Nursing Informatics

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Abstract

Currentlly, dynamic health system technologies play an important role in education and nursing work. It seems necessary to study the role of nurses and highlight the need of appropriate information technology educational programs to integrate with the ever-increasing pace of technology.

Introduction

Nurses has been working in the field of informatics near four decades, the term "nursing informatics" has been considered a specialization in nursing resources since 1984 (Guenther & Peters, 2006). Many aspects such as data recovery, ethics, patient care, decision support systems, human-computer interaction, information systems, imaging informatics, computer science, information science, security, electronic patient records, intelligent systems, e-learning and telenursing have been added to the field
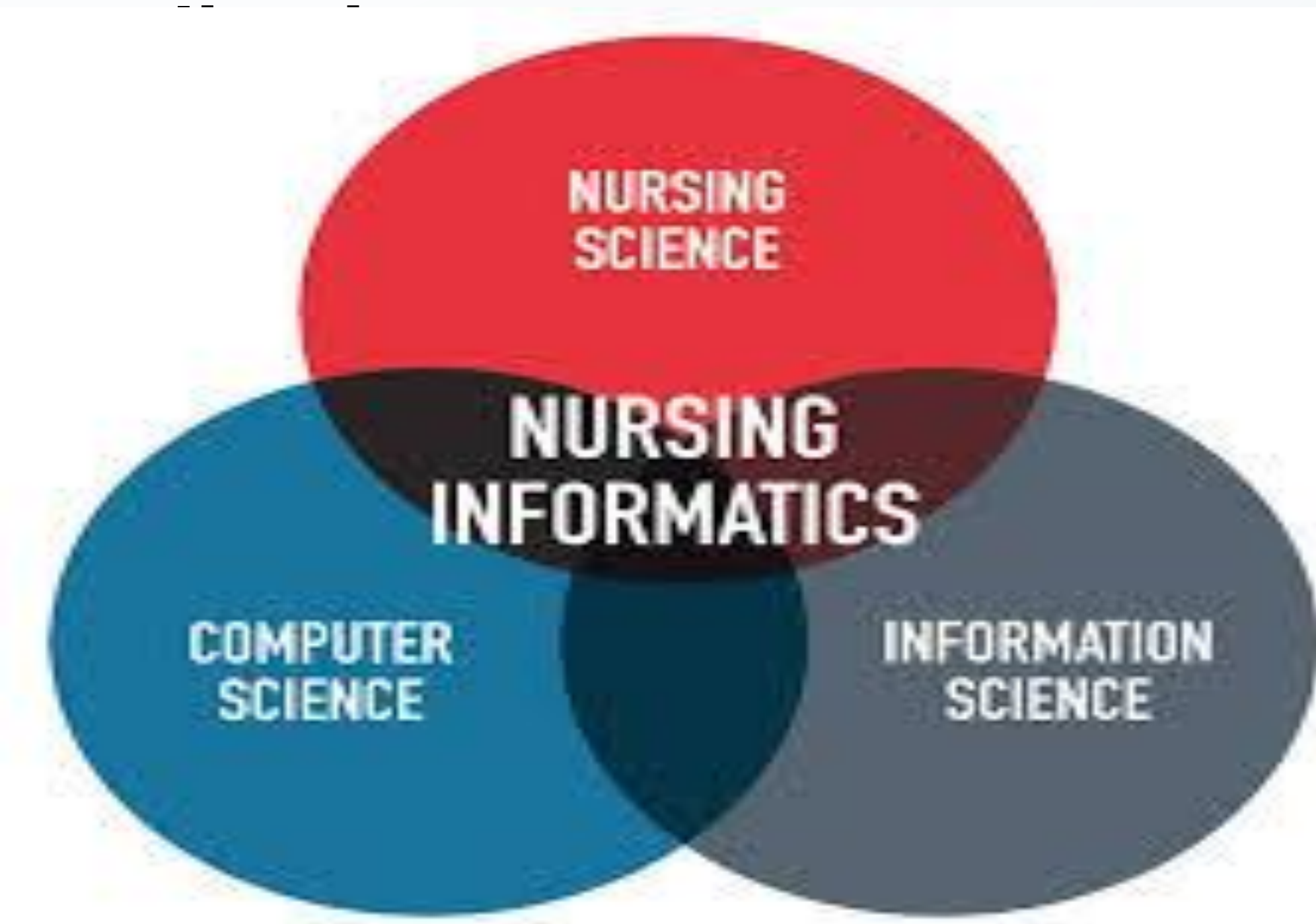
Methodology

An extensive literature search was performed by using databases Pubmed, Google Scholar, Ovid, Science Direct and SID. Search terms were "education, nursing"; "quality of health care"; "nursing informatics" and technology. A library search was also performed. articles in English were selected that specifically focused on nursing informatics education and its influence on nursing outcomes and the quality .

Results

Nursing informatics has become a useful tool for worldwide patient care and management; however, its implementation greatly varies according to specialty, healthcare setting, and nationthe advantages and disadvantages of nursing informatics implementation shared data;centralized control;disadvantages of redundancy control; improved data integrity ;improved data security, and database systems; Disadvantages:a complex conceptual design process; the need for multiple external databases; high DBMS acquisition costs; potentially catastrophic program failures; a longer running time for individual

Conclusion

The world potential to provide information technology to increase and enhance the quality of nursing domains outcomes. Due the fact of that nurses have the most communications with patients. Further more they interact with technology more frequently. These are the reasons of utilizing IT potentials to help nursing sectors. It could be expeted that the role of IT will be aboviosly seen to enhance the ursing servieces if it is applied pofessionally.

Reference

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