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• 計畫中文名稱	含 tocotrienol 米油調整糖尿病大鼠組織抗氧化、膽固醇代謝機制及胰島素抗性之研究		
• 計畫英文名稱	Effects of Rice Oil with Tocotrienol on the Tissues Oxidative Damage and Regulation of Insulin Resistant and Cholesterol Metabolism in Diabetes Rats		
• 主管機關	行政院國家科學委員會	• 計畫編號	NSC94-2320-B038-043
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• 研究人員	鄭心嫻 Cheng, Hsing-Hsien		
• 中文關鍵字	米麩油; Streptozotocin-誘發糖尿病大白鼠; 氧化壓力		
• 英文關鍵字	Rice bran oil, Streptozotocin-diabetes rat, Oxidative stress; Tocotrienol; 8-OHdG		
• 中文摘要	8-OHdG (8-hydroxy-2'-deoxyguanosin)是 DNA 受傷害的敏感指標。誘導糖尿病大鼠之 STZ (streptozotocin)會使大鼠体內產生 ROS(reactive oxygen species)。正常大鼠及 STZ 誘發糖尿病大鼠分別以大豆油或米麩油 4 週後,取得大鼠肝臟、腎臟、胰臟、大腦及心臟。萃取 DNA 後分出粒線體 mitochondrial DNA (mtDNA) 及核 nuclear DNA(nDNA),分析 8-OHdG 含量。比較糖尿病大鼠與正常大鼠,攝食米麩油含 tocotrienol 可保護兒減少氧化傷害。其 mtDNA 之 8-OHdG 量較攝食大豆油顯著降低。尤其在肝、腎 2 及胰臟降低最顯著。		
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• 英文摘要

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