

Table 3: Comparison of the study groups in terms of biochemical parameters. Values are expressed as mean \pm standard deviation.

| | Group 1 | Group 2 | Group 3 | Group 4 |
|---------------------|------------------|------------------------------|-------------------------------|------------------------------|
| SOD (U/ml) | 12.55 \pm 2.87 | 10.6 \pm 1.81 | 21.57 \pm 2.66 ^a | 18.72 \pm 3.2 ^a |
| MDA (nmol/ml) | 12.5 \pm 1.19 | 26.5 \pm 6.25 ^b | 12.4 \pm 2.71 | 13.6 \pm 1.64 |
| GSH (μ mol/l) | 0.24 \pm 0.08 | 0.16 \pm 0.02 | 0.47 \pm 0.07 ^a | 0.43 \pm 0.05 ^a |
| AOPP (μ mol/l) | 16.75 \pm 3.6 | 15.5 \pm 1.06 | 16.7 \pm 2.83 | 18 \pm 3.2 |

p < .05 was considered statistically significant, Group 1: Control group, Group 2: Radiation therapy group, Group 3: Radiation therapy plus oral NAC administration group, Group 4: Radiation therapy plus intraperitoneal NAC administration group, SOD: superoxide dismutase, MDA: malondealdehyde, GSH: glutation, AOPP: advanced oxidation protein products, ^a: compared with groups 1 and 2 (p < 0.001), ^b: Compared with groups 1,3,4 (p < 0.001).