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The Effect of Tribulus Terresteris on Histomorphometrical Changes of Testis Induced by Ethanol Administration in Male Wistar Rats

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Abstract : The purpose of this research was to survey the effect of tribulus terresteris on histomorphometrical changes of testis induced by ethanol administration in male wistar rats. Fifteen male wistar rats divided into three groups: 1- control group (n=5). 2- Experimental group I (IP received 1 mg/gr Alcohole 20% for 30 days) (n=5). 3- Experimental group II (IP received 1 mg/gr Alcohole 20% for 30 days and IP received 100 mg/kg tribulus terresteris 15 days before received Alcohole for 45 days) (n=5). All procedures and care of the animals were conducted following protocols approved by the ethical committee (Iranian Society for the Prevention of cruelty to animal, and Iranian Veterinary Organization). Results showed that the thickness of the wall of seminiferous tubule, the weight of testis, the number of spermatogenic cells were decreased in experimental group I. In addition, all of these parameters were increased in experimental group II compared with experimental group I. These decrement of all of parameters in experimental group I with significant difference in comparison control group ($p \leq 0.05$). But all of parameters had increment in experimental group II with no significant difference compared with control group ($p \geq 0.05$) and significant difference with experimental group I ($p \leq 0.05$).It is concluded that tribulus terresteris may prevent from reducing the number of spermatogenic cell that has been created by the consumption of alcohole.

Keywords : ethanol, histomorphometric, testis, teribulus terresteris
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