Abstract

Information systems recently have begun to be used in the fields of health as well as in many areas, and this has led to many facilities. These systems which are used for providing guidance to physicians at their works and supporting decisions to health professionals are increasing day by day. In this study, we realized a Clinical Decision Support System intended for health professionals operating in pediatrics. Our study was carried out in three stages basically. We collected all information to medical diagnosis firstly. Then, we created a database with this information and developed a software called as Web-based Pediatric Decision Support System (Web-based PDSS) with attending physicians at the last stage. This application, enhanced with multi-layered architecture, was tested in emergency and pediatric services, and its efficacy was proven in practice. Especially, when pediatric patients come to an emergency service, and
most importantly a pediatrician is not available, it was observed that Web-based PDSS decreased the diagnosis time and increased patient safety.

References


Index Terms

Computer Science
Web Service
Keywords
Decision making  Pediatrics  Web-based systems