

## عنوان مقاله:

Comparing the effectiveness of broad spectrum antibiotic prophylaxis with single agent antibiotic prophylaxis to prevent post-cesarean section infection

## محل انتشار:

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## خلاصه مقاله:

**Introduction:** The rate of cesarean delivery is increasing. Infection is one of the most frequent and important complications of emergency cesarean section. Infection prophylaxis has an important role to reduce post-cesarean delivery complication. The aim of this study was to compare the effectiveness of broad spectrum antibiotic prophylaxis (Azithromycin+Cephalotin) with single agent antibiotic prophylaxis (Cephalotin) to prevent post-cesarean section infection in Shariati hospital patient since August ۲۰۱۲ to August ۲۰۱۳. **Methods:** This clinical trial study was carried out in Shariati hospital of Bandar Abbas, Iran. ۴۲۴ pregnant women were recruited and divided to two groups. Group ۱ received Azithromycin and Cephalotin as a preoperative antibiotic prophylaxis and group ۲ receives routine antibiotic regime (Cephalotin and placebo). To find any signs or symptoms of post-cesarean infection, patients were visited one month after discharge. Collected data entered to SPSS software version ۱۶ and descriptive and comparative test were performed. **Results:** Our findings show that during one month after cesarian, in ۴.۳% (۱۰ cases) of group ۱ patients and ۲۵.۵% (۵۵ cases) of group ۲ patients, symptoms and signs of infection were observed. The difference between two groups was significant ( $P=۰.۰۰۰$ ). We found no significant difference between demographic and other medical details. **Conclusion:** Azithromycin have a significant effect on prevention of post-cesarean infection. Increasing the use of this broad spectrum agent as a part of antibiotic prophylaxis can decrease wound infection and other infectious complications of cesarean delivery.

## کلمات کلیدی:

Antibiotic, Section, Infection, Antibiotic, Section, Infection

## لینک ثابت مقاله در پایگاه سیویلیکا:

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