

QIBA Multi-parametric Metrology Call

1 June 2020 at 2 PM CT

Call Summary

Notes provided by Dr. Delfino

In attendance

Nancy Obuchowski, PhD (Co-Chair)
Huiman Barnhart, PhD
Andrew Buckler, MS
Patricia Cole, PhD, MD
Jana Delfino, PhD

Nandita deSouza, MD
Alex Guimaraes, MD, PhD
Erich Huang, PhD
Rudresh Jarecha, MBBS, DMRE, DNB
Chaya Moskowitz, PhD

Gene Pennello, PhD
David Raunig, PhD
Daniel Sullivan, MD
Xiaofeng Wang, PhD

RSNA

Joe Koudelik
Julie Lisiecki

Moderator: Dr. Delfino

Approval of Call Summary

- The notes from May 20, 2020 were approved as presented

Use Case #2, Phenotype classification: (Dr. Delfino)

1. The group reached consensus on a phenotype definition – An objectively measured or described characteristic which is based upon something other than radiological imaging
2. Structure of the QIBA Profile claim for phenotype classification will be based on how accurately the radiological imaging identifies the current established phenotype (agreement or concordance)

NOTE: Phenotype classification does not require distinct categorical placement and can be polychotomous (i.e. 80% A, 10%B, 10%C)

3. Discussion for next time: Support of the Profile claim (start with Use Case #3 Table)

Next call: Dr. Wang to present on Radiomics (Use case 4) on Wednesday, June 17th at 10 am CT

Call Schedule:

Date:	Topic:	Lead:
Wednesday, June 17 (10 am CT)	Use case 4: Radiomics	Dr. Wang
Monday, June 29 (2 pm CT)	Use case 1: Multi-dimensional descriptor	Dr. Raunig
Wednesday, July 15 (10 am CT)	Use case 2: Phenotype classification	Dr. Delfino
Monday, July 27 (2 pm CT)	Use case 3: Risk prediction	Dr. Huang
Wednesday, Aug 12 (10 am CT)	Use case 4: Radiomics	Dr. Wang

Use cases:

- **Use case 1:** (Multi-dimensional descriptor) a panel to determine how to care for a patient
- **Use case 2:** (Phenotype classification) rule or decision tool to diagnose phenotype
- **Use case 3:** (Risk prediction) several biomarkers will be evaluated to create a prediction or risk score
- **Use case 4:** (Radiomics) may not have a specific biomarker for reference