

QIBA Lung Density Biomarker Committee (BC) Call

June 26, 2019 at 2 PM CT

Call Summary

In attendance

Sean Fain, PhD (Co-Chair)
David Lynch, MD (Co-Chair)
Charles Hatt, PhD (Co-Chair)

Heather Chen-Mayer, PhD
Bernice Hoppel, PhD
Philip Judy, PhD

Miranda Kirby, PhD
Amin Motahari, PhD

RSNA

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Fain

Leadership Change:

- Dr. Fain announced that he will be stepping down from his role as Co-chair of the QIBA CT Lung Density BC due to other obligations
- Dr. Hatt has agreed to serve as a Co-chair
- Dr. Fain will work with Dr. Hatt to ease the transition during the Profile public comment period (3Q2019)

Preparation for Profile Public Comment:

- Drs. Fain and Lynch have asked that the Profile be sent to the BC for internal review with a ballot to vote for its release
- The BC ballot to release the Profile for Public Comment will have a timeline of two weeks (until EOB, July 12th)
- The CC ballot to release the Profile for Public Comment will have a timeline of 30 days to allow those who are less familiar with the Profile to have time to review it
- Once voting procedures are complete, the Public Comment period will have a timeline of 60 days
- Contacts for international colleagues are needed, particularly Dr. Yoshi Ono and his team
- All BC members are asked to provide 5 names and email addresses,
- Dr. Kirby to provide Canadian contacts
- Dr. Lynch will send some requests for Public Comment feedback directly to his colleagues, in hopes of a better response

Discussion regarding future considerations:

- More discussion is needed regarding how to leverage COPDGene data for the Profile's Checklist as well as how to work in parallel to complete feasibility testing and achieve technical confirmation

Proposed biomarkers for future consideration:

- Airways biomarker
 - Relaxed standards to some degree
 - Fair amount of scaffolding in existing Profile to support development, though there would be additional complications
 - For additional consideration
- Quantitative Pulmonary Imaging with an internal perimeter of 10 mm (PI¹⁰) biomarker
 - Dr. Kirby to take the lead on a literature review to determine if this might be considered
- Regional measures of lung density
- Lobar density
 - Work with Pulmonary Practice and Research Network (PRN)
- Fissure completeness
- Pulmonary Vessel Volume (PVV)

Action items:

- Dr. Fain to review other QIBA Profiles on the wiki for checklist templates
- Dr. Hatt to follow up on combined protocol ideas and to contact Dr. James Mulshine (James_L_Mulshine@rush.edu) to discuss further
- Dr. Kirby to follow up on PI¹⁰ and look for supporting literature
- BC members to provide international or additional names for Public Comment to Drs. Fain (sfain@wisc.edu), Lynch (LynchD@njhealth.org) and RSNA Staff (QIBA@rsna.org).
- Drs. Fain and Lynch intend to promote the Profile at conferences they attend in order to solicit additional feedback

Next steps:

- Additional society or vendor contacts for the upcoming Profile public comment review phase are being sought and can be sent to Drs. Fain (sfain@wisc.edu), Lynch (LynchD@njhealth.org) and RSNA Staff (QIBA@rsna.org).

Next meeting: Wednesday, July 24, 2019 at 2 pm CT