Reviewer's report

Title: Primary myxofibrosarcoma of the parotid: case report

Version: 1 Date: 20 March 2010

Reviewer: Buelent Polat

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Minor Essential Revisions:

1. Please consider to add the article by Antonescu CR. and Baren A. (published in Ultrastructural pathology, 2004) into your reference list since they evaluated subcellular differences in myxofibrosarcomas and fibromyxoid sarcomas. Give a short comment on the issue of differential diagnosis since your pathological findings could also correspond to the latter one.

2. Give a brief description of the markers which were used in your immunohistochemical analysis (VIM, ACT, SMA, …)

3. Since your presented patient was at a rather young age and recurrences are very common in this tumour entity please give a short comment if there are effective adjuvant treatment options available.

4. There are many spelling mistakes in the text. Please revise your manuscript thoroughly.

5. For better visualisation please ad an arrow for indicating the hypodense tumor in the CT scan on figure 1. Please change the corresponding figure legend into “… scan revealed a well defined soft tissue mass (40 mm x 25 mm, arrow) in the right deep parotid lobe.”

6. Figures. Your manuscript is provided with a total of 6 figures. Please check your figure legends, since here you have different labels for figure 4 (a - c).

7. Figure 2: change the heading e.g. in “during surgery” instead of “in surgeon”

Discretionary Revisions:

1. For a recent overview on histologic subtypes of soft tissue sarcomas consider to add following reference: Guillou L, Aurias A. Soft tissue sarcomas with complex genomic profiles. Virchows Arch. 2010 Feb; 456(2):201-17.

Level of interest: An article whose findings are important to those with closely related research interests

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.