Reviewer's report

Title: Molecular Typing and Characterization of Nasal Carriage and Community-Onset Infection Methicillin-Susceptible Staphylococcus aureus Isolates in Two Taiwan Medical Centers

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Reviewer: Liangxing Wang

Reviewer's report:

This study described the molecular characteristic, antimicrobial susceptibility and virulence determinants among 100 nasal carriage and 34 community-onset infection MSSA isolates by pulsed-field gel electrophoresis (PFGE), spa typing, multilocus sequence typing (MLST), agr typing. The authors found that the majorities of community onset MSSA infections belonged to a few lineages while the nasal carriage isolates belonged to many different clonal lineages. However, the present study did not have merit for current molecular epidemiology of S. aureus infection. Compared with nasal carriage isolates, size of infection isolates is small.

Level of interest: An article of limited interest

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: No, the manuscript does not need to be seen by a statistician.