Reviewer's report

Title: Mammographic density and inter-observer variability of pathologic evaluation of core biopsies among women with mammographic abnormalities

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Reviewer: Manuela Lacerda

Reviewer's report:

In this article the authors evaluate the influence of mammographic density on the inter-observer variability of histopathological findings.

1. In this study, 55% of the women underwent a mammographic-guided core biopsy. It is a very high percentage. What were the mammographic alterations?

2. 55% of mammographic-guided core biopsy induces a bias in the data analyzed. With other radiological techniques (e.g. ultra-sound or/and MRI) that allow solving the problem of breast density, the radio-histological correlation is optimized;

3. It is not specified if the pathologist who made the first diagnosis has access to the radiological images (in the paper it is only mentioned that the pathologist received the x-ray images);

4. It is not specified how the correlation between the radiology and the histological diagnosis is established (e.g. only with mammography? or also with ultra-sound image and or MRI?).

5. The authors focused the discussion on the correlation between mammography and histological diagnosis and did not analyze the correlation between other radiological techniques (e.g., ultrasound or MRI with histological diagnosis)

Level of interest: An article of limited interest

Quality of written English: Acceptable

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'