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• 計畫中文名稱	BRCA1 及 BRCA2 抑癌基因與乳癌危險因子之互動探討
• 計畫英文名稱	The Interaction of BRCA1, BRCA2 Tumor Suppressor Genes and Non-Genetic Risk Factors of Breast Cancer
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• 研究人員	陳品玲；張金堅；楊沂淵 Ping-Ling, Chen；King-Jen, Chang；Yi-Yuan, Yang
• 中文關鍵字	BRCA 抑癌基因；乳癌；致癌機轉；危險因子；遺傳諮詢
• 英文關鍵字	BRCA tumor suppressor gene；Breast cancer；Carcinogenesis；Risk factor；Genetic counseling
• 中文摘要	查無中文摘要
• 英文摘要	We have analyzed the germline mutations in the coding regions of BRCA1 candidate genes from 38 patients with breast cancer and equal numbers of normal individuals using single-strand conformation polymorphism (SSCP) analysis on polymerase chain reaction (PCR)-amplified genomic DNA. A total of 2 putative disease-related alterations (5.3%) were recognized which sequences differ in only one residue in a span of 112 amino acids, resulting from a change of I to T. The frequency of germline mutations in the BRCA 1 genes in the present study is consistent with the previous study which indicated the mutation rate of BRCA 1 gene is approximately 5-10%.