

عنوان مقاله:

Compliance of operating room sterilization procedures with valid Scientific guidelines

محل انتشار:

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خلاصه مقاله:

introduction: Infections caused by surgeries have always been considered a primary concern of medical centers and are associated with irreversible complications. Using appropriate sterilization procedures reduces these complications. This study aimed to investigate how compliant are the current sterilization procedures of operating room (OR) environment and instruments with valid scientific standards. Methods: This cross-sectional, descriptive-analytical study examined ophthalmology, gynecology, and otorhinolaryngology ORs of Valiasr Hospital in Birjand. With the presence of the researcher in the OR, a standard ۴۱-item checklist consisting of three parts (environmental cleaning, equipment cleaning, and sterilization procedure) was completed for each OR in each shift. The data were analyzed using the Mann-Whitney and Kruskal-Wallis test by SPSS (Version ۱۸) in significant level ($\alpha=0.05$). Results: A total of ۵۰ questionnaires were filled out for ORs. The highest number of questionnaires were completed for the gynecology OR, and the most elective surgeries were performed in the morning shift. There was no significant difference between the median score of OR instruments cleaning and that of valid scientific guidelines in terms of sterilization ($P>0.05$). The median scores of sterilization procedures and steps in hospital ORs were significantly different from those of scientific guidelines in the field of sterilization of surgical operations ($P<0.05$). Conclusion: The study findings indicate cases of mismatch between the quality of infection control and sterilization in the ORs of Vali-asar Hospital in Birjand and those recommended by valid scientific standards and guidelines.

کلمات کلیدی:

Sterilization, Operating Room, Infection Control Standard, Surgery

لینک ثابت مقاله در پایگاه سیویلیکا:

