EBCPG: A visualized evidence-based clinical practice guideline system

蔣以仁
Wen-Wen Yang;I-Jen Chiang

Abstract

Evidence-based clinical practice guidelines (CPG) have been recognized as an important guide to physicians for decision-making. These guidelines can assist physicians in giving good clinical care to their patients. Based on the overall healthcare improvements, medical care quality can be preserved while practice discrepancies and errors can be eliminated. Clear representation and accessible guideline content at the point care are also critical. One way to make implementation easier is through computerized and visualized guidelines combined with evidence-based literature. Therefore, this paper presents a computerized guideline system, EBCPG, which is composed of three main components: CPGs exploration, EBM exploration and Web-base management to accommodate clinician decision-making and maintainability. Two tasks based on CPGs exploration and visualization technologies are involved in facilitating the presentation of the CPG model. EBCPG provides a comprehensive way to assist clinicians in making decisions according to the visualized clinical practice guidelines while dealing with patients.