

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

Monday, October 14, 2019 at 11 AM (CT)

Call Summary

Participants

Caroline Chung, PhD (Co-Chair)
Michael Boss, PhD

Hyunki (Harrison) Kim, PhD, MBA
Cristina Lavini, PhD

Nancy Obuchowski, PhD
Qing Yuan, PhD

RSNA

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Chung

Profile Progress

- Dr. Lavini provided an update on successful in vivo testing that was completed using Dr. Nayak's data
 - B¹ sequences were mapped using a T¹ correlation
 - At a recent conference, Dr. Lavini networked with Dr. Paul de Bruin, a Philips representative, who has expressed interest in the QIBA DCE-MRI effort and offered to provide support re: B¹ correction efforts; all three major system vendors would be covered re: B¹ mapping issues
- Dr. Chung highlighted updates on the Profile based on Dr. Fedorov's recent publication, which measured the necessary change using an e-coil at 3T
 - Dr. Chung to forward this study publication to the group
 - Dr. Boss to share study details with Dr. Mark Rosen
 - Anyone with additional data related to this study were encouraged to share it with DCE-MRI BC members
- Additional offline discussions regarding B¹ maps to continue
- It was also determined that phantom quality assurance (QA) testing should occur at least with every hardware and software upgrade, if not more frequently for periodic QA

DCE-MRI Profile Review of Section 3 Request

- During the Oct. 14 call, all BC members were asked to review **Section 3** of the latest version of the [Profile](#)
- To avoid making edits to the text itself, feedback/comments should be provided using "[Suggested Edit Mode](#);" comments can also be added in the margin if desired
- **All review/feedback should be completed prior to Monday, October 28th** for discussion during the next call

RSNA 2019 QIBA Posters: The Value of Quantitative Imaging (QI)

- Dr. Boss provided an overview of the poster topic for this year re: demonstration of the value of QI
- MR CC Co-chairs determined that two posters will be needed to accommodate all MR BC content
- Poster contributors were asked to send content slides to Dr. Boss (mboss@acr.org) by the end of October or sooner
- Dr. Obuchowski offered a few statistical slides for inclusion that may be helpful for the MR examples
- Dr. Boss also suggested that Dr. Barboriak's digital reference object (DRO) work on evaluating analysis software performance (reducing variability) be incorporated as well, demonstrating the value of the DRO

Reminder:

- Please [RSVP for the Dec. 4 QIBA Working Meeting](#) during the 2019 RSNA Annual Meeting
- Please [sign up for the RSNA 2019 MTE Sessions](#) at the QIBA Kiosk:
 - Type in your name next to the presentation time slot that works for you (we encourage that each 30-minute time slot is filled by at least one committee member)
 - Simply close out of the document (there is no save button and changes will automatically save)

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Next DCE-MRI BC Call: Monday, October 28th, 2019 at 11 a.m. CT

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