

Table 2: Values of serum biomarkers before and after treatment with N-acetylcysteine of the 48 hemodialysis patients, who participated in the study.

Marker	Before	After	p Value
Hemoglobin (g/dL)	11.7 ± 1.0	12.0 ± 0.7	0.029
White Blood Cells (/μL)	8,003 ± 2,223	7,408 ± 1,800	0.002
Neutrophil (%)	67.6 ± 7.9	64.3 ± 6.8	0.001
Lymphocytes (%)	21.7 ± 6.4	23.0 ± 6.3	0.008
Serum Urea (mg/dL)	165 ± 38	161 ± 34	0.532
Serum creatinine (mg/dL)	9.5 ± 1.9	9.8 ± 2.0	0.311
Uric Acid (mg/dL)	5.8 ± 1.0	6.3 ± 1.5	0.008
Serum Calcium (mg/dL)	9.0 ± 0.7	9.1 ± 0.5	0.971
Serum Phosphate (mg/dL)	6.3 ± 1.9	5.7 ± 1.3	0.009
Calcium-phosphate Product (mg ² /dL ²)	56.8 ± 16.5	51.3 ± 10.1	0.014
CRP(mg/dL)	0.79 ± 0.6	0.56 ± 0.4	0.002
Serum Total Protein (g/dL)	6.55 ± 0.6	6.71 ± 0.4	0.003
Serum Albumin (g/dL)	3.80 ± 0.4	3.98 ± 0.3	0.001
ALP(IU/L)	116 ± 56	106 ± 43	0.108
Serum Iron (μg/dL)	86.3 ± 43.7	86.1 ± 41	0.647
Serum Ferritin (ng/mL)	743.5 ± 277.4	776.3 ± 320.2	0.376
iPTH (pg/ml)	379 ± 362	314 ± 297	0.001
URR (%)	69.9 ± 5.1	69.5 ± 5.5	0.068
spKt/V	1.44 ± 0.19	1.44 ± 0.21	0.509

All values are mean ± standard deviation. CRP: C-reactive protein, ALP: Alkaline phosphatase, iPTH: intact parathyroid hormone, URR: Urea Reduction Ratio, spKt/V: single-pool Kt/V (K, dialyzer blood urea clearance; t, session length; V, urea distribution volume equal to 55% of body weight).