

【P2-5】**Antioxidative Effect Methanol Extract of *Rubus coreanus* in STZ-Induced Diabetic Rats**

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We investigated antioxidative effects of chronic feeding of methanol extract of *Rubus coreanus*(RC) in streptozotocin(STZ)-induced diabetic rats. STZ-induced diabetic rats(BW 290-320g) were divided into two groups and offered basal diet (AIN-76 semipurified diet) or AIN-76 semipurified diet supplemented with 7.5g/kg RC methanol extract) for 7wk. Fasting serum glucose level of RC group tended to be lower compared with control group. Blood urea nitrogen(BUN) level of RC group(39.8 ± 17.9 mg/dL) significantly decreased compared with control group(63.4 ± 14.4 mg/dL). Serum creatinine levels of RC group and control group were not significantly different. Hepatic thiobarbituric acid reactive substances(TBARS) of RC group(1.29 ± 0.10 nmol MDA/mg protein) were significantly lower than that of control group(1.52 ± 0.12 nmol MDA/mg protein). Feeding of *Rubus coreanus* extract significantly increased hepatic superoxide dismutase(SOD) activity(11.89 ± 2.29 Unit/mg protein) compared with control group(9.37 ± 0.79 Unit/mg protein) and tended to increase catalase activity. These results demonstrated that chronic feeding of *Rubus coreanus* extract could have a protective effect against diabetics complications in rats.