

## عنوان مقاله:

Molecular identification of Staphylococcus spp in blood infection patients in Rafsanjan city

## محل انتشار:

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

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

**Introduction and Objectives:** Bacterial blood infection causes High mortality on patients, so it has a threat role on infected people, so early diagnosis and cure is necessary. Staphylococcus are known as the most important factor of hospital infections, which contains %30 of whole hospital infections and %50 of bloodstream infections. In this study, the molecular identification of Staphylococcus spp in Suspicious samples to sepsis has been done by PCR method. **Materials and Methods:** A total of 200 blood samples were collected from patient's whit suspected sepsis whom referred to Rafsanjan Medical Laboratory. The amount of 100  $\mu$ l of blood samples were cultivated in Blood Agar and Nutrient Broth respectively. DNA extraction was performed by DNG-Plus kit and PCR method was done to detection of Staphylococcus spp bacteria. **Results:** Of 200 samples collected, 28 samples were cultured in a liquid culture, after it, 24 of them were discriminated as Staphylococcus spp bacteria by molecular method. Compared to other works has been done on the frequency of this bacteria in the development of blood infections, our results in Rafsanjan city is similar to other studies. **Conclusion:** Molecular techniques such as PCR have a high accuracy and high sensitivity and .it is recommended to use this method to detect an infection

## کلمات کلیدی:

Staphylococcus spp, sepsis, PCR

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/987373>

