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Free serum testosterone level in male rats treated with Tribulus alatus extracts.

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Abstract

OBJECTIVE: The present study was undertaken to investigate the effect of Tribulus alatus extracts on free serum testosterone in male rats. **MATERIALS AND METHODS:** Free serum testosterone level was measured in male rats treated with alcoholic extracts of the aerial part without fruits, fruits of Tribulus alatus and their fractions. **RESULTS:** All tested extracts showed significant increase in the level of free serum testosterone when compared to that of corresponding control, $p < 0.05$. Statistical comparison of all groups revealed that the maximum level was found in groups treated with chloroformic and ethanolic fractions of fruits extract. **CONCLUSION:** Tribulus alatus extract appears to possess aphrodisiac activity due to its androgen increasing property.

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