

## QIBA Lung Density Biomarker Committee (BC) Call

August 21, 2019 at 2 PM CT

Call Summary

### In attendance

Charles Hatt, PhD (Co-Chair)  
Michael Boss, PhD

Philip F. Judy, PhD  
Miranda Kirby, PhD

Amin Motahari, PhD  
Nancy Obuchowski, PhD

### RSNA

Joe Koudelik  
Julie Lisiecki

**Moderator:** Dr. Hatt

### Profile Public Comment:

- The CC vote-to-release for public comment was successful. The ballot closed at EOB on Friday, August 16 with a majority (9 votes) in favor to release the Profile (N=16), with 0 “no” votes or abstentions.
- The Profile has been released for a 60-day Public Comment period, which will end Wednesday, October 16, 2019.

### Checklist discussion:

- Dr. Boss, Co-Chair of the MR CC and DWI-MRI BC joined the call to discuss the importance of checklists in the Profile
- He suggested some helpful strategies:
  - To create a checklist from a finished Profile, repeat the specification tables in Appendix F
    - Separating out what each given actor needs to do can be time-consuming, as the Profile is written in semi-chronological order
    - Making Appendix F a mirror image of the specification tables will be helpful
  - In addition, factor into the specifications whether or not something is feasible or reasonable
  - Examples of Profiles with checklists include the CT Volumetry Advanced Disease Profile and the DWI-MRI Profile (both on the [QIBA wiki](#))
  - Get feedback from technologists
    - Dr. Boss suggested that techs review the checklist first, since running through the Profile itself is too daunting
- While the checklists were not ready for public comment, they will be added to the Appendices when complete
- Dr. Boss volunteered assistance to the co-chairs if needed

### Other business / review of July 24 action items:

- Dr. Hatt summarized the quarterly CT CC call regarding the new RSNA poster focus and mentioned that the group should have a better vision regarding the content of the RSNA poster in 2 weeks after the committee meets again.
- Dr. Hatt was invited by Dr. Mulshine to attend the Quantitative Imaging Workshop in Washington DC in October to present QIBA's progress on the Profile and recent work on QI in lung cancer screening.
  - If possible, a face-to-face meeting for others who are attending will be arranged
- Dr. Hatt is working on a CT lung screening repeatability data set to better demonstrate the BC's progress in demonstrating significant change for clinical use

### Protease Inhibitor 10 (Pi10):

- Dr. Hatt to try to identify a speaker who can explain the benefits and uses of Pi10 on a future BC call
- A brief explanatory document may also be helpful

### Action items (provided by Dr. Hatt):

1. Finalize Profile checklist rough draft and send to BC members for review (Dr. Fain)
2. Invite an expert in airway analysis (Jean Paul?) to summarize Pi10 at the next meeting
3. Make progress on reaching out to sites to obtain a repeatability dataset for CAC and lung density in LCS data. Not certain who the best contact would be. (Dr. Hatt to ask Ella.)
4. Poster rough draft for next call (Dr. Hatt)
5. Reach out to leaders of the American Lung Association study that is in planning regarding a possible qualification for the profile (Dr. Lynch)

**Next meeting:** Wednesday, September 25, 2019 at 2 pm CT