

# QUANTITATIVE IMAGING WORKSHOP XVIII:

Optimizing Thoracic Imaging to Detect and Manage Early Lung Cancer/COPD

November 4-5, 2021 | Virtual

## WEBCAST AGENDA

### DAY 1: THURSDAY, NOVEMBER 4

All times listed in Eastern Daylight Time

a/o 10.31.21

8:50 AM	WEBCAST OPENS
9:00 AM	<b>WELCOME, KEYNOTE ADDRESS &amp; NATIONAL LEADERSHIP AWARD</b> <b>Welcome and Overview</b> Carolyn R. ("Bo") Aldigé, <i>Prevent Cancer Foundation</i> James L. Mulshine, MD, <i>Rush University Medical Center</i>
9:30 AM	<b>Keynote Address: Exercise For Primary Prevention Among Patients Receiving Lung Cancer Screening</b> Kathryn H. Schmitz, PhD, MPH, FACSM, FTOS, FNAK, <i>Penn State College of Medicine</i>
10:30 AM	<b>2021 James L. Mulshine, MD National Leadership Award</b> <b>Introductory Remarks:</b> Claudia I. Henschke, PhD, MD, <i>Icahn School of Medicine at Mount Sinai</i> <b>Award Recipient:</b> Mary Pasquinelli, DNP, APRN, FNP-BC, CTTS, <i>University of Illinois Hospital and Health Science System</i>
11:00 AM	BREAK
11:15 AM	<b>SESSION TWO: WHAT IS NEEDED FOR THORACIC HEALTH TO FIT INTO POPULATION HEALTH?</b> <b>Chair &amp; Moderator:</b> Bruce S. Pyenson, FSA, MAAA, <i>Milliman, Inc.</i> <b>Moderator:</b> Anita McGlothlin, <i>GO<sub>2</sub> Foundation for Lung Cancer</i> <ul style="list-style-type: none"><li><b>How Measurement Drives Population Health Models</b></li></ul> <b>Topic Overview &amp; Panelists:</b> Mary Barton, MD, MPP, Performance Measurement, <i>National Committee for Quality Assurance</i> Cory Gusland, FSA, MAAA, <i>Milliman, Inc.</i> Spencer Carrucciu, MPA, Oxeon Venture Studio, <i>Oxeon Partners</i>
12:15 PM	LUNCH

DAY 1 *Continued*

All times listed in Eastern Daylight Time

1:15 PM	<p><b>SESSION TWO (Continued)</b></p> <p><b>Chair &amp; Moderator:</b> Bruce S. Pyenson, FSA, MAAA, <i>Milliman, Inc.</i>  <b>Moderator:</b> Anita McGlothlin, <i>GO<sub>2</sub> Foundation for Lung Cancer</i></p> <ul style="list-style-type: none"> <li>• <b>How Organizations Operationalize Population Health Technology—Existing and New—and How They Can Fit into Population Health</b></li> </ul> <p><b>Topic Overview &amp; Panelists:</b>  Jonathan B. Jaffery, MD, MS, MMM,  <i>University of Wisconsin-Madison and UW Health ACO</i>  Paul Limburg, MD, MPH, <i>Exact Sciences and Mayo Clinic</i></p>
2:15 PM	BREAK
2:30 PM	<p><b>SESSION THREE: TRANSFORMING THORACIC HEALTH FOR EVERYONE – WHAT DOES THE FIELD NEED AND WHAT DO PEOPLE NEED?</b></p> <p><b>Co-Chairs:</b> David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i>  Christopher Lathan, MD, MS, MPH, <i>Dana-Farber Cancer Institute</i></p> <ul style="list-style-type: none"> <li>• <b>Big Data and Vulnerable Populations – Addressing the Gap</b></li> </ul> <p><b>Moderator &amp; Topic Overview:</b>  David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i></p> <p><b>Panelists:</b> Anthony P. Reeves, PhD, School of Electrical and Computer Engineering, <i>Cornell University</i>  Melinda Aldrich, PhD, MPH, Department of Medicine, <i>Vanderbilt University Medical Center</i>  Emanuela Taioli, MD, PhD, Institute for Translational Epidemiology, <i>Icahn School of Medicine at Mount Sinai</i>  Heather Pierce, JD, MPH, Center for Health Justice, <i>Association of American Medical Colleges</i>  Erik Lium, PhD, <i>Mount Sinai Innovation Partners and Mount Sinai Health System</i></p> <ul style="list-style-type: none"> <li>• <b>Models of Open Database Research: The Ethics of Using Big Data for Tool Development – How Do We Get There for Clinically Actionable AI?</b></li> </ul> <p><b>Moderator &amp; Topic Overview:</b>  Christopher Lathan, MD, MS, MPH, <i>Dana-Farber Cancer Institute</i></p> <p><b>Topic Overview &amp; Panelists:</b>  Shonta Chambers, MSW, Health Equity and Community Engagement, <i>Patient Advocate Foundation</i>  Samuel Cykert, MD, Health and Clinical Informatics Program, <i>University of North Carolina School of Medicine</i></p>
4:30 PM	BREAK

**DAY 1** *Continued**All times listed in Eastern Daylight Time*

<b>4:45 PM</b>	<p><b>BREAKOUT SESSIONS</b></p> <p>Two simultaneous working breakouts to develop actionable plans for strategic progress in early thoracic disease outcomes.</p> <ol style="list-style-type: none"> <li><b>Clinical Session - Data Use in the Time of Screening and AI: Defining Consensus, Value, Context and Responsibilities</b>  Moderator: David Yankelevitz, MD, <i>Icahn School of Medicine at Mount Sinai</i>  Scribe: Rowena Yip, MPH, <i>Icahn School of Medicine at Mount Sinai</i></li> <li><b>Technical Session - Optimizing Image Quality and Acquisition Parameters to Enable Optimal Lung Cancer Screening with Assessment of COPD and Related Lung Injuries</b>  Co-Moderators: Ricardo Avila, MS, <i>Accumetra LLC</i>  George R. Washko, MMSc, MD, <i>Brigham and Women's Hospital and Harvard Medical School</i>  Javier J. Zulueta, MD, FCCP, <i>Icahn School of Medicine at Mount Sinai</i></li> </ol>
<b>5:45 PM</b>	<b>DAY 1 WEBCAST CONCLUDES</b>

## DAY 2: FRIDAY, NOVEMBER 5

All times listed in Eastern Daylight Time

<b>8:50 AM</b>	<b>WEBCAST OPENS</b>
<b>9:00 AM</b>	<p><b>SESSION FOUR: ELUCIDATING THE EVOLUTION OF THORACIC DISEASE AS THE BASIS FOR RATIONAL CLINICAL MANAGEMENT</b></p> <p><b>Chair:</b> Albert Rizzo, MD, FCCP, FACP, FAASM, <i>American Lung Association</i></p> <p><b>Moderators:</b> George R. Washko, MMSc, MD, <i>Brigham and Women's Hospital and Harvard Medical School</i>          Javier J. Zulueta, MD, FCCP, <i>Icahn School of Medicine at Mount Sinai</i></p> <ul style="list-style-type: none"> <li>• <b>Is Annual Thoracic Screening a Venue to Deliver Preventive Interventions?</b>  <b>Topic Overview:</b> What Can We Learn from Cohort Studies—Defining the Gaps in Disease Evolution?          Ravi Kalhan, MD, MS, <i>Northwestern University Feinberg School of Medicine</i></li> <li>• <b>Building a Guidance Document: Rational Clinical Interventions for Thoracic Screen-identified Pre-symptomatic Pulmonary Disease</b>  <b>Topic Overview:</b> Translating Images into Clinical Interventions—How to Speed the Process?          George R. Washko, MMSc, MD, <i>Brigham and Women's Hospital and Harvard Medical School</i>          Javier J. Zulueta, MD, FCCP, <i>Icahn School of Medicine at Mount Sinai</i></li> </ul> <p><b>Panelists:</b> Raúl San José Estépar, PhD, <i>Brigham and Women's Hospital (both topics) and Harvard Medical School</i>          Lee Gazourian, MD, <i>Lahey Hospital &amp; Medical Center</i>          Ravi Kalhan, MD, MS, <i>Northwestern University Feinberg School of Medicine</i>          David M. Mannino, MD, FCCP, FERS, <i>COPD Foundation and University of Kentucky</i>          Ruth Tal-Singer, PhD, <i>COPD Foundation</i></p>
<b>11:00 AM</b>	<b>BREAK</b>
<b>11:15 AM</b>	<p><b>SESSION FIVE: LUNG CANCER &amp; COPD IMAGING – TECHNICAL IMAGING GUIDANCE</b></p> <p><b>Co-Chairs:</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>• <b>Improving CT Lung Cancer Screening Through Image Quality Optimization</b>  <b>Moderator &amp; Topic Overview:</b> Improving CT Lung Cancer Screening Through Calibration Phantom and Software Innovations          Ricardo Avila, MS, <i>Accumetra LLC</i></li> </ul> <p><b>Panelists:</b> Mario Silva, MD, PhD, <i>University of Parma (Italy)</i>          Sean Fain, PhD, <i>Functional Lung Imaging Laboratory, Iowa Institute for Biomedical Imaging, University of Iowa</i>          Stephen Lam, MD, FRCPC, <i>British Columbia Cancer Agency and Pan-Canadian Lung Cancer Screening Network (Canada)</i></p>

**DAY 2** *Continued*

All times listed in Eastern Daylight Time

<b>12:15 PM</b>	<b>LUNCH</b>
<b>1:15 PM</b>	<p><b>SESSION FIVE</b> <i>(Continued)</i></p> <ul style="list-style-type: none"> <li>Establishing a Technical Guidance for COPD and Lung Cancer Image Acquisition Protocol</li> </ul> <p><b>Moderator:</b> Raúl San José Estépar, PhD, <i>Brigham and Women's Hospital and Harvard Medical School</i></p> <p><b>Topic Overview:</b> Charles Hatt, PhD, <i>Imbio LLC and University of Michigan</i></p> <p><b>Panelists:</b> Ella Kazerooni, MD, MS, <i>Michigan Medicine/University of Michigan Medical School</i>  Nicholas Petrick, PhD, <i>Division of Imaging, Diagnostics and Software Reliability, US Food and Drug Administration</i>  George R. Washko, MMSc, MD, <i>Brigham and Women's Hospital and Harvard Medical School</i></p>
<b>2:15 PM</b>	<b>BREAK</b>
<b>2:30 PM</b>	<p><b>COMBINED BREAKOUT – RESULTS &amp; ACTION PLANS</b></p> <p>Joint session discussion on resulting actionable plans for both topics.</p> <ol style="list-style-type: none"> <li><b>Clinical Session - Data Use in the Time of Screening and AI: Defining Consensus, Value, Context and Responsibilities</b></li> <li><b>Technical Session - Optimizing Image Quality and Acquisition Parameters to Enable Optimal Lung Cancer Screening with Assessment of COPD and Related Lung Injuries</b></li> </ol>
<b>3:30 PM</b>	<b>FINAL GENERAL DISCUSSION &amp; FEEDBACK</b>
<b>3:45 PM</b>	<b>WORKSHOP CONCLUDES</b>