

Supplementary materials

	GSTp1	Iron	Zinc	CRP	Ferritin	SOD3
Number (n)	29	29	29	29	29	29
Minimum	2.666	13.00	235.3	1.860	16.80	0.0810
Maximum	10.00	219.0	400.0	347.6	2881	5.550
Mean	7.748	58.52	274.2	101.6	536.6	1.994
Std. Deviation	2.077	40.56	33.31	100.4	641.2	1.590
Std. Error	0.3858	7.532	6.185	18.65	119.1	0.2953

Bonferroni's Multiple Comparison Test	Mean Diff.	t	P < 0.05	Summary	95% CI of diff
GSTp1 vs SOD3	5.754	0.08243	No	ns	-202.1 to 213.6
GSTp1 vs Iron	-50.77	0.7273	No	ns	-258.6 to 157.1
GSTp1 vs ZINC	-266.4	3.816	Yes	**	-474.3 to -58.54
GSTp1 vs CRP	-93.86	1.345	No	ns	-301.7 to 114.0
GSTp1 vs Ferritin	-528.9	7.576	Yes	***	-736.7 to -321.0
SOD3 vs Iron	-56.52	0.8097	No	ns	-264.4 to 151.3
SOD3 vs ZINC	-272.2	3.899	Yes	**	-480.0 to -64.29
SOD3 vs CRP	-99.61	1.427	No	ns	-307.5 to 108.3
SOD3 vs Ferritin	-534.6	7.659	Yes	***	-742.5 to -326.8

Abbreviations: SOD3- Super oxide dismutase, GSTp1- Glutathione s transferase, CRP- C-Reactive Protein.

Table S1: Column statistics and One-way ANOVA analysis of Diabetes mellitus as co-morbidity Vs anti oxidant and anti inflammatory parameters

	GSTp1	Iron	Zinc	CRP	Ferritin	SOD3
Number of values	11	11	11	11	11	11
Minimum	4.258	15.00	225.0	5.000	38.50	0.0640
Maximum	10.00	445.0	331.0	156.0	940.0	2.630
Mean	7.727	89.00	264.8	50.32	310.0	0.9700
Std. Deviation	1.692	121.0	27.21	42.62	276.5	0.8256
Std. Error	0.5103	36.49	8.205	12.85	83.36	0.2489

Bonferroni's Multiple Comparison Test	Mean Diff.	t	P < 0.05	Summary	95% CI of diff
SOD3 vs GSTp1	-6.757	0.1268	No	ns	-169.6 to 156.1
SOD3 vs Iron	-88.03	1.652	No	ns	-250.9 to 74.84
SOD3 vs ZINC	-263.8	4.953	Yes	***	-426.7 to -101.0
SOD3 vs CRP	-49.35	0.9264	No	ns	-212.2 to 113.5
SOD3 vs Ferritin	-309.0	5.801	Yes	***	-471.9 to -146.1
GSTp1 vs Iron	-81.27	1.526	No	ns	-244.1 to 81.59
GSTp1 vs ZINC	-257.1	4.826	Yes	***	-419.9 to -94.22
GSTp1 vs CRP	-42.59	0.7995	No	ns	-205.5 to 120.3
GSTp1 vs Ferritin	-302.2	5.674	Yes	***	-465.1 to -139.4

Abbreviations: SOD3- Super oxide dismutase, GSTp1- Glutathione s transferase, CRP- C-Reactive Protein.

Table S2: Column statistics and One-way ANOVA analysis of Diabetes and Hypertension as co-morbidity Vs anti oxidant and anti inflammatory parameters

	GSTp1	Iron	Zinc	CRP	Ferritin	SOD3
No. of values	39	39	39	39	39	39
Minimum	0.9130	13.00	236.4	3.500	7.900	0.5640
Maximum	10.00	96.00	338.0	199.0	1300	8.230
Mean	7.059	48.15	270.2	33.58	287.0	4.149
SD	2.302	21.50	20.81	47.13	314.9	2.401
Std. Error	0.3685	3.443	3.333	7.546	50.43	0.3844

Bonferroni's Multiple Comparison Test	Mean Diff.	t	P < 0.05	Summary	95% CI of diff
GSTp1 vs SOD3	5.754	0.08243	No	ns	-202.1 to 213.6
GSTp1 vs Iron	-50.77	0.7273	No	ns	-258.6 to 157.1
GSTp1 vs ZINC	-266.4	3.816	Yes	**	-474.3 to -58.54
GSTp1 vs CRP	-93.86	1.345	No	ns	-301.7 to 114.0
GSTp1 vs Ferritin	-528.9	7.576	Yes	***	-736.7 to -321.0
SOD3 vs Iron	-56.52	0.8097	No	ns	-264.4 to 151.3
SOD3 vs ZINC	-272.2	3.899	Yes	**	-480.0 to -64.29
SOD3 vs CRP	-99.61	1.427	No	ns	-307.5 to 108.3
SOD3 vs Ferritin	-534.6	7.659	Yes	***	-742.5 to -326.8

Abbreviations: SOD3- Super oxide dismutase, GSTp1- Glutathione s transferase, CRP- C-Reactive Protein, SD-Standard deviation

Table S3: Column statistics and One-way ANOVA analysis No co-morbidity vs anti oxidant and anti inflammatory parameters

	DM	NC	DM-HT
Number of values	29	39	12
Minimum	0.0810	0.5640	0.0640
Maximum	5.550	8.230	2.630
Mean	1.994	4.149	0.9612
Std. Deviation	1.590	2.401	0.7878
Std. Error	0.2953	0.3844	0.2274
Lower 95% CI of mean	1.389	3.371	0.4606
Upper 95% CI of mean	2.599	4.927	1.462

Bonferroni's Multiple Comparison Test	Mean Diff.	t	P < 0.05	Summary	95% CI of diff
DM vs NC	-2.155	4.478	Yes	***	-3.333 to -0.9773
DM vs DM/Ht	1.033	1.533	No	ns	-0.6164 to 2.682
NC vs DM/Ht	3.188	4.920	Yes	***	1.602 to 4.774

Abbreviations: DM-Diabetes, NC-No co-morbidities, HT- hypertension

Table S4: SOD3 levels in co-morbidities DM, NC, DM/HT

Bonferroni's Multiple Comparison Test	Mean Diff.	t	P < 0.05	Summary	95% CI of diff
DM/HT vs NC	0.7698	1.090	No	ns	-0.9580 to 2.498
DM/HT vs DM	0.08069	0.1099	No	ns	-1.716 to 1.877
NC vs DM	-0.6891	1.314	No	ns	-1.972 to 0.5943

Abbreviations: DM-Diabetes, NC-No co-morbidities, HT- hypertension

Table S5: GSTp1 levels in co-morbidities DM, DM-HT and NC