



由體表特徵變化以檢測疾病

提案人： 蕭浩明 教授

單位： 國立臺灣大學 機械工程學系/研究所

簡歷： (可列出相關連結，例如系所、研究室網頁)

http://www.me.ntu.edu.tw/main.php?mod=adv_custom_page&func=show_page&site_id=0&page_id=206

市場及需求： 本產品利用快速、準確、且費用低廉之優勢，彌補現階段疾病檢測難以大量快速篩檢之缺點，可望實現本產品早期檢測、早期預防之核心價值，達成隨時隨地進行疾病檢測之「個人化行動醫院」理想。

技術摘要(含成果)： 本產品為一項創新非侵入且非接觸式之疾病檢測技術，藉由影片擷取體表特徵變化並進行量化分析，以檢測疾病或監控生理狀態。

優勢： 快速、準確、且費用低廉，以預防醫學取代傳統被動醫療，可大幅增加診療的效益。

競爭產品： 傳統影像檢測裝置，如超音波。

專利現況：

(1) 本技術已有相關專利 (中華民國專利申請號: I524878; 美國專利證號: US10395370)。

(2) 本研究團隊具有二十年醫療器材研究經驗。

聯絡方式(請不用填)：

臺大產學合作總中心

Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw



Disease Detection by Variations on Body Surface Characteristics

PI : Prof. Hao-Ming Hsiao

Department of Mechanical Engineering, National Taiwan University

Experience:

http://www.me.ntu.edu.tw/main.php?mod=adv_custom_page&func=show_page&site_id=0&page_id=206

Market Needs: This product has the great potential to truly realize the core values of the “early detection” and “early prevention” that have been longed for in the medical society. It could set the first major cornerstone to achieve the dream of “personalized mobile hospital” in the future world.

Our Technology: This product is a novel non-invasive and non-contact quick risk assessment tool for arrhythmia, carotid artery stenosis, cardiovascular and neurovascular diseases, etc. This is a revolutionary healthcare technology using video color analysis and quantification to extract variations from body surface characteristics for disease risk assessments and physiological monitoring.

Strength: This product is quick, accurate, and inexpensive. It is a true realization of the preventive medicine in hope to replace passive conventional treatments.

Competing Products: Conventional image diagnosis equipment such as ultrasound, etc.

Intellectual Properties:

R.O.C. Patent: I524878; U.S.A. Patent: US10395370

This team has 20 years of research experience in medical devices.

Contact (do not need to fill out):

Center for Industry-Academia Cooperation, NTU

Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw

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