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challenges of Clinical Decision Making in dentistry
Clinical Decision Making Challenges

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Abstract

Introduction

Clinical decision-support systems (CDSS) have significant potential in providing dental health professionals with wide range of tools for analyzing patient data and making decisions related to diagnosis, disease prevention and treatment of a wide range of health problems. However, there are challenges associated with CDSS in dentistry. Objective of this review is to address the different challenges associated with computerized decision making in dentistry.

Methodology:

A systematic search was attempted according to the PRISMA guidelines along different databases like PubMed, NCBI, EMBASE, Google Scholar including Journal of dental education. Research papers on Computerized decision making in dentistry are viewed targeting mostly on challenges associated in its implementation. Quality assessment was done based on the CASP.

Results:

As a result, 16 research papers are extracted based on the guidelines of the PRISMA. Research papers used in this review are published no later than 2012. Further analysis was conducted on the extracted papers to derive the challenges of CDSS.

Conclusion:

In summary, current systematic review has revealed that implementation of CDSS significantly affected by the substantially high costs of CDSS acquisition, lack of related knowledge regarding the system. In addition, it has few technical challenges, legal challenges and challenges associated with the Practioner perception on system.

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A Systematic Review on Challenges associated with Computerized Decision Making in Dentistry

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