Reviewer’s report

Title: Echogenic Foci in Thyroid Nodules: Diagnostic Performance with Combination of TIRADS and Echogenic foci

Version: 0 Date: 12 Feb 2019

Reviewer: Banu Alicioglu

Reviewer’s report:

The authors studied retrospectively diagnostic performance and malignity prediction of thyroid nodules with combination of various TIRADS system and echogenic focus and they reached a PPV of 50-90.9%.

Malignancy rate was high (77.8%) in solid nodules with echogenic focus and comet-tail artifact. Echogenic focus are generally accepted microcalcifications and mostly psammoma bodies, it is reasonable with high incidence of papillary cancer. But according to your study, 6 of the 9 follicular cancer, 11 of 25 other cacancer had echogenic focus. What could represent echogenic foci in those tumors? What represent comet tail artifact histopathologically?

Material and method: 'Spongiform appearance' of the nodules were assessed but in results never been mentionned about it.

Please give sonographic figures of all 6 types of echogenic focus.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.
I recommend additional statistical review

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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