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Effect of *Ulva lactuca* Extract on Lipidperoxide and Cholesterol Level in Ovariectomy

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The aim of this study was to investigate the effect of *Ulva lactuca* extract (UL) in ovariectomized rats. After the adaptation of ovariectomized rats for seven days, UL (100mg/kg) was intraperitoneally administered into rats on alternate days for 2 months. We measured the levels of Total Cholesterol, HDL-Cholesterol, LDL-Cholesterol, Total lipid and Triglyceride in serum and Malondialdehyde(MDA) in liver tissue. *Ulva lactuca* extract-administered and ovariectomized(OVX+UL) group significantly decreased MDA compared to ovariectomized control(OVX) group. Total Cholesterol, LDL-Cholesterol, Total lipid and Triglyceride of OVX+UL group were lower than those of OVX group. HDL-Cholesterol in OVX+UL group was increased compared to OVX group. These suggested that UL had significant inhibitive effects on the levels of lipidperoxidation and lipid in ovariectomized rats.

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