

基於 XML 加密簽章的電子病歷

XML-based Signature for Electronic Patient Record System

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摘要

本研究乃以 XML 簽章/醫事人員憑證的方法去建構一套適合國內醫療院所使用的電子病歷系統。在電子病歷系統上，利用 XML 語法描述電子簽章、加密的技術，解決傳統簽章一份文件無法部份簽章與多簽問題，並解決多重醫療角色專業分工的權責區分的電子簽章問題。

關鍵字：XML 簽章(XML Signature)、電子病歷(Electronic Patient Record)、X. 509 憑證

Abstract

This research is based on XML signature and Healthcare Professional Card to build an EPRs (Electronic Patient Record System). We use XML technology to describe Electronic Encryption, which can resolve Multi-Electronic Encryption in a patient document to improve the past partially encryption. We also apply XML tool to implement Electronic Signature which can solve Multi-Electronic Signatures when a patient's record needs many healthcare workers to have their Electronic Signatures.

Key Words: XML Signature, Electronic Patient Record, X.509 Certificate