Author's response to reviews

Title: Endocarditis caused by methicillin-susceptible Staphylococcus aureus with reduced susceptibility to vancomycin?: First case report in Argentina.

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Endocarditis caused by methicillin-susceptible *Staphylococcus aureus* with reduced susceptibility to vancomycin?: First case report in Argentina.

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The changes are written in red in the revised manuscript.

**Associate Editor's recommendation:**

1. The proposed dose of Vancomycin (25-30 mg/kg/8-12 h) is very high and not consisted with the Recommendation in the cited reference [4], where is stated that Vancomycin dosages of 15?20 mg/kg (based on actual body weight) given every 8?12 h are required for most patients with normal renal function.

   The dose of 25-30 mg/kg is recommended as loading dose, and as maintain dose is recommended 15-20 mg/kg iv q8-12h.

   Please correct.

   Answer: The phrase was corrected in red in the Discussion page 6 line2 as follows: “The use of high doses of vancomycin (15-20 mg/kg/8-12 h) in complicated infections to obtain trough serum concentrations of 15-20 mg/l and an AUC/MIC of >400 has elicited a better therapeutic response in strains with MICs ≤1 µg/ml, despite higher rates of nephrotoxicity which require serum concentration monitoring of the drug [4].”

2. The phrase high digestive bleeding (HDB) is better to changed as upper gastrointestinal bleeding (UGB)?

3. Please write endovenously? intravenous (IV)

   Answer: The phrase was changed red in the Case presentation page 3 lines 13-15 as follows: “We describe the case of a 66-year-old Hispanic man with history of diabetes, psoriasis, smoking, enolism, hospitalization in the previous year due to upper gastrointestinal bleeding (UGB), gastric ulcer and bacteremic lower limb cellulitis caused by MSSA, who received cephalothin intravenous (EV) for 14 days”.

3. Please write
? instead ?erythrosedimentation? erythrocyte sedimentation rate (ESR)?

Answer: The phrase was changed in red in the Case presentation page 3 line 24 as follows: “The hematological study showed hematocrit levels of 28%, a hemoglobin concentration of 9.6 g/dl and a white blood cell count of 11,600/mm3 with 85% of polymorphonuclear leukocytes, a platelet count of 197,000/mm3 and an erythrocyte sedimentation rate (ESR) of 130 mm in the first hour”.

4. Please add ?and vertebrae? at the end of the sentence ?This persistent bacteremia could be due to the presence of a metastatic infectious focus, such as that in the left iliopsoas muscle? and vertebrae

Answer: The phrase was changed in red in the Discussion page 5 line 23 as follows: “This persistent bacteremia could be due to the presence of a metastatic infectious focus, such as that in the left iliopsoas muscle and vertebrae”.

5. At the end of the phrase (Conclusion) ?This study constitutes the first report in Argentina of treatment failure with vancomycin? is better to be continued as following ?in acute infection caused by a hVISA methicillin-susceptible Staphylococcus aureus?.

Answer: The phrase was changed in red in the Conclusion page 8 line 13 as follows: “This study constitutes the first report in Argentina of treatment failure with vancomycin in acute infection caused by a hVISA methicillin-susceptible Staphylococcus aureus”