Reviewer’s report

Title: The Apparent Diffusion Coefficient (ADC) Ratio: Can it be Used as an Adjuvant Tool for Prostate Cancer Assessment of Tumor Aggressiveness?

Version: 1 Date: 27 October 2013

Reviewer: Hitoshi Masuda

Reviewer’s report:

Major Compulsory Revisions

The current study demonstrated that ADC ratios as intra-patient normalization diagnostic tools may have high diagnostic ability in detecting high grade tumors compared with the analysis based on tumor ADCs alone. This paper has much attractive information. However, several points should be clarified.

1. Normal central and peripheral zone ADC values in group with Gleason 6 and 7 were significantly lower than those with Gleason 8 and 9. This finding appears to be very interesting. Please explain the reason if possible, at least in part, speculation.

2. In this study, if you include T2W for detecting tumors, difference of AUC between two groups remained unchanged?

3. Purpose of this study seems to use DW-MRI before biopsy. Please comments in the Discussion.

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: Yes, and I have assessed the statistics in my report.