Author's response to reviews

Title: The value of diffusion-weighted imaging in assessing the ADC changes of tissues adjacent to breast carcinoma

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Advances in Knowledge:
1. Apparent diffusion coefficient (ADC) values between malignant and benign lesions in breast were compared by diffusion weighted imaging (DWI) and the threshold value of ADC with which malignant breast lesions can be distinguished from benign lesions was defined.
2. In our present study we first applied DWI to compare the ADC values of malignant tumor with that of the peripheral tissue and we found that from tumor to its peripheral tissue, their ADC values gradually increased.

The Implications for Patient Care:
1. ADC value was a sensitive and specific parameter that could help to differentiate benign and malignant breast lesions.
2. ADC changes in tissues adjacent to breast carcinoma could be detected by EPI-DWI, which made EPI-DWI a promising method for helping to determine surgical scope of breast carcinoma.