

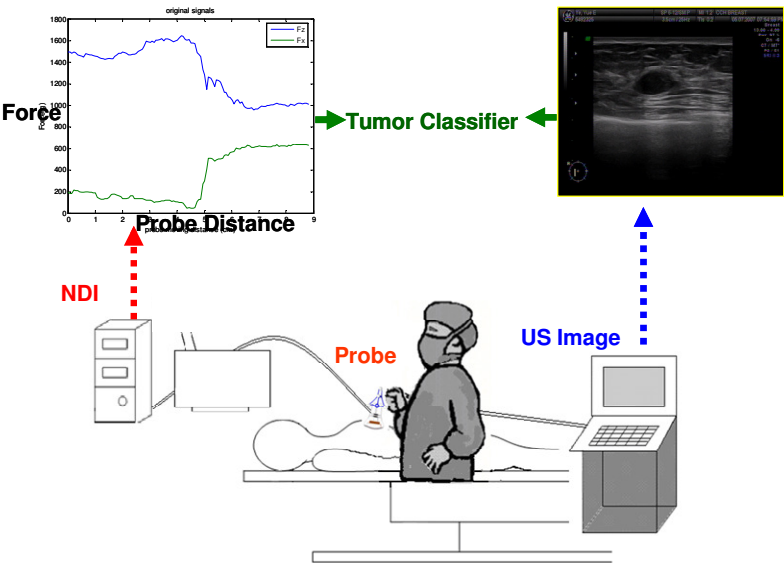
國立臺灣大學技術行銷表

臺大案號: 12A-100303

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產品/技術名稱	手持式乳癌診斷系統
發明人/單位	顏炳郎 ¹ 、陳達人 ² 、葉坤土 ³ (1:台大生物產業機電工程學系; 2:彰化基督教醫院乳房腫瘤中心; 3:彰化基督教醫院病理科)
產品/技術說明	<p>結合超音波診斷與力學資訊，進行預測乳房腫瘤良惡性之診斷，獲得傳統只靠超音波診斷，更精準的預測結果。</p> 
應用範圍	乳房腫瘤良惡性判斷
產品/技術優勢	本產品可搭配任何廠牌超音波設備，屬於低成本之附件
市場潛力	乳癌為近年來女性重大死因之一，但由於醫學的進步，乳癌的十年存活率平均達百分之 60，第一期乳癌的平均存活率則高達百分之 80 以上（資料來源: 財團法人乳癌防治基金會網頁），因此，降低乳癌對女性的生命威脅，仰賴及早發現與正確診斷，提高乳癌診斷儀器的靈敏度與專一性，在未來極具發展潛力。
產品/技術 智財權保護方式	專利申請中

Marketing Abstract of NTU's Invention Disclosure

NTU's docket no: 12A-100303

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Title	Handheld Device for Breast Cancer Diagnosis
Inventor (s)	Ping-Lang Yen ¹ , Dar-Ren Chen ² , Kun-Tu Yeh ² 1: National Taiwan University; 2: Changhua Christian Hospital
Brief Description	Using tactile features, developed a simulated physician palpation of breast cancer diagnosis equipment, to overcome the shortage of human action caused by factors such as signal stability. And the hardness of the tumor to develop biomechanical models to predict benign and malignant breast tumors. To achieve accurate prediction of benign and malignant breast tumors, thereby providing physicians an important basis for the diagnosis of breast cancer.
Fields of Application	Medical application for distinguishing benign from malignant tumor for breast cancer diagnosis
Advantages	The invented device is compatible to almost all types of medical ultrasound scanner for breast cancer diagnosis. By means of the device, the accuracy of distinguishing benign from malignant breast tumors can be improved.
Market Potential	As breast cancer becomes one of the leading causes of cancer among women, there is great market demand for diagnosis device which is able to distinguish benign from malignant breast tumor accurately. The device works as an accessory to complement an ultrasound machine to improve the diagnosis accuracy by providing second opinions about the tumor's biomechanical properties.
IP Right(s)	Patent pending