

Post-Irradiation Treatment with a Superoxide Dismutase Mimic, MnTnHex-2-PyP⁵⁺, Mitigates Radiation Injury in the Lungs of Non-Human Primates after Whole-Thorax Exposure to Ionizing Radiation

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Supplemental Table S1: Serum chemistry values; mean and standard deviation are presented. 17 measurements were made across the study; baseline and 4-month time points (End) are shown.

Serum Analyte	Control Baseline (n = 3)	Hexyl Baseline (n = 3)	10 Gy Baseline (n = 5)	10 Gy + Hexyl Baseline (n = 5)	Control End (n = 3)	Hexyl End (n = 3)	10 Gy End (n = 5)	10 Gy + Hexyl End (n = 5)	Significant Group Effect (Tukey HSD)
Albumin mg/dL	4.5 +/- 0.1	4.4+/-0.4	4.4+/-0.1	4.4+/-0.3	4.5+/-0.1	4.3+/-0.2	3.7+/-0.3	3.9+/-0.2	none
ALP IU/L	771 +/- 163	543 +/- 136	537 +/- 114	413 +/- 144	821 +/- 212	543 +/- 123	439 +/- 140	429 +/- 80	none
ALT IU/L	46 +/- 18	37 +/- 2	38 +/- 9	49 +/- 23	42 +/- 20	39 +/- 13	46 +/- 20	67 +/- 40	none
Amylase IU/L	254 +/- 71	280 +/- 59	288 +/- 48	284 +/- 39	332 +/- 57	352 +/- 41	238 +/- 34	256 +/- 85	p < 0.01 (10 Gy vs Control and Hexyl)
AST IU/L	41 +/- 1	38 +/- 4	39 +/- 6	44 +/- 11	54 +/- 15	34 +/- 6	62 +/- 27	58 +/- 26	none
BUN mg/dL	17 +/- 2	22 +/- 3	20 +/- 2	18 +/- 2	21 +/- 1	21 +/- 4	20 +/- 5	19 +/- 4	none
Calcium mEq/L	9.9 +/- 0.4	9.4 +/- 0.3	9.2 +/- 0.2	9.3 +/- 0.3	9.1 +/- 0.5	9.3 +/- 0.3	9.4 +/- 0.4	9.4 +/- 0.3	none
Chloride mEq/L	107 +/- 2	107 +/- 1	109 +/- 2	109 +/- 4	106 +/- 3	108 +/- 1	104 +/- 2	105 +/- 4	p < 0.002 (10 Gy and 10 Gy + Hexyl vs Hexyl)
CPK IU/L	370 +/- 158	308 +/- 8	446 +/- 284	924 +/- 873	1124 +/- 1407	245 +/- 139	803 +/- 759	645 +/- 374	none
Cr mg/dL	0.6 +/- 0.1	0.5 +/- 0	0.5 +/- 0.1	0.5 +/- 0.1	0.6 +/- 0.1	0.5 +/- 0.1	0.5 +/- 0.1	0.6 +/- 0.1	none
GGT IU/L	88 +/- 11	99 +/- 9	79 +/- 7	73 +/- 8	93 +/- 21	99 +/- 6	60 +/- 17	83 +/- 6	p = 0.011 (10 Gy vs 10 Gy + Hexyl)
Globulin mg/dL	2.2 +/- 0.1	2.1 +/- 0.2	2.1 +/- 0.1	2.3 +/- 0.2	2.3 +/- 0.1	2.3 +/- 0.2	3.1 +/- 0.3	2.9 +/- 0.4	none
Glucose mg/dL	75 +/- 29	60 +/- 11	64 +/- 16	63 +/- 11	48 +/- 43	65 +/- 8	58 +/- 36	49 +/- 14	none
Lipase IU/L	22 +/- 3	21 +/- 5	22 +/- 12	26 +/- 11	67 +/- 52	25 +/- 12	12 +/- 5	28 +/- 25	none
Magnesium mEq/L	1.4 +/- 0.1	1.5 +/- 0.1	1.5 +/- 0.1	1.5 +/- 0.1	1.8 +/- 0.1	1.6 +/- 0.1	1.7 +/- 0.2	1.6 +/- 0.1	p < 0.01 (10 Gy vs Control and Hexyl)
Phosphorus mEq/L	5.3+/-0.6	5.2+/-1.0	6.2+/-1.0	6.0+/-0.8	6.2+/-0.8	5.7+/-0.1	6.1+/-0.9	6.1+/-0.7	none
Potassium mEq/L	3.6 +/- 0.3	3.5 +/- 0.3	3.6 +/- 0.3	3.7 +/- 0.4	4.7 +/- 1.5	3.7 +/- 0.3	4.6 +/- 1.1	3.9 +/- 0.5	none
Sodium mEq/L	144 +/- 1	144 +/- 1	145 +/- 2	147 +/- 1	147 +/- 4	146 +/- 1	145 +/- 1	145 +/- 3	none
Total Bilirubin mg/dL	0.2 +/- 0.1	0.2 +/- 0.1	0.3 +/- 0.1	0.3 +/- 0.1	0.3 +/- 0.1	0.3 +/- 0.1	0.3 +/- 0.1	0.3 +/- 0.1	none
TSP mg/dL	6.7 +/- 0.1	6.5 +/- 0.5	6.5 +/- 0.2	6.7 +/- 0.5	6.8 +/- 0	6.6 +/- 0.1	6.8 +/- 0.3	6.8 +/- 0.4	none

ALP, alkaline phosphatase; ALT, alanine aminotransferase; AST, aspartate aminotransferase; BUN, blood urea nitrogen; CPK, creatine phosphokinase; Cr, creatinine; GGT, gamma-glutamyl transferase; TSP, total serum protein.