

Review of: "Meropenem Usage Assessment amid the Antibiotic Resistance Crisis: A Comprehensive Analysis in a Tertiary Care Hospital in Pakistan"

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Potential competing interests: No potential competing interests to declare.

I appreciate getting the chance to read this manuscript. This study is very valuable considering the antibiotic resistance crisis. Carbapenems are very effective antibiotics in the treatment of Gram-negative microorganisms, which can lead to the emergence of resistance with their irrational use.

I hope the authors will consider my detailed comments to improve the quality of the manuscript.

1- In the introduction, it is better to use newer studies related to resistance to antibiotics, especially carbapenems, and the side effects, interactions, and dose adjustment of meropenem in patients with kidney disorders should also be mentioned.

2- In the results section, 36% of meropenem uses are reported based on culture.

It is better to report in a table the type of microorganisms as well as the names of the cephalosporins to which there was resistance.

3- In the results section, first determine what percentage of patients needed meropenem dose adjustment (advanced age or high serum creatinine), then determine what percentage of these patients did not have dose adjustment. In general, figure 2 should be modified.