

QIBA CT Small Lung Nodule (SLN) Biomarker Ctte (BC) Call

Inaugural call

13 November 2017 at 11 AM CT

Call Summary

In attendance:			RSNA:
Samuel G. Armato III, PhD (Co-Chair)	Claudia Henschke, PhD, MD	Kevin O'Donnell, MASc	Fiona Miller
David S. Gierada, MD (Co-Chair)	Philipp Hoelzer, PhD	Anthony Reeves, PhD	Joe Koudelik
James L. Mulshine, MD (Co-Chair)	Edward Jackson, PhD	Gary Smith, MD	Julie Lisiecki
Rick Avila, MS	Artit Jirapatnakul, PhD	Raja Subramaniam, PhD	
Marios Gavrielides, PhD	Ella A. Kazerooni, MD	David Yankelevitz, MD	
Maryellen Giger, PhD	Nancy Obuchowski, PhD	Lifeng Yu, PhD	

Moderator: Dr. Mulshine

Overview:

- Dr. Mulshine explained the transition of the group from Task Force to Biomarker Committee and provided an update on the status of the Profile and related efforts
- Leadership will be preserved during this transition (Drs. Armato, Gierada and Mulshine)
- Due to the timeliness of lung cancer screening efforts worldwide, the BC wants to lead the way with setting image quality standards and the integration of process improvements
 - Advocacy partner groups include:
 - [International Association for the Study of Lung Cancer](#) (IASLC)
 - [Prevent Cancer Foundation](#)
- Mr. Avila provided a technical overview of the conformance procedures for the Profile, all of which have been documented and will be posted for group access on the QIBA wiki
 - Information in the Profile has been translated into user-friendly context for real-world ease of use and adoption by community facilities (i.e., those sites without the academic support of large imaging centers or clinical trialists)
 - A combination of methods is used, including theoretical calculation, analytical interpretation, and modeling
 - Units for two different communities have been provided in both PSF Sigma (*Point-Spread-Function*) and MTF 50 (*Modulation Transfer Function*)
 - CT scanner vendors and software developers have been asked to test the protocols
 - 90+ phantoms will soon be distributed for testing

Profile:

- A few minor updates need to be made to language provided by Dr. Obuchowski
- Pending updates to the comment resolution log and some minor updates, leadership indicated they were ready to hold a BC vote on publishing the Profile as a “consensus” document per the [QIBA Profile Stages](#)
 - The reviewer comment / resolution spreadsheet will be circulated along with the latest Profile as reference
- SLN leadership is hopeful that the IASLC will adopt the CT Small Lung Nodule Profile in their lung cancer screening efforts
- Updated items will be posted on the BC wiki page:
http://qibawiki.rsna.org/index.php/CT_Small_Lung_Nodule_Biomarker_Ctte

Action items:

- A timeline was established to move the vote forward and is as follows:
 - Mr. Avila to provide minor revisions to BC members **by Thursday, 11/17/2017**
 - E-ballot to be distributed to voting members of the BC (those on the inaugural call) **by Thursday, 11/17/2017**
 - BC vote results to be tabulated **by Tuesday, 11/21/2017**