Reviewer’s report

**Title:** Ultra-high b-value diffusion-weighted imaging features of the prostatic leiomyoma-Case Report

**Version:** 0  **Date:** 10 May 2017

**Reviewer:** Frederik De Keyzer

**Reviewer's report:**

Discretionary Revisions:

*/ Abstract, Line 28: "no reports have described the DWI and ADC findings of prostatic leiomyomas". A recent paper by Mussi et al seems to describe these for 3 cases at once. However, they only have b-values up to 800 I believe, so what you mention in the rest of the text regarding 'ultrahigh b-value' can still be considered correct.

Minor Essential Revisions:

*/ Abstract, Line 33: "showed a homogeneous slightly hypointense than skeletal muscle" should be something like "showed a homogeneous lesion, slightly hypointense compared to skeletal muscle". You have other similar constructs later on, which should be corrected as well.

*/ Case Presentation, Line 70: "phasedarray" should be "phased array" or "phased-array".

*/ Multiple times you state "was enhanced obviously" (for instance, but not limited to, Line 88 and Line 96). Please rephrase this to something like "was strongly enhanced" or "showed clear enhancement".

*/ Lines 88 and 282: I assume with "aerial phase" you mean "arterial phase"?

*/ Line 139: "its typically features" should be "the typical features".

*/ Line 174: "uniformcigar-shaped" should be "uniform cigar-shaped".
Major Compulsory Revisions:

*/ References: I would certainly expand the literature comparison to add the latest reports on prostate leiomyoma. I immediately found two references that are worth discussing (Mussi et al Einstein 2016;14(3):374-377, and Ringoir et al. Urology Case Reports 2016;9:45-47). Especially the former includes 3 cases with DWI and ADC maps, which should be compared with your case.

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.

Yes

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.

Not relevant to this manuscript

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