

The Role of Clinical Librarian in Improving Clinical Decision Making Process in Pediatric Intensive Care Unit in Tehran Children's Medical Hospital: An Action Research

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Abstract

Introduction

Due to the growth of information technology and the increasing number of medical information resources, the need for medical staff to search for and retrieve reliable and up-to-date information on the one hand and their time constraints on accessing these resources, on the other hand, this need has become one of the goals of physicians and health managers and the need for the clinical librarian has been felt as a link between the information world and the medical staff. This study try to investigate the role of clinical librarians in improving the clinical decision making process in pediatric intensive care unit at Children's Medical Center Hospital.

Method

This research is a descriptive type and a qualitative approach in terms of purpose, and has been done by action research method. The study population consisted of 10 faculty members in the first phase and 14 members of faculty and assistants including Fellowship, Residency and Intensive Care Unit interns. In the first phase, the data were collected through interviews and later through questionnaires and observations. Data analysis was done through Excel software, tables, graphs, statistical indices, mean and standard deviation were used to describe the data.

Results

According to Phase I findings, most physicians were unfamiliar with the term clinical librarian and recognized the areas of clinical librarian work in the areas of training, information in the clinical team, and research. The challenge of absence of clinical librarian in hospital, in their view they are: Lack of practical introduction of evidence-based medical topics to physicians and their proper use, updating physicians and student's information and implementation along with planning this topic. The second phase findings in the pre-training phase showed that the most used base of physicians in clinical decision making, Up to date and Pub med and

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the least was Trip database and Embase. Doctors were most aware of clinical guidelines and they were unaware of the format of the Pico Question, the Boolean Operators, and a variety of clinical questions. Their information on systematic review studies, meta-analysis and evidence were in relative and relative order and their information on systematic review studies, meta-analysis and evidence were in relative and relative order. Data collected after training sessions showed that physicians' information was increased in the area of evidence-based medicine and clinical librarianship and most of them agree with the role of the clinical librarian in saving information access time.

Conclusion

By implementing the clinical librarian project and working with the treatment team, patients and staff will benefit. The presence of clinical librarians and the training sessions it holds will make the evidence-based medical culture more prevalent. The morning reports and training rounds will be run on an EBM basis and as a result its use has increased. Based on the findings of the study as well as the findings of the studies conducted it can be concluded that clinical librarian services in different fields can have a positive impact on physicians' information seeking behavior

Keywords: Clinical Librarian, Evidence-Based Medicine, Clinical Decision Making, Action Research, Children's Medical Center Hospital, Pediatric Intensive Care Unit