



Figure 1: Hormonal levels of treated rats. The chart displays the levels of Testosterone (TT), Follicle Stimulating Hormone (FSH), and Luteinizing Hormone (LH) in rats across five treatment groups: Normal Control (NC), Diethylstilbestrol (DC), Crepidioides (CC), Diethylstilbestrol + Crepidioides (D+CC), and Diethylstilbestrol + Insulin (D+INSULIN). Error bars represent standard deviation. Statistical significance is indicated by asterisks (*) for p < 0.05, hash symbols (#) for p < 0.05 compared to the control group, and combinations (*#) for p < 0.05 between groups.

rats of the control group was moderately circular or ovoid in shape. In the DC group, the sperm heads were small and pointed. In the CC group, the sperm heads were large and rounded. In the D+CC group, the sperm heads were large and rounded. In the D+INSULIN group, the sperm heads were large and rounded.

Discussion

The present study was designed to evaluate the effect of Crepidioides on the reproductive system of rats. The results showed that the treatment with Crepidioides led to a fall in blood and serum testosterone, FSH, and LH levels. This finding is in agreement with the reports of Mustafa et al. (2017) who reported that the treatment with Crepidioides led to a fall in blood and serum testosterone, FSH, and LH levels in rats. The present study also showed that the treatment with Crepidioides led to a fall in the number of sperm cells within the lumen of the epididymus. This finding is in agreement with the reports of Mustafa et al. (2017) who reported that the treatment with Crepidioides led to a fall in the number of sperm cells within the lumen of the epididymus. The present study also showed that the treatment with Crepidioides led to a fall in the number of sperm cells within the lumen of the epididymus. This finding is in agreement with the reports of Mustafa et al. (2017) who reported that the treatment with Crepidioides led to a fall in the number of sperm cells within the lumen of the epididymus.

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