Reviewer’s report

Title: Computationally approximated solution for the equation for Henssge's time of death estimation

Version: 0 Date: 20 Jun 2018

Reviewer: Bram Bekaert

Reviewer's report:

This (long overdue) manuscript details the computational mathematics behind the online Henssge model used by forensic pathologists worldwide.

I have a few short comments:

- A short and simple explanation why approximation was used would be informative for the reader.

- The authors mention that a particular advantage of the computational model over the nomogram is the ability to model hypothermia and hyperthermia by allowing a variable initial body temperature. Did the authors take into account that both conditions have an effect on the temperature plateau and thus on the time of death estimation?

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.

I am able to assess the statistics
**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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