

**Figure 1:** Effects of experimental treatments on levels of testosterone (A), LH (B) and FSH (C). Superscripts (a-c) show significant differences between groups.

 

**Figure 2:** Effects of experimental treatments on levels of TAS (A), SOD (B), GPx (C) and MDA (D). Superscripts (a-c) show significant differences between groups.

   

 

**Figure 3:** Effects of experimental treatments on blood biochemical parameters

   

**Figure 4:** Effects of experimental treatments on testis weight



  

**Figure 5:** Effects of experimental treatments on sperm abnormality



  

**Figure 6:** Effects of experimental treatments on viability, motility and concentration of sperm