4.28	8.25
4	5.82	12.7	12.2	20.7	12.8	18.5	2.07	4.47	4.60	8.30
5	5.06	12.0	12.6	22.7	12.6	19.2	1.76	4.35	4.00	8.81
6	5.72	12.1	12.8	20.8	14.2	-	1.96	4.43	4.26	8.38
7	5.77	13.2	13.1	21.7	13.7	20.9	2.04	5.57	4.40	8.77
PAIR FED CONTROL (PFC) GROUP										
8	5.27	9.75	11.7	17.0	13.3	17.0	2.02	4.67	4.46	7.56
9	5.13	9.90	9.51	19.4	12.3	16.8	1.78	4.83	4.24	8.28
10	5.15	8.55	11.8	15.4	14.0	16.2	1.57	4.35	3.64	7.20
11	4.65	8.33	-	17.2	14.0	17.3	1.53	3.89	4.20	8.53

contd...

Appendix - 3(a) : contd.

1	2	3	4	5	6	7	8	9	10	11
THIAMINE DEFICIENCY (TD) GROUP										
13	4.98	11.0	9.68	16.0	14.1	10.2	1.01	3.88	2.61	7.10
14	4.70	10.5	10.8	15.5	12.5	18.0	1.86	3.03	4.84	7.40
15	4.52	9.50	10.2	16.0	13.1	17.8	1.00	3.91	4.04	8.66
16	4.92	9.18	12.2	15.4	14.5	16.0	1.95	4.59	4.18	8.59
17	5.01	9.68	10.4	16.6	12.8	18.3	1.88	4.07	4.14	9.07
18	4.24	7.13	9.53	18.1	12.0	17.0	2.10	4.70	4.24	8.90
19	4.73	7.23	9.46	17.7	13.0	16.9	1.89	4.56	4.20	9.28
20	5.10	7.23	10.8	17.4	13.1	18.3	1.72	4.10	4.61	10.0