

Effectiveness of Disc Diffusion Method for Vancomycin Sensitivity Testing of *Staphylococcus aureus* [Letter]

Nitin Kumar, Sourav Sen

Department of Microbiology, Symbiosis Medical College for Women, Symbiosis International (Deemed University) (SIU), Lavale, Pune, Maharashtra, India

Correspondence: Nitin Kumar, Department of Microbiology, Symbiosis Medical College for Women, Symbiosis International (Deemed University) (SIU), Lavale, Pune, Maharashtra, India, Email nitingoel222@gmail.com

Dear editor

We read this study¹ with great interest. This study focused on isolation, identification and antibiotic sensitivity pattern of bacterial isolates from postsurgical site infections in public hospitals in Northern Jordan. The study mentioned various methods to identify bacterial isolates, which were further subjected to antibiotic sensitivity testing as per CLSI guidelines.²

We would like to add some comments regarding this study and suggest the criteria for identification and antibiotic sensitivity testing need to be urgently revisited:

1. A minor change needs to be made in the title, which indicates it as a multicentric study involving several hospitals in Northern Jordan, whereas author has collected samples from one single hospital.
2. The susceptibility testing using vancomycin against *Staphylococcus aureus* is not recommended by any disk diffusion method as per CLSI guidelines.² Authors in the present study have used vancomycin 30 µg disc against *Staphylococcus aureus*.
3. Authors have reported that 87.5% of *Staphylococcus aureus* were sensitive to vancomycin, which is not acceptable due to the use of incorrect methodology. In this context, Vancomycin Resistant *Staphylococcus aureus* (VRSA) being a high priority pathogen as per WHO report-2017 should be identified by the currently acceptable method(s).³

Nevertheless, we congratulate the authors who focused on characterizing pathogenic isolates from various postsurgical site infection in a public health hospital in Northern Jordan.

Disclosure

The authors report no conflicts of interest in this communication.

References

1. Ennab R, Al-Momani W, Al-Titi R, Elayan A. Antibiotic profile of pathogenic bacteria isolated from postsurgical site infections in public hospitals in Northern Jordan. *Infect Drug Resist.* 2022;15:359–366. doi:10.2147/IDR.S350406
2. Xu Y, Wang B, Zhao H, et al. In vitro activity of vancomycin, teicoplanin, linezolid and daptomycin against methicillin-resistant *Staphylococcus aureus* isolates collected from Chinese hospitals in 2018–2020. *Infect Drug Resist.* 2021;14:5449–5456. doi:10.2147/IDR.S340623
3. WHO. Media Centre. News Release. WHO publishes list of bacteria for which new antibiotics are urgently needed; 2017. Available from: <http://www.who.int/mediacentre/news/releases/2017/bacteria-antibiotics-needed/en/>. Accessed February 21, 2022.

Dove Medical Press encourages responsible, free and frank academic debate. The content of the Infection and Drug Resistance 'letters to the editor' section does not necessarily represent the views of Dove Medical Press, its officers, agents, employees, related entities or the Infection and Drug Resistance editors. While all reasonable steps have been taken to confirm the content of each letter, Dove Medical Press accepts no liability in respect of the content of any letter, nor is it responsible for the content and accuracy of any letter to the editor.

Infection and Drug Resistance

Dovepress

Publish your work in this journal

Infection and Drug Resistance is an international, peer-reviewed open-access journal that focuses on the optimal treatment of infection (bacterial, fungal and viral) and the development and institution of preventive strategies to minimize the development and spread of resistance. The journal is specifically concerned with the epidemiology of antibiotic resistance and the mechanisms of resistance development and diffusion in both hospitals and the community. The manuscript management system is completely online and includes a very quick and fair peer-review system, which is all easy to use. Visit <http://www.dovepress.com/testimonials.php> to read real quotes from published authors.

Submit your manuscript here: <https://www.dovepress.com/infection-and-drug-resistance-journal>

<https://doi.org/10.2147/IDR.S363499>