QIBA Multi-disciplinary collaboration for plaque imaging by CT angiography
30 July 2018 at 11 AM CT
Call Summary

On Call
Andrew Buckler, MS (Co-Chair)
Uwe Joseph Schoepf, MD (Co-Chair)
James DeMarco, MD

Laura Jimenez-Juan, MD, PhD
Eran Langzam, PhD
Taylor Richards, PhD

RSNA Staff
Marly van Assen, MSc
Akos Varga-Szemes, MD, PhD

Announcements

• New Co-Chairs were introduced:
  o Luca Saba, MD (University of Cagliari, Italy)
  o Uwe Joseph Schoepf, MD (Medical University of South Carolina)

Overview of Profile Section 3: Profile Requirements

• Scanner protocol and output reproducibility will be the Profile focus
• Activities to be performed to meet Profile Claim and requirements for separate “Actors” were described
• Performance requirements and specification tables will outline what measurement bias and reproducibility is to be obtained, rather than how to accomplish the goal with a given protocol (i.e., manufacturer settings specified, but not the approach); this approach mitigates measurement error while allowing for vendor innovation
• Conformance procedure and requirements needed, as certain scanners or imaging sites may/ not be able to conform to the rigorous Profile performance
• Guidance needed to make sure certain minimum criteria are met (e.g., specifications for slice thickness)
• Using phantoms is one way to develop assessment procedures based on ground truth
• Setting the performance bar:
  o If imaging standards are too high, the Profile may not be used by vendors or imaging sites, thus limiting clinical application
  o If imaging standards are too low, value of the Profile is lost

• Performance requirements may differ for organ systems (e.g., head and neck vs. coronary)

Next Steps

• Drs. Saba and Schoepf to provide their research interests and perspectives on the next committee call
• Suggestion to create section writing assignments for Subject Matter Experts (SMEs)
• Future calls will be used for Profile work, rather than high-level discussion

Next call: Monday, August 13th at 11 am CT