Reviewer’s report

**Title:** Staphylococcus aureus Bacteriuria as a Prognosticator for Outcome of Staphylococcus aureus Bacteremia: a case-control study

**Version:** 3 **Date:** 21 May 2010

**Reviewer:** Marek Brabec

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This is an interesting paper dealing with a practically important topic. It uses standard and appropriate statistical methodology. It should be published. It has certainly quite a few limitations, but those are openly stated in the text. To reach a definite conclusion, much larger (and more controlled) study is needed. The presented study can be taken as a pilot study in that respect.

I could not see the Figure on page 15 where the figure caption is located. It appears (with no caption and no number) at the very last page, instead.

Here are some specific places where corrections are needed in the text:

- Page 3, 4-th line of Results, change font in „surgery“ and „and genitourinary infection“ to normal.
- Page 3, change „In multivariate analysis …“ to „In multiple Cox regression analysis …“
- Page 8, change „Independent variables …“ to „Explanatory variables …“ (otherwise, the statement is unnecessarily bizarre).
- Page 8, „The mean age of case and control patients was 48.3 years; 68.5% were male …“ – is this meant as that the mean (and other characteristics) of the pooled dataset, created by joining cases and controls is 48.3? Or, is the mean 48.3 for both cases and controls (probably not, in the light of information given in the Table 1)? This should be clarified.
- Page 9, Multivariable or multiple Cox regression in place of “In multivariate analysis (table 2) …” and in Table 2, also Table 4.
- Page 9, “in univariate or multivariate analysis” to “in univariate or multivariable analysis”, similarly later on the same page (and other places of the text).