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JOURNAL ARTICLE

An experimental study of the effect of ischemia on testicular structure in the rat. Efficacy of intravenous inosine

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The damages caused by experimental testicular ischemia lasting 60 minutes have been examined in the rat. The histologic alterations of the germinal epithelium and of the tunica propria are studied, using semi-thin sections stained with 1% toluidine blue. The results show that a testicular ischemia of 60 minutes causes damages to the testicular structures. These damages cannot be prevented or avoided by either surface cooling or cold perfusion; however, intravenous inosine prior to ischemia has a protective effect.

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