

QIBA FDG-PET Biomarker Committee (BC) Call

05 February 2016 at 9 AM CT (GMT-6)

Draft Call Summary

In attendance:

Rathan Subramaniam, MD, PhD (co-chair)

John J. Sunderland, PhD (co-chair)

Scott Wollenweber, PhD (co-chair)

Terry Brown

John Hoffman, MD

Edward Jackson, PhD

Abhinav Kumar Jha, PhD

Paul Kinahan, PhD

Jeff Kolthammer, PhD

Martin Lodge, PhD

Larry MacDonald, PhD

Nancy Obuchowski, PhD

Eric Perlman, MD

Anne Smith, PhD

Charles Smith, MScS

Mitsuaki Tatsumi, MD

Pierre Tervé, MS

Timothy Turkington, PhD

Dewen Yang, MD, PhD

Jeffrey Yap, PhD

Brian Zimmerman, PhD

RSNA

Joe Koudelik

Susan Weinmann

Moderator: Dr. Wollenweber

Discussion included:

Profile Updates per the field testing – status of the updates

- Detailed responses received from three manufacturers re: scanner performance Profile specifications
- A manufacturer query was received regarding “the QIBA certification process” for proving QIBA conformance
 - QIBA Process Committee will address this topic soon
 - Timeline to be created
- There are vendor concerns regarding constant Profile changes needed to maintain conformance; Profile stability deemed critical to avoid pushback
- Claim will not be confirmed yet, but activities that make claim achievable will be stated
- Parallel checklist for manufacturers is included in addition to checklist for imaging site
- Dr. Turkington to make updates to Profile by mid-February
- Profile recommendations as a result of the review process will be discussed at the QIBA Annual Meeting in February
- The DCE-MRI Profile has been used in the ACRIN clinical trial (Dr. Rosen's Round-1 project)
 - 30 patients
 - 8 sites

Profile review process update

- As revisions are made, changes will be tracked
- Technically-confirmed review process will mimic the process that was used during the first publically-reviewed FDG-PET Profile version
- Revisions to the technically-confirmed Profile version will be made and the document will be reviewed by FDG-PET Co-Chairs, then the full FDG-PET BC, then released for public review
- Dr. Perlman agreed to lead this process
- Updates to Profile will be ready to share at the next FDG-PET BC call in 4 weeks

DICOM process update (e.g., SUV1bm) Profile status

- Dr. Charles Smith (IHE Cmte) stated that this IHE Profile will soon be released for public comment
- Essential information for SUV will be compiled –name references to include are being sought
- Various SUV methods were discussed
- Profile public comments are due by April 1
- DRO images will be used during the next Connectathon on 2010
- Information will be forwarded to FDG-PET BC members

Plan for f2f QIBA Annual Meeting Breakout Sessions

- Profile update based on vendor and site feedback to the FDG-PET Profile feasibility study (PI: Dr. Turkington)
- Most time will be spent on Profile updates and recommendations with a line-by-line review of the Profile
- The f2f QIBA Annual Meeting Breakout Session agenda for the FDG-PET BC will be put on the next call agenda along with:
 - Progress on Round 5 projects update
 - Round 6 proposal topics

QIBA Nuclear Medicine BC Calls (Fridays, 9 am CT):

- Feb 12: Amyloid BC
- Feb19: SPECT BC
- Feb 26: Combined NM BCs - TBD

SPECT Task Forces (Tuesdays at 2 pm CT):

pending availability of co-chairs:

- Feb 9: Quantitative / Image Analysis – *Dr. Seibyl*
 - Feb 16: Phantoms / DRO Group – *Drs. Dickson and Zimmerman*
 - Feb 23: Clinical / Literature Review – *Dr. Seibyl*
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