
第 174 回松本歯科大学大学院セミナー

日 時: 2008 年 6 月 24 日(火) 16 時 00 分~17 時 30 分

場 所: 実習館 2 階総合歯科医学研究所セミナールーム

演 者: Ji-Won Lee 氏 (Keimyung University, Researcher)

タイトル: **Biological effects of *Rubus coreanus* Miquel and its antioxidant components on the bone**

One of the traditional medicines, *Rubus coreanus* Miquel (RCM), a type of red raspberry, grows wild in Korea and China and its fruit is used as a folk medicine for the treatment of impotence and as a diuretic. The fruits are rich in sugars, organic acids and several vitamins, as well as triterpenoids, and also include various antioxidants, and phenolic acids. Extract of the fruit have been found to show considerable antioxidant activity in various test systems regardless of the degree of ripeness. RCM are used, not only as food, but also to remit diabetes mellitus and sexual disinclination as a drug component in herbal medicine, therefore, it is thought to contain diverse functional substances. Therefore, based on analyses of its components and biological activities, the relationships between osteoblast and osteoclast cells treated with RCM and its antioxidant components was determined and the effect of RCM extract to administrated ovariectomized rats was investigated. Thus, this study was carried out to demonstrate the regulatory potentials of RCM on bone metabolism which may contribute to the possible justification for the clinical application in the treatment of bone metabolic disease.

担当: 硬組織疾患制御再建学講座 宇田川 信之