

# 3<sup>rd</sup> Annual Meeting on Infectious Diseases, Microbiology & Beneficial Microbes April 27-28, 2022 | Webinar

Volume: 10

## De-adoption of routine skin test for cephalosporin prescribing in a tertiary hospital in China

**Yingqiu Ying**

Peking University Third Hospital, China

Although most hospitals perform **cephalosporin** skin test in China for various reasons. Studies suggest that cephalosporin skin tests are not effective in predicting immediate allergic reactions, leading to unnecessary skin testing procedures, resulting in unnecessary drug consumption. Second-line or high-grade antimicrobials will be selected after a positive cephalosporin skin test, and treatment of severe allergic reactions will be ignored. The National Health and Health Commission of China published Principle for Skin Testing of  $\beta$ -Lactam Antibacterial Drugs in 2021, in which pointed out that there is no need for skin test before cephalosporin use. We launched an AMS programme to cancel **cephalosporin** skin test in our hospital, in which we implemented several interventions, including education programmes for prescribers and nurses, order review-feedback, regular drug use surveillance in cephalosporin skin test, and updated the Regulation for Skin Testing of  **$\beta$ -Lactam Antibacterial Drugs** in our hospital. Our data show that the AMS programme has a significant impact on the de-adoption of routine skin test for cephalosporin prescribing, the cephalosporin skin test operations reduced and consumption structure of antibiotics was improved in our hospital.

### Biography

Yingqiu Ying is a infectious disease pharmacist of Pharmacy department in Peking University Third Hospital. She is Associate-Chief pharmacist in Peking University Third Hospital. She received her M.D. in clinical pharmacy at Peking University. As the only anti-infective specialist pharmacist in the hospital, she has more than 10 years experiences in clinical practice and AMS programmes. Her research interest includes AMS roles in rational use of antibiotics, evidence based drug evaluation in infectious diseases. She is the Young vice-chairman of anti-infective pharmacology Committee of Beijing Pharmacological Society. She is the author or coauthor of more than 30 papers in journals and more than 10 conference contributions. She won the third prize of the 2021 Chinese Hospital Association Hospital Science and Technology Innovation Award for her outstanding achievements in the fight against COVID-19.

yingyingqiu@bjmu.edu.cn