

APPENDIX - II : INDIVIDUAL DATA ON POLYPI LEVELS IN THE RAT WHOLE BRAIN UNDER VARYING
CONDITIONS OF NUTRITIONAL STRESS.

Rat. number	Body weight (g)	Tissue weight (g)	PtdIns (4,5)P ₂		PtdIns4P	
			O.D. at 820 mμ	nmoles/g wet wt	O.D. at 820 mμ	nmoles/g wet wt.
1	2	3	4	5	6	7

UNDERNOURISHED - 21 DAYS - (L⁺)

HEADS FROZEN AT "0 MIN"

1	15.0	1.055	224; 200	136	130; 110	114
2	13.0	1.047	210; 200	142	116; 109	109
3	13.5	1.015	196; 236	143	100; 125	113
4	11.5	1.016	200; 216	154	112; 132	137
5	12.5	1.016	166; 178	128	128; 128	144
6	12.5	0.937	228; 220	183	126; 150	167
7	11.5	0.942	168; 176	220	130; 134	160

PolyPI levels of rats numbered (1-5) from appendix Ia and (71-74) from appendix Ib were taken as "0 min" controls (L⁺).

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APPENDIX - II : contd.

1	2	3	4	5	6	7
<u>HEADS FROZEN AT - 1 MIN</u>						
8	12.5	1.054	113; 125	76	118; 90	99
9	13.0	1.095	137; 107	75	105; 95	93
10	11.5	1.074	100; 124	80	124; 116	126
11	12.5	1.090	114; 126	84	90; 90	93
12	13.0	1.082	140; 132	96	114; 130	129
PolyPI levels of rats numbered (6-10) from appendix Ia and (75-78) from appendix Ib were taken as 1 min controls (L ⁺).						
CONTROL - 63 DAYS - L ⁺ P ⁺						
<u>HEADS FROZEN AT "0 MIN"</u>						
13	144	1.700	354; 382	372	152; 178	251
14	120	1.570	342; 396	405	174; 188	298
15	129	1.570	448; 430	481	142; 164	251
16	121	1.580	414; 390	437	135; 125	211
<u>HEADS FROZEN AT - 1 MIN</u>						
17	172	1.580	290	316	101	165
18	155	1.620	310	329	129	206
19	157	1.600	260	281	118	190
20	132	1.570	254	279	141	232

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APPENDIX - II : contd.

1	2	3	4	5	6	7
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UNDERNOURISHED - 63 DAYS L⁺P⁻

HEADS FROZEN AT "0 MIN"

21	46	1.252	250	344	122	252
22	51	1.370	300	376	128	240
23	40	1.290	272	362	128	256
24	43	1.310	326	428	132	262

HEADS FROZEN AT 1 MIN

25	48	1.440	332	396	118	212
26	52	1.480	202	236	125	218
27	40	1.380	264	330	140	260
28	52	1.380	260	324	96	180

REHABILITATED - 63 DAYS - L⁻P⁺

HEADS FROZEN AT "0 MIN"

29	136.0	1.475	268; 248	313	128; 136	241
30	125.0	1.495	350; 384	440	194; 206	300
31	138.0	1.418	340; 354	439	146; 154	205
32	151.0	1.410	404; 396	508	160; 160	211

PolyPI levels of rats numbered (93-96) from appendix Ib were taken as "0 min" controls (L⁺P⁺)

APPENDIX - II : contd.

1	2	3	4	5	6	7
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HEADS FROZEN AT 1 MIN

33	119.0	1.410	282; 266	348	76; 76	145
34	130.0	1.588	332; 320	367	70; 70	120
35	118.0	1.310	278; 290	388	92; 100	197
36	124.0	1.332	216; 224	296	52; 56	109

PolyPI levels of rats numbered (97-100) from appendix Ib were taken as 1 min controls (L⁺P⁺)

CONTINUED - 63 DAYS - L⁻P⁻

HEADS FROZEN AT "0 MIN"

37	18.0	1.000	220; 228	161	106; 114	118
38	24.0	1.035	188; 176	126	146; 154	156
39	21.0	1.000	232; 260	176	160; 172	178
40	31.0	1.108	180; 196	121	154; 154	149
41	31.0	1.165	256; 244	167	114; 98	105
42	36.0	1.201	208; 200	131	160; 148	150

PolyPI levels of rats numbered (93-96) from appendix Ib were taken as "0 min" controls (L⁺P⁺)

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APPENDIX - II : contd.

1	2	3	4	5	6	7
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HEADS FROZEN AT 1 MIN

43	26.0	1.145	174; 158	104	94; 86	85
44	16.0	1.063	180; 192	125	102; 98	101
45	19.0	1.109	192; 204	128	146; 158	147
46	17.0	1.088	252; 228	158	96; 80	95
47	17.0	1.088	254; 282	177	112; 120	115

PolyPI levels of rats numbered (97-100) from appendix Ib were taken as 1 min controls
(L⁺P⁺)

"0 MIN" values represent 2 sec post-mortem levels.