行動式手繪輸入系統於緊急醫療

Activity Emergency Medicine System by Handwriting

郭景桓 [a] 李治明 [a] 吳 帆 [a] 蔡文正 [b]

Frank Kuo [a] Ivan Lee [a] F. Wu [a] Tsai WC [b]

國立中正大學　醫療資訊管理研究所 [1]

中國醫藥大學　醫務管理研究所 [2]

National Chung Cheng University, Institute of Healthcare Information Management [1]

China Medical University, Institute of Health Service Management [2]

E-Mail：frankk@mis.ccu.edu.tw

摘要

近年來，醫療院所在日趨激烈的競爭環境下，紛紛導入電子病歷(EMR)。而在緊急醫療也須資訊電子化，讓救護人員第一時間到達現場，對傷患施救的同時能將現場即時情況上傳至伺服器，讓醫療衛生單位即時掌握傷患人數及情況。透過本系統讓醫護人員透過行動通訊設備，傳送傷患生命徵象及檢傷分類，以讓急診室即早掌握病患人數、疾病種類及嚴重度，進行醫療資源佈署以及醫療作業排程規劃，以降低延誤救治時間，提高救治比率。

本研究即在發展緊急醫療記錄系統相關技術，在緊急醫療記錄系統上增加手繪輸入功能，以方便急救員可以使用繪圖方式記錄傷患相關記錄。本研究目的，進而提升緊急救護醫療的品質，以真正達成推動電子病歷的願景：『以病患為中心之健康照護記錄』。

關鍵字：電子病歷、手寫輸入、緊急救護

Abstract

Hospitals implement Electronic Medical Record (EMR) in the competitive environment nearly. But the emergency medicine must deploy more information. When the first time to the disaster site and first aid, we can transfer the information to the public health bureau server right time to statistic the number of patients. Else, the health worker can transfer the patient data about life condition and classification of injure to the emergency room to adjust healthcare resource and medical treatment schedule earlier to promote the ratio of survival.

The research develops the technology about the record systems of emergency medicine. We aid the function by handwriting to let health worker notes taken down patient records convenient. The goal of research is to promote the quality of emergency medicine to achieve the vision of promoting EMR: "the center of healthcare records".

Keywords: Electronic Medical Record (EMR), handwriting, emergency medicine