Reviewer's report

Title: Diagnostic value of Diffusion-Weighted MR imaging in thyroid disease: application in differentiating benign from malignant disease

Version: 2 Date: 7 December 2012

Reviewer: Ahmed Abdel Razek

Reviewer's report:

the manuscript needs major corrections

Introduction:
• OK

Material and methods:
• Better defined the inclusion and exclusion criteria.

Results:
• Add table for the ADC value of benign and malignant lesions at different B value with their sensitivity, specificity and AUC:

Discussion:
• There is bias from selection of B value less than 500 because it is associated with perfusion effect.

Ref:
• Ref 12, 18 is the same

Figures:
• Add arrow for the lesion and ROI on one lesion
• You can include images of ADC map beside DWI
• Figure 1 is cyst did you measure in the cyst or what is the ROI localization
• It is better to put solid lesion
• Figure 2 shows lesion of the left side of thyroid gland and adjacent lesion. It is better to localize the

Level of interest: An article of importance in its field

Quality of written English: Acceptable

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