Reviewer’s report

Title: Tropical pyomyositis as a presenting feature of sub-clinical leukaemia, a case report

Version: 3 Date: 2 December 2014

Reviewer: Olusola Oduntan

Which of the following best describes what type of case report this is?: Unexpected or unusual presentations of a disease

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: Yes

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: Yes

Does the case report have diagnostic value?: Yes

Will the case report make a difference to clinical practice?: Yes

Is the anonymity of the patient protected?: Yes

Comments to authors:

Nice report of presentation and aggressive management of a potentially lethal condition.

As pointed out by the authors, it is very possible that diabetes mellitus could be the etiology of the pyomyositis in this patient. What is missing in the report was his blood glucose level at presentation and after adequate treatment of the septic focus. The poor diabetic control, in my mind, is most likely the primary cause of the infection. Synergistic influence of a yet-to-be-diagnosed acute leukemia is only contributory.

Another factor to consider was whether or not the patient was injecting his anti-diabetic medication into the affected muscle group.

Overall, the authors have demonstrated that early and aggressive drainage of
abscess, and appropriate antibiotic selection play key roles in salvaging what was destined to progress to a disastrous outcome. I congratulate you on the successful outcome.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Declaration of competing interests:**

I declare that I have no competing interests