Reviewer’s report

Title: Hypersensitivity reaction with multi-organ failure following re-exposure to rifampicin: case report and review of the literature including WHO spontaneous safety reports

Version: 0 Date: 03 Jan 2019

Reviewer: Lucien Roulet

Reviewer’s report:

This case-report is interesting and well-written. It provides a useful update about an already old literature.

A few questions remain to be clarified:

P3, L20: please specify the patient’s weight, as well as his ethnic origin (which can have an important influence on metabolic aspects)

P3, L22: staphylococcus epidermidis should be written in italics, with a capital letter on the gender name, in accordance with the international convention

P3, L31: please add a reference to explain which standard you are referring to when you write about the « treatment concepts of prosthetic joint infections »

P3, L42: « Just hours »: imprecise, please mention the exact delay (in hours), if possible

P3, L44: « CT-scan »: all abbreviations must be explicited

P3, L47 (as in P4, L31): unless I am mistaken, you never mention a biological value of creatinine or an estimate of kidney function. In my opinion, this information is lacking

P3, L55-56: according to the convention in pharmacovigilance, liver function values are usually expressed as multiples of the local standard, which makes it easier to interpret the results. Could you make it there, as done later in the discussion section?

P4, L22-37: please give some additional information about the steroid regimen, especially on the switch from IV to PO administration

P5, L58: trazOdone (instead of trazAdone)

P7, L29-40: I appreciated the discussion on the issues related to information traceability and information loss at interfaces. This problem deserves to be particularly highlighted. I would like to ask the authors to add a few words and one or two references on the issue of risks at interfaces
in healthcare (as shown for example by the "progress!" programme of the Patientensicherheit Schweiz Foundation)

**Are the methods appropriate and well described?**
If not, please specify what is required in your comments to the authors.

Yes

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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