

QIBA Communications Committee (QCC)

27 January 2023 at 11 AM CT

Call Summary

Using notes provided by Dr. Smith

In attendance

Anne M. Smith, PhD (Co-Chair)

Majid Chalian, MD (Co-Chair)

Maria Athelou, PhD

Michael Boss, PhD

Caroline Chung, MD, MSc, FRCPC, CIP

Thomas Grist, MD

Timothy J. Hall, PhD

Shanshan Jiang, MD, PhD

RSNA

Julie Lisiecki

Moderator: Dr. Smith

The following topics were discussed:

- How QIBA might engage Heads of the Radiology Community through SCARD
- Introduction of [CECI² QIBA Fellows](#)
- Feedback from Dr. Cole and Ms. Matthews shared
- AI for QI outreach efforts
- QIBA Social Media efforts

Updates:

[Society of Chairs of Academic Radiology Departments \(SCARD\): Guest, Dr. Grist](#)

- Dr. Grist suggested that QIBA Leadership consider an overview webinar presentation for a regular monthly meeting of SCARD
 - Dr. Grist will discuss this idea with SCARD program chair
- This is an opportunity to convince the radiology community of the value of quantitative imaging
- Working towards higher reimbursement and CMS approval of imaging procedures is also an important goal, which requires collaboration and data to support QIBA efforts
- SCARD has become a more proactive organization and would support the idea of quantitative imaging, though currently unfamiliar with the QIBA mission
- A specific 'ask' for the chairs would be needed, in addition to a strong success story, e.g., the QIBA MRE Profile procedure achieving CMS clinical reimbursement for patient care
- Dr. Grist agreed to share [QIBA videos](#) and other introductory materials with SCARD members prior to a QIBA webinar, which would likely be shared with sister organizations, such as ABR and ACR
- An outline of the talk would be needed prior to acceptance for a webinar presentation

[Introduction of CECI² QIBA Fellows](#)

- Dr. Smith introduced Dr. Jiang (Dr. Parihar could not attend this call)
- Dr. Jiang gave an overview of her work with MRI neuro
- She will think about ways to recruit new QIBA members and brainstorm new ideas

[QIBA Social Media](#)

- RSNA Staff post items that are shared to promote QIBA efforts
 - All are welcome to post / tag items related to QIBA
 - It is helpful when biomarker committee members or leadership share news that would be of interest to the larger community
- QIBA currently has 438 followers on [LinkedIn](#) and 75 followers on [QIBA Twitter](#)
 - Suggestions needed for ways to continue to engage these followers as QIBA volunteers
- All levels of volunteer engagement are valuable, and recruitment of new members is vital
- Drs. Jiang and Parihar to try to increase efforts in this area

[AI for QI efforts \(Dr. Chung\)](#)

- Past outreach to IROC and CoreLabs shows impact of heterogeneity on collected data

- AI algorithm may fail if working on data that is outside the norm of the training data
- Vendors publish data and develop an algorithm based on the limited data training set
- Leads to failure – users may have too much trust -> can put patients at risk
- QIBA would be a natural partner to improve standardization of training data and newly collected data to improve the results of AI algorithms/products
- QIBA has not explored all the AI interest areas
- Have not targeted any QIBA Profiles, yet – started with Small Lung Nodule CT, especially segmentation
- Dr. Chung will engage with Dr. Boss to discuss other opportunities

Feedback from Dr. Cole shared from RSNA 2022 (Dr. Smith)

- Profiles are too complicated
- Short checklists have real value
 - Good example is the work that the FDG-PET/CT BC did (Dr. Yap led the effort)
- EARL certification has value from Dr. Cole's perspective and experience with qualifying sites
 - EARL or similar can help out Clinical Trial Leads that are less experienced
- Dr. Cole not confident that RSNA / QIBA has the infrastructure like EARL to certify sites
- [EARL](#) (an accreditation body under the European Association for Nuclear Medicine([EANM](#))) would be the model to emulate
 - Would need to define the benefits
 - EARL has an 18F Brain PET/CT – perhaps could find a way to leverage this work
- QIBA working with RadSite – can show that conformance is possible, but not accreditation
- QIBA intends to continue working with RadSite as an accreditation body

Ongoing action items (please strike if complete)

- [Dr. Chung](#) to follow up with Dr. Boss re: AI for QI
- [Dr. Pepin's](#) MRE promotion work to be shared as an example for other committees re: educational campaign
- [Dr. Pepin](#) to invite imaging CRO contacts re: their perspective and how they use QIBA Profiles in clinical trials
- [Dr. Chung](#) to work on making the connection between AI and QI and how QIBA fits into this picture
- [Dr. Smith](#) to reach out to Dr. Schmid (Takeda Pharmaceuticals) and Dr. Seibyl (Invicro)

Next call: Friday, March 24th at 11 am CT

Reference: About QIBA page: http://qibawiki.rsna.org/index.php/About_QIBA

This committee intends to help promote QIBA and the value of quantitative imaging to clinical trials and clinical practice and the broader radiology community