• 計畫中文名稱	延胡索炮製研究及工廠規範制訂		
• 計畫英文名稱	Study on the processing and establishment standard operating procedure of Corydalis yanhusuo W. T. Wang for factory		
• 系統編號	PG9902-0458	• 研究性質	應用研究
• 計畫編號	CCMP99-CP-002	• 研究方式	委託研究
• 主管機關	行政院衛生署中醫藥委員會	• 研究期間	9901 ~ 9912
• 執行機構	台北醫學大學藥學系		
• 年度	99 年	• 研究經費	800 千元
• 研究領域	藥學		
• 研究人員	王靜瓊,陳立耿		
• 中文關鍵字	延胡索；炮製；去氫延胡？素；延胡索乙素；抗凝血；止痛；標準製造流程；		
• 英文關鍵字	Corydalis Tuber；processed；dehydrocorydaline；dl-tetrahydropalmatine；anti-thromboplastin activity；analgesic effects；standard operat procedure；		
• 中文摘要	中藥炮製的目的是爲了減毒及增強療效，所以建立炮製的標準化流程，是建構中藥用安全環境重要的主題之一。然而，延胡索（Corydalis yanhusuo W. T. Wang 之乾燥塊莖）常用於活血、止痛，且多用醋製增強止痛效用。然而，炮製的過程，推測其成分該有了改變，因此以其指標成分-去氫延胡索 (dehydrocorydaline) 及止痛成分-延胡索乙素（dl-tetrahydropalmatine）作爲台灣延胡市售品，及炮製前後成分變化的指標，並用 LC-Mass 觀察指紋圖譜的消長。另，在體外抗凝血及體內止痛動物試驗，評估延胡索製前後的藥效是否增強。並觀察餵服小鼠炮製前後之延胡索水萃物，檢測其致死劑量，瞭解炮製是否減毒，並確認最好的炮製方法再綜合炮製後延胡索成分變化與藥理作用之關係，制定理想的延胡索炮製方法及含量規格，再擴大到炮製工廠，實地試做再進行理及成分分析，最後確認『延胡索炮製之標準製作流程』。		
• 英文摘要	Corydalis Tuber (Corydalis yanhusuo W. T. Wang) is one of the regulated-blood Chinese herbs. It has been used to promote the blood circulation and analgesic effects. However, the processed Corydalis Tuber with vinegar is more popular used than raw material. Because, t vinegar-processed method can enhance analgesic effects of Corydalis Tuber, the bioactive compounds will be changed. In the present investigation, we will detect the amounts of substance marker, dehydrocorydaline and dl-tetrahydropalmatine in Taiwan commercial Corydalis Tube, raw and processed Corydalis Tuber by HPLC system. Moreover, the fingerprints of the HPLC-Mass will be used to compa		

	between raw and processed of Corydalis Tuber. The other hand, the anti-thromboplastin activity in vitro and analgesic effects in animal model will be evaluated between raw and processed. Principle-activity relationships on the bio-activity and toxicity test of the processed analgesic will be discussed. In according to the results, we will regulate the best-processed way of Corydalis Tuber as the reference standar method. The method will be able to apply in pharmaceutical factory and established standard operating procedure (SOP) of processed Corydalis Tuber.