

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

Monday, February 22, 2021 at 11 a.m. (CT)

Call Summary

In attendance

Caroline Chung, MD (Co-Chair)

Hendrik Laue, PhD (Co-Chair)

Cristina Lavini, PhD

Nancy Obuchowski, PhD

James O'Connor, MBBS, PhD

Steven Sourbron, PhD

Divya Yadav, MD

RSNA staff

Joe Koudelik

Susan Stanfa

Discussion of public comments on DCE-MRI Profile

- The [Public Comments Resolution Sheet](#) was referenced to address comments 16 - 21; details on resolutions reached through committee discussion and consensus are included
- DCE-MRI BC members are welcome to work on edits to the [Profile](#)
- Review of Dr. Sourbron's comments continued
- Clarification was requested re: the processes by which consensus is achieved and an overview was provided
- Suggestion to email individuals on the Acknowledgements list, and ask them to confirm whether they wish to be included
- Additional information to be provided re: reasons for being included on the Acknowledgements list; it was noted that some DCE-MRI BC members had contributed to DCE-MRI Profile v1.0, which is the foundation for the current v2.0
- Discussion re: whether the values of Ktrans depend on the indicator used and whether the Profile is relevant for all indicators; substantial difference in pharmacokinetics for the most commonly used agents, e.g., Dotarem, Gadovist, Multihance, is not expected
- Clear Claim language needed to specify the Profile applies to gliomas, focusing on high grades, e.g., 3 and 4
- Explanatory details will be added re: recommendation of the variable flip angle method
- How to handle non-glioma lesions to be determined, e.g., breast, liver, will be addressed in the "Temporal resolution and coverage" subsection in Section 3.6: Protocol and Reconstruction Design; the text will also be reworked for clarity
- Discussion will continue during the March 8 meeting re: the choice of VIF approach in the "Spatial resolution and coverage" subsection in Section 3.6

Next call: Monday, March 8, 2021 at 11 a.m. (CT) [2nd & 4th Mondays of each month]

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