

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 73503

Title: Vancomycin dosing in an obese patient with acute renal failure: A case report and systematic review

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04841125

Position: Editorial Board

Academic degree: BPharm, FACP

Professional title: Associate Professor, Pharmacist

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-23 10:07

Reviewer performed review: 2021-12-01 16:54

Review time: 8 Days and 6 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

I read, vancomycin dosing in obesity with acute renal failure: A case report and systematic review. In this manuscript, the authors were reported a case of vancomycin dosing adjustment in an obese patient (body mass index 78.4kg/m²) with necrotizing fasciitis of the scrotum and left lower extremity accompanied with acute renal failure. I have some questions and suggestions.

1. Can you explain why this study is new or telling new things?
2. Line 73-79: You keep repeating about obesity. Please summarize the new sentence to make it easier to understand. Please re-write again about "obesity".
3. In this case, how do you differential diagnosis between Staphylococcus hemolyticus infection and colonization. How about your criteria for diagnosis?
4. Line 147; For treatment Staphylococcus hemolyticus, why do you discontinue linezolid and start intravenous infusion of vancomycin? How about the effect of linezolid PK on a severely obese patient?
5. Line 149-150: Due to infusion-related reaction peculiar to vancomycin, please add details about the administration time of vancomycin in a dosage of 1-2 g.
6. Line 221.....obtaining optimal target blood concentrations, and improve clinical efficacy. The next paragraph, I suggest adding more reference and detailed description of serum trough concentrations as a surrogate marker correlation of vancomycin AUC/MIC. Please see: Issarangoon Na Ayuthaya S, et al. Correlation of the vancomycin 24-h area under the concentration-time curve (AUC₂₄) and trough serum concentration in children with severe infection: A clinical pharmacokinetic study. Int J Infect Dis. 2020;92:151-159. doi:10.1016/j.ijid.2019.12.036
7. Line 223: The authors mention about vancomycin in critically ill patients. Could you please insert/use/discuss about vancomycin parameters in critically ill (e.g. CL) patients? Please see:

doi.org/10.2147/IDR.S121513 8. Please provide more data of importance of physician around the world to recognize vancomycin dosing adjustment in an obese patient. Minor 1. Line 36: : Please write "*Acinetobacter baumannii*" in italics. 2. Line 36: : Please write "*Staphylococcus hemolyticus*" in italics. 3. Please add initial serum creatinine and GFR of this patient in treatment section.

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Peer-review model: Single blind

Reviewer's code: 05395420

Position: Editorial Board

Academic degree: MS, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-04 08:50

Reviewer performed review: 2021-12-04 09:13

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Dear Authors Congratulations on this wonderful piece of work on vancomycin titration for obese individuals. I would recommend the authors to give a summary table on the standard dosing regimen for various category of individuals based on their weight and comorbidis and the parameters that has to be monitoring to determine the adequacy of dosing for ease of understanding to the readers

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Peer-review model: Single blind

Reviewer's code: 04702120

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Thailand

Author's Country/Territory: China

Manuscript submission date: 2021-11-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-12-03 04:44

Reviewer performed review: 2021-12-11 09:51

Review time: 8 Days and 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

Dear Authors, Thank you very much for reviewing the Vancomycin dosing in obesity with acute renal failure. Please check the manuscript for invalid writing again.
Reviewer