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• 計畫中文名稱	Catenin 與 E-cadherin 的表現與臨床胃癌之關係		
• 計畫英文名稱	The Clinical Relationships of Gastric Cancer and the Expression of Catenin and E-cadherin		
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• 中文關鍵字	胃癌；細胞附著分子；轉移；基因表現		
• 英文關鍵字	Gastric cancer；E-cadherin；Metastasis；Gene expression；Catenin		
• 中文摘要	我們對胃癌細胞株(SC-M1,NU-GC-3)及臨床切除之胃癌標本研究其 E-cadherin 及 Catenin(.alpha.-,.beta.-,.gamma.-)的表現程度及其臨床病理因素之關係。結果發現不論是 E-cadherin 或 Catenin,在胃癌細胞株及臨床切除之胃癌標本,都有不同程度之表現。進一步的分析發現,在中部胃癌的病例,大部分有.gamma.-catenin 在腫瘤組織較正常黏膜表現減少之現象。另外, .gamma.-catenin 在腫瘤部位的表現與正常黏膜表現不一致時,病患的短期存活率較差。因爲 E-cadherin-catenin 複合體乃一功能性之結構單位, .gamma.-catenin在腫瘤部位的表現與正常黏膜表現不一致時,勢必影響到E-cadherin的功能,進而影響到癌細胞的轉移程度及病患的預後關係。		
• 英文摘要	In order to understand the role .alpha.-, .beta.- and .gamma.-catenin and E-cadherin in the gastric cancer, we used two gastric cancer cell lines (SC-M1, NU-GC-3) and twenty-two clinical resected gastric cancer specimens for study. The expression of E-cadherin and catenins (.alpha.-, .beta.- and .gamma.-) were well demonstrated by Western blot, with some specimens increased and others decreased than normal gastric mucosa. Further clinicopathological studies disclosed that decreased expression of .gamma.-catenin in gastric cancer tissue than normal gastric mucosa were those cancers mostly located at midbody of the stomach. In Kaplan-Meier cumulative survival analysis revealed that, better short term survival was found in those cancers expressing .gamma.-catenin in consistence with normal gastric mucosa. Since the E-cadherin-catenin complex is a functional unit, the decreased expression of .gamma.-catenin may affect the function of E-cadherin which in turn may affect the cancer metastasis and the prognosis of gastric		

cancer patients. A longer follow up period of these patients is necessary for further studies.