



The effect of ginseng and ginseng nanoparticles on the serum levels of total testosterone (ng/ml) in methotrexate-induced testicular toxicity in rats. n (9 rats/group), MTX: methotrexate (20 mg/kg), G 500: ginseng (500 mg/kg/day), GN 250: ginseng nanoparticles (250 mg/kg/day), GN 125: ginseng nanoparticles (125 mg/kg/day), G 500/MTX: ginseng (500 mg/kg/day) + methotrexate (20 mg/kg), GN 250/MTX: ginseng nanoparticles (250 mg/kg/day + methotrexate (20 mg/kg), GN 125/MTX: ginseng nanoparticles (125 mg/kg/day) + methotrexate (20 mg/kg). Data are expressed as mean \pm S.D, and the difference between groups was evaluated using one-way analysis of variance (ANOVA) test followed by Bonferroni multiple comparison test.

^a significant difference compared to control group at P-value < 0.05

^b significant difference compared to MTX group at P-value < 0.05

^c significant difference compared to G 500 group at P-value < 0.05

^d significant difference compared to GN 250 group at P-value < 0.05

CI = 95%, F-value = 16.19