

عنوان مقاله:

The impact of the journal club on nurses awareness of blood culture contamination

محل انتشار:

بیستمین کنگره بین المللی میکروب شناسی ایران (سال: 1398)

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خلاصه مقاله:

Introduction and Objectives: Contamination of blood cultures is common from microorganisms outside the bloodstream. This contamination delayed or imprecise treatment, increased risks of morbidity, extended the length of hospitalization, increase laboratory work, and increased costs of care. The aim of this study was to develop staff professionalism in drawing blood culture and promote effective change by journal club. **Materials and Methods:** This hospital-wide educational intervention study was conducted with a pretest and posttest design, 100 nurses working in three hospitals affiliated to Tabriz University of Medical Sciences were enrolled in the study in 2019. The journal club based on problem and evidence was done two hours per hospital. Of the 25 articles that were searched for specific terms during the review, two articles were selected. The content of the journal club included a pretest, presentation of two selected articles, question session, and posttest. Data analysis was performed using descriptive statistics a paired t-test. **Result:** The mean age of the participants was 30.15 ± 7.18 years and %75.5 had more than 5 years work experience. The mean score of pretest and posttest was found to be 7.90 ± 3.02 and 13.88 ± 3.27 , respectively. %90 of the participants stated that the information provided was up-to-date and practical. The result showed that nurses awareness of blood culture contamination has a significant statistical difference after the presentation of the journal club ($p < 0.001$). **Conclusion:** Contamination of BCs can never be completely crossed out but there is evidence by increasing the knowledge and skills of nurses based on the best practice BC collection techniques can minimize BC contamination. This study led to the onset of Clinical Audit of Blood Culture contamination in hospitals affiliated to

کلمات کلیدی:

blood culture contamination, journal club, nursing

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