Improve the accuracy rate of blood culture collection in the emergency room

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**Objectives**

Blood culture blood sampling technology to improve the correct rate to 90%.

**Methods**

Through the TRM team set up quality control circle, the establishment of blood culture training standard operating procedures, through policy advocacy and education and training intervention to provide the correct collection of blood culture steps guidelines to strengthen the order of disinfection steps to replace the type of disinfectant, 2\% Chlorhexidine, to replace the original Alcohol betaiodine, and at the same time to give the use of safety needle group blood collection, regular inspection and monitoring of blood culture and pollution control feedback and so on.

**Results and Conclusions**

The correct rate of blood culture was increased from 28\% to 92\%. Due to change the type of disinfectant to simplify the blood bottle disinfection steps, the original implementation of the three procedures to modify the two to disinfection, and reduce the waiting for sterilization drying time. Additional benefits for the use of safety needle blood, the blood directly into the container, the subjects can not know the amount of blood, thereby reducing the pressure on nurses blood. Only the correct inspection has the correct test results, in order to provide the correct treatment of clinicians and basis, to reduce the waste of medical resources, resulting in decreased proportion of antibiotic abuse, to reduce the production of drug-resistant microbes and enhance the safety of patients with the overall medical treatment quality.

Keywords: Blood culture, Blood collection