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***Ulva lactuca* Fucoidan and its Role in Ovariectomy.**

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The effects of *Ulva lactuca* fucoidan (ULF) on the biochemical parameters of lipid-related 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, ULF (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 lipid-related functions by measuring the levels of total cholesterol, HDL-cholesterol, LDL-cholesterol, total lipid and triglyceride in serum. Ovariectomy increased the lipid-related functions, but ULF administration decreased them. This result suggests that ULF can be used as the potential candidate for the cholesterol-decreasing natural supplement.

Key Word : *Ulva actuca*, cholesterol, ovariectomy

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