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Effects of *Epimedium koreanum* on lipidperoxidative Activities in ovariectomized rats

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The effects of *Epimedium koreanum* (EK) on the biochemical parameters of function were investigated in liver and serum of ovariectomized rats (OVX). Both the ovaries of Sprague-Dawley rats (13 weeks senescent female) were ectomized. After 2 days, EK (100 mg/kg) was intraperitoneally injected into OVX for 22 weeks. In the 35th week, OVX were anesthetized with ether and dissected. We examined the lipidperoxidative activities by measuring the level of Total Cholesterol, HDL-Cholesterol, LDL-Cholesterol, Total lipid and Triglyceride in serum, Malonedialdehyde (MDA) in liver tissue and by surveying the histological effect in liver tissue. Ovariectomy increased the lipidperoxidative bioactivities, but EK decreased them. Also EK inhibited necrosis in the histological experiment of liver tissue.

Key Word : *Epimedium koreanum*, lipidperoxide, hepatotoxicity, ovariectomy

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