

# 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

Various QIBA projects and activities have been funded in whole or in part with Federal funds from the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health, Department of Health and Human Services, under Contract Nos. HHSN268201300071C and HHSN268201000050C.

### 2015

#### QIBA Metrology Papers

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. 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.](#)
5. 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](http://dx.doi.org/10.1016/j.jacr.2014.12.003).
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### 2014

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1. Sullivan DC, Bresolin L, Seto B, Obuchowski NA, Raunig DL, Kessler LG. **Introduction to metrology series.** *Stat Methods Med Res*. 2015 Feb;24(1):3 – 8. doi: 10.1177/0962280214537332. [PubMed Citation](#)

2. Huang EP, Wang XF, Choudhury KR, McShane LM, Gönen M, Ye J, Buckler AJ, Kinahan PE, Reeves AP, Jackson EF, Guimaraes AR, Zahlmann G. [Introduction to Metrology Series: Meta-Analysis of the Technical Performance of an Imaging Procedure: Guidelines and Statistical Methodology](#). *Statistical Methods in Medical Research*. May 2014; pii: 0962280214537394 [Epub ahead of print] first published online May 28, 2014. doi: 10.1177/0962280214537394 [PubMed Citation](#)
  3. Kessler LG, Barnhart HX, Buckler AJ, Choudhury KR, Kondratovich MV, Toledano A, Guimaraes AR, Filice R, Zhang Z, Sullivan DC. [Introduction to Metrology Series: The Emerging Science of Quantitative Imaging Biomarkers: Terminology and Definitions for Scientific Studies and Regulatory Submissions](#). *Statistical Methods in Medical Research*. June 2014; pii: 0962280214537333. [Epub ahead of print] first published online 11 June 2014. doi: 10.1177/0962280214537333 [PubMed Citation](#)
  4. Obuchowski NA, Reeves AP, Huang EP, Wang XF, Buckler AJ, Kim HJ, Barnhart HX, Jackson EF, Giger ML, Pennello G, Toledano AY, Kalpathy-Cramer J, Apanasovich TV, Kinahan PE, Myers KJ, Goldgof DB, Barboriak DP, Gillies RJ, Schwartz LH, Sullivan DC. [Introduction to Metrology Series: Quantitative Imaging Biomarkers: A Review of Statistical Methods for Computer Algorithm Comparisons](#). *Statistical Methods in Medical Research*. June 2014; pii: 0962280214537390. [Epub ahead of print] first published online June 11, 2014. doi:10.1177/0962280214537390 [PubMed Citation](#)
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  8. Kinahan PE, Wahl RL, Shao LX, Frank RA, Perlman ES. [Oncology: Basic, Translational & Therapy, MTA I: Technical Advances & Quantification Posters: The QIBA Profile for Quantitative FDG-PET/CT Oncology Imaging](#). *J Nucl Med*. 2014; 55 (Supplement 1):1520.
  9. Milkowski A, Hall TJ, Garra B, Nightingale K, Palmeri ML, Chen S, Carson PL. **Radiological Society of North America/Quantitative Imaging Biomarkers Alliance Ultrasound Shear Wave Speed Estimation in Elastic Phantoms: Sources and Magnitude of Variability in a Multicenter Study**. *American Institute of Ultrasound in Medicine Proceedings: J Ultrasound Med*. 2014; 33(suppl):S1–S124. [Link to conference proceedings paper](#)

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## II. ARTICLES THAT REFERENCE QIBA

### 2015

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