

Dear Editor,

Thanks for your kindly reply and valuable advices of our manuscript. After careful reading of the review reports from the reviewers, we revised the manuscript according to the comments. As a literature review, we added more relevant knowledges of different aspects about AAM in the first section of discussion, including epidemiology, clinical manifestations, imaging examinations, treatment and prognosis. And the literatures were updated. Because we aim to discuss the role of ultrasound in this disease, we focused on the imaging features of AAM on ultrasound and the correlation of imaging findings and histology in the rest sections of the discussion part. Specific revisions were made in this part based on the advices provided by the reviewers. The revised contents were marked in red, and the modified words were marked in blue.

We are looking forward to your consideration for our article.

Best regards.

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Review 1

Comments of this reviewer are: In the discussion the authors should clearly state: a. how this study adds in the existing literature, and b. the limitations of the study.

Reply:

The special aim of our article was added in the last paragraph of the discussion part. We

mainly focused on the role of ultrasound in this rare disease. Thus, we reviewed the previous literature of AAM about ultrasound imaging, and summarized the ultrasonic features of AAM based on our findings and literatures. (Page 7 Line 43-44, Page 8 Line 1-2)

The limitations of the study were also added in the last paragraph of the discussion part, integrated with the former discussion about the use of new ultrasound modalities in the diagnosis of AAM. (Page 8 Line 3-10)

## Review 2

Add more on the basic of this disease in the introduction

English language correction through the manuscript -More about imaging findings of this tumor using this ref -Razek AA, Huang BY. Soft tissue tumors of the head and neck: imaging-based review of the WHO classification. Radiographics 2011;31:1923-54. –

Discuss role of advanced imaging such as diffusion and perfusion using these ref -Razek AA. Diffusion-weighted magnetic resonance imaging of head and neck. J Comput Assist Tomogr 2010;34:808-15. -Abdel Razek AA, Gaballa G. Role of perfusion magnetic resonance imaging in cervical lymphadenopathy. J Comput Assist Tomogr 2011;35:21-5.

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Update of references as most of references are old

Reply:

More basic contents of AAM was added in the introduction part. (Page 2 Line 27-32)

Some words about the imaging descriptions were revised according to the reference

provided by the reviewer. (Razek AA, Huang BY. Soft tissue tumors of the head and neck: imaging-based review of the WHO classification. Radiographics 2011;31:1923-54) The revised expressions were highlighted in blue.

The use of the advanced imaging methods including DWI and DCE MRI in the diagnosis of AAM was added in the discussion part of MRI imaging, and relevant literatures were supplied. (Page 6 Line 19-24)

The cited literature was updated in the discussion part.

### Review 3

This is one of the works in the literature that reports more cases of aggressive angiomyxoma. I think it is well done and the iconography is good and well described. It might be useful to add some data on ultrasound differentiation with other similar lesions

Reply:

More diseases needed to be differentiated from AAM were added in Page 7 Line 20-37.

We mainly discussed the potential role of ultrasound in helping with the differential diagnosis of these specific diseases.