Reviewer's report

Title: Visualization of multimodal polymer-shelled contrast agents using ultrasound contrast sequences - An experimental study in a tissue mimicking flow phantom

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Reviewer: ELISABETTA BIANCHINI

Reviewer's report:

This study aimed to test multimodal polymer-shelled contrast agents using ultrasound contrast sequences in a tissue mimicking flow phantom.

The manuscript addresses an interesting technical issue and it should be considered for publication in “Cardiovascular Ultrasound”. Here are some minor, but important, suggestions that might be helpful to overcome the paper’s limitations.

Minor Essential Revisions:

1) Materials and Methods-page 4: please provide a B-mode image showing the phantom obtained by the ultrasound equipment without contrast agent.
2) Materials and Methods-page 7: please give more details regarding the choice of the mechanical index range.
3) Results- page 9: comments regarding the obtained results should be reported only in the discussion section.
4) Discussion-page 10: I would suggest shorten the "Discussion" part in order to make the paper clearer. In addition, more is needed in terms of discussion regarding the clinical implications of the proposed work.

Level of interest: An article of importance in its field

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

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