Reviewer's report

Title: High-resolution 3D micro-CT imaging of breast microcalcifications - a preliminary analysis

Version: 3 Date: 8 October 2013

Reviewer: vineet gupta

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In this manuscript “High-resolution 3D micro-CT imaging of breast microcalcifications – a preliminary analysis” authors have analyzed the microcalcifications by routine mammography and micro-computed tomography (micro-CT). Authors present the data that micro-CT is a unique tool to understand the morphologic characteristics of benign and malignant microcalcifications. Overall, this is an interesting article that sheds light on the micro-CT and its use in the 3D evaluation of microcalcifications. The data interpreted appropriately but there some minor concerns.

Major Revisions: None

Minor Essential Revisions

1. The manuscript seems to be written in a hurry. Throughout the text, there are sentences for which clarity would be greatly improved with the help of a scientific English language correction service. Here is an example of such unclear sentence (first sentence of the second paragraph in discussion): “Pathology has performed the role of “gold standard” in diagnosing breast carcinoma for a long time ".” Introduction and discussion sections are too long and unfocused. It is best that the manuscript be re-written concisely.

2. Please change the figure legends in more clear and concise way and label the graphs (A, B & C) in figure 3 and figure 4.

Discretionary Revisions: None

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

"I declare that I have no competing interests ".