

## LISTING OF PUBLICATIONS RELATED TO AND RESULTING FROM QUANTITATIVE IMAGING WORKSHOPS

### QIW-RELATED PUBLICATIONS

- 1) Mulshine JL, Avila RS, Hirsch FR, Yankelevitz D. Developing CT image-processing tools to accelerate progress in lung cancer drug development. *Oncology* (Williston Park). 2006 Nov;20(12):1606, 1608-10.
- 2) Baer TM, Mulshine JL, Jacobs JJ., Biomedical imaging archive network. *Skeletal Radiol.* 2007 Sep;36(9):799-801.
- 3) Mulshine JL, Avila R, Yankelevitz D, Baer, TM. Use of High Resolution CT Imaging Data in Lung Cancer Drug Development: Measuring Progress. *Oncology* 23:434-8, 2009.
- 4) Goldberg SW, Mulshine JL, Hagstrom D, Pyenson BS. An Actuarial Approach to Comparing Early Stage and Late Stage Lung Cancer Mortality and Survival. *Popul Health Manag.* Feb; 13(1):33-46, 2010.
- 5) Avila RS, Zulueta JJ, Shara NM, Jansen K, Veronesi G, Mulshine JL. A Quantitative Method for Estimating Individual Lung Cancer Risk. *Acad Radiol.* 17(7):830-840, 2010.
- 6) Mulshine JL, Baer TM, Avila RS. Introduction: Imaging in diagnosis and treatment of lung cancer. *Opt Express.* 18(14):15242-3, 2010.
- 7) Pyenson B, Sander MS, Jian Y, Mulshine JL. An actuarial analysis show that offering lung cancer screening as an insurance benefit would save lives at relatively low cost. *Health Affairs* Apr;31(4):770-9, PMID: 22492894, 2012.
- 8) Mulshine JL, Avila R, Yankelevitz et al. Meeting Report of Lung Cancer Workshop VIII: Application of Quantitative CT Imaging to Early Lung Cancer Management: Accelerating Progress. *J Thoracic Oncology*, 2013 Nov;8(11):1352-5. doi: 10.1097/01.JTO.0000435803.93490.04. PMID: 24128711
- 9) Mulshine JL, Avila R, Yankelevitz D, Baer TM, Estepar RS, Fenton L, Aldige CR. Application of high-resolution CT imaging data to lung cancer drug development: measuring progress: workshop IX. *J Thorac Oncol.* 2013 Nov;8(11):1352-5. doi:10.1097/01.JTO.0000435803.93490.04. PubMed PMID: 24128711.
- 10) Mulshine, JL, Avila R, Yankelevitz D et al. Lung Cancer Workshop XI: Tobacco-Induced Disease: Advances in Policy, Early Detection and Management: Meeting Report. *J Thoracic Oncol*, 2015 May;10 (5):762-7. doi: 10.1097/JTO.0000000000000489. PMID: 25898957
- 11) Pyenson B, Henschke CI, Yankelevitz DF. Population health's unanimity on lung cancer screening: far ahead of medical advice. *Ann Transl Med* 2017;5(17):355. doi: 10.21037/atm.2017.05.26  
<https://atm.amegroups.com/article/view/15392/15490>
- 12) Sevick EM, Frank RA, Giger ML, Mulshine JL. Moonshot Acceleration Factor: Medical Imaging (Meeting Report). *Cancer Research* 2017 Nov 1;77(21):5717-5720. doi: 10.1158/0008-5472.CAN-17-1698. Epub 2017 Oct 9. PMID: 28993413
- 13) Mulshine JL, Avila RS, Sullivan DC et al. Prevent Cancer Foundation quantitative CT imaging workshop XVI: lung cancer, COPD and cardiovascular disease - on the cusp of transformation. *Translational Medicine Communications* 2020, 5:19-29

**QIW-RELATED PUBLICATIONS** *(Continued)*

- 14) Rizzo A, Mulshine JL. Thoracic CT screening: using routinely detectable COPD information. Clin Imaging. 2021 May 4; S0899-7071(21)00179-0. doi: 10.1016/j.clinimag.2021.04.019. Online ahead of print. PMID: 34140204
- 15) Mulshine JL, Yankelevitz DF, Pyenson BS. Concerns Related to Benefits and Harms of Real-World Shared Decision-Making for Lung Cancer Screening. American Health and Drug Benefits. Published online ahead of print, June 2021 <https://www.ahdbonline.com/online-first/3148-concerns-related-to-benefits-and-harms-of-real-world-shared-decision-making-for-lung-cancer-screening>
- 16) Avila RS et al. QIBA guidance: Computed tomography imaging for COVID-19 quantitative imaging applications. Clin Imaging. 2021 Sep;77:151-157. doi: 10.1016/j.clinimag.2021.02.017 PMID: 33684789.
- 17) Mulshine JL, Pyenson B. The Long, Slow Road to Lung Cancer Cure. JAMA Oncol. Published online October 21, 2021. doi:10.1001/jamaoncol.2021.4711 <https://jamanetwork.com.proxy.library.nyu.edu/journals/jamaoncology/fullarticle/2784991>

**BOOK CHAPTERS**

- 1) TM Baer and Mulshine, J. Biomedical Imaging Archive Network. Quantitative Imaging Tools for Lung Cancer Drug Assessment. Mulshine JL and Baer T., editors. John Wiley & Sons, NJ, 131-140, 2008.

**BOOKS AND SUPPLEMENTS**

- 1) Mulshine JL and Baer T. (Editors) Quantitative Imaging Tools for Lung Cancer Drug Assessment. John Wiley & Sons, NJ, 2008.
- 2) Mulshine JL, Baer TM, Avila RS. I Virtual Focus Issue: Imaging in diagnosis and treatment of lung cancer. Opt Express. 18(14), 2010. doi: 10.1364/OE.18.015242.

**REPORTING**

- 1) SOLID TUMORS LUNG CANCER  
By Caroline McNeil / December 10, 2017 / 2017 14th Quantitative Imaging Workshop  
Managing Low-Dose CT Screening for Lung Cancer  
As low-dose computed tomography (CT) screening for lung cancer has moved from clinical trials to clinical practice, management issues are growing more urgent for screening centers around the country: for instance, how to support referrals from and to other providers; how to ensure the quality of...
- 2) LUNG CANCER  
By Caroline McNeil / December 25, 2018 / 2018 Quantitative Imaging Workshop XV  
Low-Dose CT Lung Screening: New Developments Support Increased Quality, More Data, Deep Learning  
Two years ago, Rick Avila, MS, Chief Executive Officer (CEO) of Accumetra, LLC, was using rolls of Scotch tape as a research tool. The Scotch tape was a phantom, or reference object, and his company was working with computed tomography (CT) lung screening sites around the world to determine the...
- 3) By Caroline McNeil / December 25, 2018  
Prevent Cancer Foundation Award Goes to Big Tobacco Foe, Sharon Y. Eubanks, JD  
One Friday afternoon in March 1999, Pat Glynn, an attorney and manager at the Department of Justice, called a colleague, Sharon Y. Eubanks, JD, to talk about a newly formed Tobacco Task Force. Full of enthusiasm, he described plans to bring a federal suit against the major tobacco companies on...

**REPORTING** *(Continued)*

## 4) HEALTH-CARE POLICY

By Caroline McNeil / August 10, 2016

Photonics and the Cancer Moonshot Initiative: Partnership Highlights Role of Technology and IT Infrastructure in Reaching Goals

Photonics—the science of light—may not be associated with cancer in most people’s minds. But photonic technologies are: CT (computed tomography) scans and digital x-rays, for instance, are in everyday use, and next-generation oncology applications are in development. As the White House’s National...

## 5) ISSUES IN ONCOLOGY

By Caroline McNeil / July 25, 2016

As Low-Dose CT Screening Moves Into the Clinic, Implementation Issues Move Up on the Agenda

Low-dose computed tomography (CT) screening for lung cancer in high-risk groups is moving into the clinic in the wake of its approval by the U.S. Centers for Medicaid & Medicare Services. That does not mean, however, the discussion is over. As low-dose CT moves from research to everyday...

**COVERAGE OF THE 2016 QUANTITATIVE IMAGING WORKSHOP BY IASLC**

- 1) James L. Mulshine, MD, *Honoring Superb Advocacy at the 13th Annual Prevent Cancer Quantitative Imaging Workshop*. IASLC Meeting News, September 1, 2016.

**COVERAGE OF THE 2020 QUANTITATIVE IMAGING WORKSHOP XVII BY THE ASCO POST**

- 1) Daniel G. Petereit, MD, on Disparities in Lung Cancer Care for Northern Plains American Indians. ASCO Post, <https://ascopost.com/videos/quantitative-imaging-workshop-xvii/daniel-petereit-on-disparities-in-lung-cancer-care-for-northern-plains-american-indians>.
- 2) James L. Mulshine, MD, on Meeting Highlights: Advancing Quantitative Low-Dose CT Imaging in Thoracic Disease. ASCO Post, <https://ascopost.com/videos/quantitative-imaging-workshop-xvii/james-mulshine-on-advancing-quantitative-low-dose-ct-imaging-in-thoracic-disease>.
- 3) Fred R. Hirsch, MD, PhD, on Early-Stage Lung Cancer: Targeted Treatment and Screening. ASCO Post, <https://ascopost.com/videos/quantitative-imaging-workshop-xvii/fred-hirsch-on-early-stage-lung-cancer-targeted-treatment-and-screening>.
- 4) Mary Pasquinelli, DNP, APRN, FNP-BC, on Addressing Lung Cancer Care Equity in Vulnerable Communities. ASCO Post, <https://ascopost.com/videos/quantitative-imaging-workshop-xvii/mary-pasquinelli-on-addressing-lung-cancer-care-equity-in-vulnerable-communities>.
- 5) David Yankelevitz, MD, on Early-Stage Lung Cancer: Renewed Interest in Combined-Modality Treatment. ASCO Post, <https://ascopost.com/videos/quantitative-imaging-workshop-xvii/david-yankelevitz-on-early-stage-lung-cancer-renewed-interest-in-combined-modality-treatment>.