Reviewer's report

Title: Development of a Real-Time Clinical Decision Support System upon the Web MVC-based Architecture for Prostate Cancer Treatment

Version: 5 Date: 29 December 2010

Reviewer: Alexandra Floares

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- Minor Essential Revisions

1. In Abstract: “Methods: For processing data computation within heterogeneous systems…” - processing data computation sounds strange.

2. It is unusual to consider stage (TNM) and grade as markers. Please use the term properly.

3. In the Methods section, at the end of the second paragraph: “In the other word, the MVC-based architecture may be imagined as a human being who has organs (model) to create physiological functionalities; has eyes, ears, or limbs (view) to sense or behave responses; and has a brain (controller) with the neural system to structure persistent communications throughout the whole body.” I suggest to the author to remove this comparison as it does not help the readers to understand better the proposed system.

4. In the section System Requirements for Decision Support -“Prostate cancer is known to occur when the cells of the prostate mutate” – only genetic mutations make sense.

5. The Conclusion section should be revised. The author needs the help of the experts (English scientific writing) suggested by the Editor to improve the quality of the paper.

6. It is still not clear if the authors transformed the NCCN guidelines (PDF files) in interactive guidelines or not. If not, the term interactive should not be used for an electronic document. Please clarify.

7. In the first evaluation I have mentioned the prostate cancer nomograms. I suggest to the authors to look at the following site: http://www.mskcc.org/mskcc/html/10088.cfm and shortly compare their contributions with that algorithms.

Level of interest: An article of importance in its field

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.
Declaration of competing interests:

I declare that I have no competing interests.