The rate of implementation of antibiotic prophylaxis in women's surgery in Sina Hospital

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ABSTRACT

Introduction: Prescribing antibiotic prophylaxis before surgeries is one of the most effective factors in reducing the risk of surgical wound infections. While prescribing antibiotic prophylaxis, appropriate antibiotic, appropriate dose, appropriate method, duration of using the antibiotic and observing the time interval of using the antibiotic must be considered. This study has been conducted with the purpose of evaluating the rate of implementation of antibiotic prophylaxis in women's surgeries.

Materials and Methods: In years 2015 and 2016 a cross sectional study was conducted on 2618 women's surgeries for six months in Sina hospital in Mashhad. Tools were prepared based on the management caring instructions by a research team. The kind of antibiotic, surgery, time of prescription, appropriate dose and prescribing method were evaluated. The checklist was filled by the head nurse after surgeries and the data was analyzed by SPSS software.

Results: According to the findings, appropriate antibiotic, appropriate injection method based on the kind of the surgeries had been used for 2466 (94.2%) of the patients. 5.8% of the patients had not received any kind of antibiotics. The most common antibiotic was Cefazolin. The average duration of antibiotic prophylaxis injection before the surgery was 29.07±7.6 minutes.

Conclusion: The study proved that the implementation of antibiotic prophylaxis instruction in this center is acceptable.