

Dear Ying Du editor:

Thank you for your letter and your comments on our manuscript entitled "Breast nonmass-like lesions on contrast-enhanced ultrasonography : Feature analysis and BI-RADS classification assessment"(manuscript ID 52690). Those comments are very helpful for revising and improving our paper, as well as the important guiding significance to other research.

We have studied the comments carefully and made corrections which we hope meet with approval. According to the comments of reviewers, I made the following changes to the article.

1. Author information revision: add zip code and specific department of Xuping

Answers: add The second hospital of Shandong University zip code 250000 ,Medical College of Shandong University zip code 250100 ,Beijing Shijitan Hospital zip code 100038, and change the Department of Ping Xu to Medical College of Shandong University

2. Adjust author order

Answers: according to the Convention, the correspondence author Shao Guangrui will be transferred to the end

3: add a small background description to the summary

Answers: add research background description:

Breast nonmass-like lesions (NMLs) is accounting for 9.2% of all breast lesions .The specificity of ultrasound diagnosis of NMLs is low and it cannot be objectively classified according to the fifth edition of the Breast Imaging Reporting and Data System (BI-RADS). Contrast-enhanced ultrasound (CEUS) can help to differentiate and classify breast lesions, but there are few studies on NMLs alone.

4: delete “nonmass-like lesions” and “ Contrast-enhanced ultrasound” , , only keep abbreviations, because the full abbreviation has been marked before

5: provide full name for the first abbreviation

Answers: add the full name of BI-RADS, breast imaging reporting and data system, CEUS, contrast-enhanced ultra sound, CDFI, color Doppler flow imaging

6: the first level title shall be bold in all capitals, the second level title shall be bold in italics, and the third level title shall be bold only

Answer: it has been modified according to the format requirements.

7: annotation 9 is this the title?

Answer: I'm very sorry for my mistake. In the revised version, I have deleted it.

8: please write the article highlight section accordingly

Answer: it has been filled in as required.

That's all.

Looking forward to hearing from you.

Thank you and best regards.

Yours sincerely,

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