

# QIBA Dynamic Contrast-Enhanced (DCE) MRI Biomarker Committee (BC) Call

Monday, February 3, 2020 at 11 a.m. (CT)

## Call Summary

### In attendance

Caroline Chung, MD (Co-Chair)

Hendrik Laue, PhD (Co-Chair)

Nancy Obuchowski, PhD

Mark Shiroishi, MD

Kyunghyun Sung, PhD

### RSNA staff

Julie Lisiecki

**Moderator:** Drs. Chung and Laue

### Profile Progress

*Cut point for a measurable decrease in Ktrans*

- Dr. Obuchowski discussed cut point language that is necessary to demonstrate real change
- It is best not to make the cut point at 56% or too close to that number; this could prove very confusing and could be potentially dangerous
- It is better to choose a cut point well above or below 55 to demonstrate significant change; Dr. Laue will change this number to 65%

*Zero question*

- A higher base ktrans could be used since the example of 0.0 for the decrease example is not helpful

*3T and T1*

- 1.5T was recommended, if possible, with a B1 correction
- While the team wants to update the Profile to demonstrate how 3T is properly used, there is a problem with 3T that cannot be accurately specified in order to correct it
- Consensus was to use a B1 correction and contact the corresponding vendor for the proper sequence, while also referring to the details provided in Appendix G of the Profile
  - Dr. Sung was able to obtain some details from GE, Phillips, and Siemens, and these have been added to Appendix G

### Action items:

- Dr. Sung to contact Drs. Erickson and Wu of the QIBA DSC-MRI BC for a cross-reference opinion regarding dose
- Dr. Sung to review Appendix D and provide any edits needed before the next call
- Dr. Laue to look at T1 mapping text
- Dr. Chung to draft a conformance (process) document to match the Profile sections, using the tables in the checklist for reference

**Next call:** Monday, February 17, 2020 at 11 am CT (1<sup>st</sup> & 3<sup>rd</sup> weeks of each month)

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