

# QUANTITATIVE IMAGING WORKSHOP XVII:

Leveraging CT to Accelerate Detection of Lung Cancer, COPD and Cardiovascular Disease

October 28-30, 2020 | Virtual

## Webcast Agenda

### DAY 1: WEDNESDAY, OCTOBER 28

All times listed in Eastern Standard Time

a/o 10.27.20

8:50 AM	<b>WEBCAST OPENS</b>
9:00 AM	<p><b>WELCOME, NATIONAL LEADERSHIP AWARD &amp; KEYNOTE ADDRESS</b></p> <p><b>Welcome and Overview</b>            Carolyn R. ("Bo") Aldigé, <i>Prevent Cancer Foundation</i>            James L. Mulshine, MD, <i>Rush University Medical Center</i></p>
9:30 AM	<p><b>2020 James L. Mulshine, MD National Leadership Award</b>            Presented to Daniel C. Sullivan, MD by Andrew C. von Eschenbach, MD</p>
10:00 AM	<p><b>Keynote: Can We Use Games to Collect High Quality Data to Improve Health Outcomes for Screening-Detected Chronic Health Conditions?</b>            Swatee Surve, MBA, MSME, Founder &amp; Chief Executive Officer, <i>Litesprite</i></p>
11:00 AM	<b>BREAK</b>
11:15 AM	<p><b>VIRTUAL BREAKOUT SESSION</b></p> <p>Joint session to introduce and develop actionable plans for strategic progress in early thoracic disease outcomes.</p> <ul style="list-style-type: none"> <li>Defining and Managing CT Screening Findings of Early Lung Diseases</li> <li>Approach to Advancing Combined Modality Therapy for Early Stage Screen-Detected Disease—Adjuvant/Neoadjuvant Therapy</li> </ul>
12:15 PM	<b>LUNCH</b>
1:15 PM	<p><b>SESSION TWO: VALUE OF METROLOGY</b></p> <p><i>This session is being held in collaboration with Quantitative Imaging Biomarkers Alliance and the American Cancer Society/National Lung Cancer Roundtable.</i></p> <p><b>Co-Chairs &amp; Moderators:</b> Daniel C. Sullivan, MD, <i>Quantitative Imaging Biomarker Alliance</i> and <i>Duke University Department of Radiology</i>            Robert A. Smith, PhD, Cancer Screening, <i>American Cancer Society</i> and <i>National Lung Cancer Roundtable</i></p> <ul style="list-style-type: none"> <li><b>Clinical Perspective: What are the Challenges and Hurdles Hindering the Implementation of Advanced Image Analysis Tools for CT Screening?</b></li> </ul> <p><b>Topic Overview:</b> Gregory Sorensen, MD, <i>DeepHealth, Inc.</i></p> <p><b>Panelists:</b> Ronald Summers, MD, PhD, <i>National Institutes of Health Clinical Center</i>            Eliot Siegel, MD, <i>University of Maryland</i> and <i>VA Maryland Healthcare System</i> and <i>National Cancer Institute's Cancer Image Archive</i>            Ella Kazerooni, MD, MS, <i>Michigan Medicine/University of Michigan Medical School</i>            Curtis Langlotz, MD, PhD, <i>Stanford University Medical Center</i></p>

DAY 1 *Continued*

2:15 PM	<p><b>SESSION TWO: VALUE OF METROLOGY</b> <i>(Continued)</i></p> <p><b>Co-Chairs &amp; Moderators:</b> Daniel C. Sullivan, MD, <i>Quantitative Imaging Biomarker Alliance and Duke University Department of Radiology</i> Robert A. Smith, PhD, Cancer Screening, <i>American Cancer Society and National Lung Cancer Roundtable</i></p> <ul style="list-style-type: none"> <li>• <b>Metrology and Quality Assurance Perspective: What are the Challenges and Hurdles Hindering the Validation and Regulatory Approval of AI Algorithms for CT Screening?</b></li> </ul> <p><b>Topic Overview:</b> Maryellen L. Giger, PhD, <i>The University of Chicago</i></p> <p><b>Panelists:</b> Nancy Obuchowski, PhD, <i>Cleveland Clinic Foundation</i> Ricardo Avila, MS, <i>Accumetra LLC</i> Anthony P. Reeves, PhD, School of Electrical and Computer Engineering, <i>Cornell University</i> Timor Kadir, DPhil, MEng, <i>Optellum (United Kingdom)</i> Robert Ochs, PhD, Center for Devices and Radiological Health, <i>US Food and Drug Administration</i></p>
3:15 PM	<b>BREAK</b>
3:30 PM	<p><b>SESSION THREE: ENSURING HEALTH EQUITY IN LUNG CANCER SCREENING &amp; MANAGEMENT</b></p> <p><b>Co-Chairs &amp; Moderators:</b> Garth Graham, MD, MPH, FACP, FACC, <i>CVS Health</i> Christopher Lathan, MD, MS, MPH, <i>Dana-Farber Cancer Institute</i></p> <ul style="list-style-type: none"> <li>• <b>Addressing Health Equity in Vulnerable Communities</b></li> </ul> <p><b>Moderator &amp; Topic Overview:</b> Mary Pasquinelli, DNP, APRN, FNP-BC, <i>University of Illinois Hospital and Health Science System</i></p> <ul style="list-style-type: none"> <li>• <b>Can Information Technologies Enhance Access to Health Information for Vulnerable Communities?</b></li> </ul> <p><b>Topic Overview:</b> Garth Graham, MD, MPH, FACP, FACC, <i>CVS Health</i></p> <p><b>Panelists:</b> Mary Pasquinelli, DNP, APRN, FNP-BC, <i>University of Illinois Hospital (both topics) and Health Science System</i> Daniel Petereit, MD, <i>Cancer Care Institute at Monument Health, Walking Forward: American Indian Cancer Disparity Program</i></p>
5:30 PM	<b>DAY 1 WEBCAST CLOSSES</b>

## DAY 2: THURSDAY, OCTOBER 29

All times listed in Eastern Standard Time

8:50 AM	<b>WEBCAST OPENS</b>
9:00 AM	<p><b>SESSION FOUR: LUNG CANCER SCREENING &amp; COPD – CLINICAL INTERVENTIONS &amp; IMPLICATIONS</b></p> <p><i>Sponsored by the American Lung Association.</i></p> <p><b>Co-Chairs &amp; Moderators:</b>          Albert Rizzo, MD, FCCP, FACP, FAASM, <i>American Lung Association</i>          George R. Washko, MMSc, MD, <i>Brigham and Women's Hospital and Harvard Medical School</i>          Javier J. Zulueta, MD, FCCP, Pulmonary Medicine, <i>Clinica Universidad de Navarra (Spain)</i></p> <ul style="list-style-type: none"> <li> <p><b>Technical Perspective: Can the Low Dose CT Scan Be Used as a Window to Early Lung Disease?</b></p> <p><b>Topic Overview:</b> Lee Gazourian, MD, <i>Lahey Hospital &amp; Medical Center</i></p> <p><b>Panelists:</b> Marcus Chen, MD, Cardiothoracic CT Program, <i>National Heart, Lung and Blood Institute</i>              Mary Salvatore, MD, MBA, Division of Cardiothoracic Imaging, <i>Columbia University Medical Center</i>              David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i></p> </li> <li> <p><b>Clinical Perspective: Moving to Pulmonary Disease Interception</b></p> <p><b>Topic Overview:</b> Gerard Criner, MD, FACP, FACCP, Lewis Katz School of Medicine, <i>Temple University</i></p> <p><b>Panelists:</b> Bartolome Celli, MD, FCCP, Chronic Obstructive Pulmonary Disease Center, <i>Brigham and Women's Hospital and Harvard Medical School</i>              MeiLan Han, MD, MS, Division of Pulmonary and Critical Care, <i>University of Michigan</i>              Barry Make, MD, Division of Pulmonary, Critical Care and Sleep Medicine, <i>National Jewish Health</i></p> </li> </ul>
11:00 AM	<b>BREAK</b>
11:15 AM	<p><b>VIRTUAL BREAKOUT SESSIONS</b></p> <p><b>Two simultaneous working breakouts to develop actionable plans for strategic progress in early thoracic disease outcomes.</b></p> <ul style="list-style-type: none"> <li> <p><b>Defining and Managing CT Screening Findings of Early Lung Diseases</b></p> <p><b>Co-Moderators:</b> Ricardo Avila, MS, <i>Accumetra LLC</i>              Javier J. Zulueta, MD, FCCP, Pulmonary Medicine, <i>Clinica Universidad de Navarra (Spain)</i>              Heidi Schmidt, MD, <i>Joint Department of Medical Imaging (Sinai Health, University Health Network, Women's College Hospital) (Canada)</i></p> </li> <li> <p><b>Approach to Advancing Combined Modality Therapy for Early Stage Screen-Detected Disease—Adjuvant/Neoadjuvant Therapy</b></p> <p><b>Co-Moderators:</b> James L. Mulshine, MD, <i>Rush University Medical Center</i>              David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i></p> </li> </ul>

DAY 2 *Continued*

12:15 PM	LUNCH
1:15 PM	<p><b>SESSION FIVE: COPD &amp; SMALL LUNG NODULE – TECHNICAL APPLICATIONS</b></p> <p><b>Co-Chairs &amp; Moderators:</b> Ricardo Avila, MS, <i>Accumetra LLC</i> Raúl San José Estépar, PhD, <i>Brigham and Women's Hospital and Harvard Medical School</i></p> <ul style="list-style-type: none"> <li> <p><b>Improving the Impact of the QIBA CT Small Lung Nodule Profile</b></p> <p><b>Topic Overview:</b> Ricardo Avila, MS, <i>Accumetra LLC</i></p> <p><b>Panelists:</b> Nancy Obuchowski, PhD, <i>Cleveland Clinic Foundation</i> Raja Subramaniam, PhD, <i>Icahn School of Medicine at Mount Sinai</i> Samuel Armato, PhD, <i>The University of Chicago</i> Stephen Lam, MD, FRCPC, <i>British Columbia Cancer Agency and Pan-Canadian Lung Cancer Screening Network (Canada)</i></p> </li> <li> <p><b>Making Progress Toward a COPD &amp; Small Lung Nodule Protocol</b></p> <p><b>Topic Overview:</b> George R. Washko, MMSc, MD, <i>Brigham and Women's Hospital and Harvard Medical School</i></p> <p><b>Panelists:</b> Sean Fain, PhD, <i>University of Wisconsin School of Medicine and Public Health</i> Nicholas Petrick, PhD, <i>Division of Imaging, Diagnostics and Software Reliability, US Food and Drug Administration</i> Mario Silva, MD, PhD, <i>University of Parma (Italy)</i> David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i> Javier J. Zulueta, MD, FCCP, <i>Pulmonary Medicine, Clinica Universidad de Navarra (Spain)</i></p> </li> </ul>
3:15 PM	DAY 2 WEBCAST CLOSES

## DAY 3: FRIDAY, OCTOBER 30

All times listed in Eastern Standard Time

8:50 AM	<b>WEBCAST OPENS</b>
9:00 AM	<p><b>SESSION SIX: IELCART</b></p> <p><i>Sponsored by the Early Diagnosis and Treatment Research Foundation on behalf of the Initiative for Early Lung Cancer Research on Treatment (IELCART).</i></p> <p><b>Chair:</b> David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i></p> <ul style="list-style-type: none"> <li>• <b>Welcome</b> Raja Flores, MD, <i>Mount Sinai Medical Center</i></li> <li>• <b>IELCART Update on Lung Cancer Screening Innovations</b> Claudia I. Henschke, PhD, MD, <i>Icahn School of Medicine at Mount Sinai</i></li> <li>• <b>Treatment of Early Stage Lung Cancer and How to Identify Which Cancers are Most Curable Versus Those Likely to Recur</b> <b>Moderator:</b> Nasser K. Altorki, MD, Division of Thoracic Surgery, <i>New York Presbyterian-Weill Cornell Medical Center</i> <b>Topic Overview:</b> David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i> Nasser K. Altorki, MD, Division of Thoracic Surgery, <i>New York Presbyterian-Weill Cornell Medical Center</i> <b>Panelists:</b> Harvey Pass, MD, Division of Thoracic Oncology, Perlmutter Cancer Center, <i>New York University Langone Medical Center</i> Ignacio I. Wistuba, MD, <i>University of Texas MD Anderson Cancer Center</i> Christopher Amos, PhD, <i>Baylor College of Medicine</i> Matthijs Oudkerk, PhD, MD, MSc, University Medical Center, <i>University of Groningen (Netherlands)</i></li> <li>• <b>Targeted Therapy Trial for Aggressive Early Stage Lung Cancer</b> <b>Moderator:</b> James L. Mulshine, MD, <i>Rush University Medical Center</i> <b>Topic Overview:</b> Rajwanth Veluswamy, MD, MSCR, <i>Icahn School of Medicine at Mount Sinai</i> <b>Panelists:</b> Fred R. Hirsch, MD, PhD, Center for Thoracic Oncology, <i>The Tisch Cancer Institute at Mount Sinai</i> Phillip A. Dennis, MD, PhD, Lung Cancer Strategy, <i>AstraZeneca</i> Roy S. Herbst, MD, PhD, <i>Yale School of Medicine, Yale Cancer Center and Smilow Cancer Hospital at Yale New Haven</i> Natasha B. Leighl, MMSc, MD, <i>Princess Margaret Cancer Centre and University of Toronto (Canada)</i></li> </ul>
11:00 AM	<b>BREAK</b>

DAY 3 *Continued*

11:15 AM	<p><b>COMBINED BREAKOUT SESSION: RESULTS &amp; ACTION PLANS</b></p> <p>Joint session discussion on resulting actionable plans for both topics.</p> <ul style="list-style-type: none"> <li>• <b>Defining and Managing CT Screening Findings of Early Lung Diseases</b></li> <li>• <b>Approach to Advancing Combined Modality Therapy for Early Stage Screen-Detected Disease—Adjuvant/Neoadjuvant Therapy</b></li> </ul>
12:15 PM	<b>LUNCH</b>
1:15 PM	<p><b>SESSION SEVEN: POPULATION HEALTH METRICS – HEDIS &amp; STARS</b></p> <p><b>Co-Chairs &amp; Moderators:</b> Bruce S. Pyenson, FSA, MAAA, <i>Milliman, Inc.</i> Anita McGlothlin, <i>GO<sub>2</sub> Foundation for Lung Cancer</i></p> <ul style="list-style-type: none"> <li>• <b>Lessons from Population Health: How Quality Metrics Work</b></li> </ul> <p><b>Topic Overviews:</b> Mary Barton, MD, MPP, Performance Measurement, <i>National Committee for Quality Assurance</i> Robert A. Smith, PhD, Cancer Screening, <i>American Cancer Society</i> and <i>National Lung Cancer Roundtable</i> Hannah Green, MPH, Health Policy, <i>American Lung Association</i></p> <ul style="list-style-type: none"> <li>• <b>How would Providers and Payers Respond to a Population Health Metric for Lung Cancer Screening?</b></li> </ul> <p><b>Panelists:</b> Former US Representative Allyson Y. Schwartz, <i>Better Medicare Alliance</i> Laisha Washington, Clinical Quality, <i>Healthfirst</i> Lisa LaCarrubba, MD, Value Based Programs, <i>Horizon Blue Cross Blue Shield of New Jersey</i> Suresh K. Mukherji, MD, MBA, FACR, <i>ProScan Imaging, Economic Alliance</i> and <i>National Alliance of Health Care Purchasers Coalition</i></p>
3:15 PM	<b>DAY 3 WEBCAST CLOSSES</b>