

# QIBA and QI/ Imaging Biomarkers in the Literature

## Articles are divided into two categories:

1. Articles that are generated by Quantitative Imaging Biomarkers Alliance (QIBA) research teams
2. Articles that reference QIBA

If available, links are provided to PubMed or journal landing pages.

## I. QIBA-GENERATED ARTICLES

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### 2016

1. Rodriguez A, Chen-Mayer H, Fuld M, et al. **Harmonization of dose reduction protocols across vendor platforms for measures of CT density of the lungs.** *American Thoracic Society International Conference Abstracts*. A79. 2016;A79. Lung Imaging: CT and Beyond:A2503-A2503. [doi:10.1164/ajrccm-conference.2016.193.1\\_MeetingAbstracts.A2503](https://doi.org/10.1164/ajrccm-conference.2016.193.1_MeetingAbstracts.A2503)
2. Rodriguez A, Chen-Mayer H, Fuld M, et al. **The effects of iterative reconstruction techniques and high resolution kernels on quantitative computed tomography (qCT) .** *American Thoracic Society International Conference Abstracts*. A79. 2016;A79. Lung Imaging: CT and Beyond:A2502-A2502. [doi:10.1164/ajrccm-conference.2016.193.1\\_MeetingAbstracts.A2502](https://doi.org/10.1164/ajrccm-conference.2016.193.1_MeetingAbstracts.A2502)

### 2015

1. Sullivan DC, Obuchowski NA, Kessler LG, et al. **Metrology Standards for Quantitative Imaging Biomarkers.** *Radiology*. 2015 Aug 12. Epub ahead of print. doi: 10.1148/radiol.2015142202. [Link to article.](#)
2. Buckler A. **Inter-method Performance Study of Tumor Volumetry Assessment on Computed Tomography Test-retest Data.** *Academic Radiology*. Published online: September 13, 2015. <http://dx.doi.org/10.1016/j.acra.2015.08.007>
3. Deng Y, Rouze NC, Palmeri ML, Nightingale KR. **System-dependent sources of uncertainty and bias in quantitative shear-wave imaging.** *Ultrasonic Imaging and Tissue Characterization Symposium, Arlington, VA*. June 22 – 24, 2015. [Link to abstracts.](#)
4. Graham MM, Wahl RL, Hoffman JM, et al. [Summary of the UPICT protocol for 18F-FDG PET/CT Imaging in Oncology Clinical Trials.](#) *J Nucl Med*. 2015;56(6):955-961. [doi: 10.2967/jnumed.115.158402](https://doi.org/10.2967/jnumed.115.158402) [PubMed Citation](#)
5. Hall TJ, Palmeri M, Carson P, Milkowski, A, Chen S, Lynch T, et al. **Comparison of shear-wave speed estimates among commercial ultrasound systems with liver-mimicking phantoms.** *Ultrasonic Imaging and Tissue Characterization Symposium, Arlington, VA*. June 22 – 24, 2015. [Link to abstracts.](#)
6. Mulshine JL, Gierada DS, Armato SG 3<sup>rd</sup>, Avila RS, Yankelevitz DF, Kazerooni EA, McNitt-Gray MF, Buckler AJ, Sullivan DC. **Role of the Quantitative Imaging Biomarker Alliance in optimizing CT for the evaluation of lung cancer screen-detected nodules.** *J Am Coll Radiol*. 2015 Apr;12(4):390-5. [doi: 10.1016/j.jacr.2014.12.003](https://doi.org/10.1016/j.jacr.2014.12.003).

7. Pierce LA, Elston BF, Clunie DA, Nelson D, Kinahan PE. **A Digital Reference Object to Analyze Calculation Accuracy of PET Standardized Uptake Value.** *Radiology*. 2015 May 19. PMID: 25989387 doi: <http://dx.doi.org/10.1148/radiol.2015141262>
8. Quak E, Le Roux PY, Hofman MS, et al. **Harmonizing FDG PET quantification while maintaining optimal lesion detection: prospective multicentre validation in 517 oncology patients.** *Eur J Nucl Med Mol Imaging*. 2015 Jul 30. Epub ahead of print. [PubMed Citation](#). [Link to article](#).

## 2014

### *QIBA Metrology Papers*

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## II. ARTICLES THAT REFERENCE QIBA

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