



CHULABHORN
ROYAL ACADEMY

Princess Srisavangavadhana Faculty of Medicine

2nd ANNUAL AGILE^{DxRx} CONFERENCE

Alliance for Global Implementation of Lung and Cardiac
Early Disease Detection and Treatment



47th International Conference
on Screening for Lung Cancer

&

15th Conference on Early Lung
Cancer Research on Treatment

Hosted by the **Princess Srisavangavadhana Faculty of Medicine,
Chulabhorn Royal Academy**

April 3 - 5, 2025

**Okura Prestige Hotel
Bangkok, Thailand**

NO FEES, HYBRID EVENT



SCAN & REGISTER



Organized by the Early Diagnosis and Treatment Research Foundation and
the iDNA (Institute for Diagnostic Accuracy)



Mission Statement

The early detection of lung cancer using thoracic CT has been widely demonstrated in multiple international trials to objectively increase cure rates. Now the international focus is on effective and economical implementation. Increasingly, it is emerging that thoracic CT screening is also detecting a range of early tobacco-related diseases including cardiovascular disease and chronic obstructive pulmonary disease. These three diseases comprise the 'BIG3', as they collectively account for close to half of the premature deaths globally. Thoracic CT screening presents a unique opportunity to integrate care for this high risk cohort with a single imaging examination. We plan to develop optimized protocols for evaluation of these major diseases, explore challenges and define solutions in enabling implementation, especially for economically disadvantaged countries across the world. A core strategy in achieving this ambitious goal is to leverage the use of AI processes across the continuum of care, including its use for risk assessment, disease detection and managing disease interventions.

Planning Committee

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Thursday, April 3, 2025

08:30—09:00	Introduction to Sessions Welcome Address Research Updates Meeting Format	N Triphuridet, Y Sittichanbuncha C Henschke, M Oudkerk D Yankelevitz
09:00—09:30	Introductory Lecture: Global Implementation of National Lung Cancer Screening Programs: Key Considerations	C Henschke, M Oudkerk
09:30—10:45	Session 1: Understanding Disease Burden and Screening in Asia: Established Programs and Initiatives Moderators: HH Chen, PC Yang <ul style="list-style-type: none">• Tobacco• Overview of Lung Cancer Burden in Asia• Air Pollution• Occupational Exposure• Heart Disease• Emphysema• Never Smokers	C Healton N Triphuridet H Kan S Markowitz Y Wang SM Lee PC Yang
10:45—11:15	Coffee Break	
11:15—12:00	Session 2: Panel Discussion on AGILE Mission Moderators: M Oudkerk, D Yankelevitz Panelists: S Adamaley, K Kelly, L Seijo, J Vogel-Claussen, Y Wang, PC Yang	
12:00—12:50	Session 3: Diagnostic and Therapeutic Technology Updates Moderators: S Fain, K Lau <ul style="list-style-type: none">• Hardware Updates• Endobronchial Directed Innovations• AI Applications	<div>*Special Session* Details on Last Page</div>
12:50—13:15	Session 3: Roundtable	
13:15—14:15	Lunch Break	
14:15—15:15	Session 4: Role of Chest X-rays Moderators: C Henschke, R Smith <ul style="list-style-type: none">• Considerations for Screening: Review the Evidence• Potential for Improvement with AI• Tomosynthesis• Integration into a CT Screening Program	R Yip S Zheng N Triphuridet R Huber
15:15—16:00	Session 4: Panel Discussion Panelists: H de Koning, R Huber, J Vogel-Claussen, D Yankelevitz	
16:00—16:45	Marilyn and Jim Simons Keynote Lecture Introduction: C Henschke Integrating AI into the Screening Process	M Oudkerk
16:45—17:00	Coffee Break	
17:00—17:45	Session 5: Diagnostic Case Review Moderators: D Shaham, M Silva Panelists: S Adamaley, J Gratama, E Kazerooni, SM Lee, J Vogel-Claussen	

Friday, April 4, 2025

08:30–09:45	Session 6: Integrated Screening Moderators: J Mulshine, D Yankelevitz <ul style="list-style-type: none">• Combined Protocols• Updates on ROBINSCA• Updates on Emphysema• Role of Calibration• Additional findings (Osteoporosis, Liver, etc.)	A Walstra M Oudkerk S Fain A Jirapatnakul J Vogel-Claussen
09:45–10:30	Session 6: Panel Discussion on Comorbidities Panelists: S Fain, E Kazerooni, SM Lee, A Stillman, J Vogel-Claussen, Y Wang	
10:30–10:45	Coffee Break	
10:45–11:45	Session 7: CT Protocol Updates Moderators: C Henschke, J Vogel-Claussen <ul style="list-style-type: none">• Impact of Time Delays• Defining the Benefits of Volumetry• Review of Two-Year Intervals• Significance of Solid Components in Lung Nodules	R Yip M Silva H de Koning H Lancaster
11:45–12:30	Session 7: Panel Discussion (Critical Issues) Panelists: B Pyenson, SM Lee, M Silva, J Vogel-Claussen, A Walstra	
12:30–13:30	Lunch Break	
13:30–14:30	Session 8: Biomarkers: Usefulness and Integration Moderators: J Field, F Hirsch <ul style="list-style-type: none">• Summary of Their Uses in the Context of Screening: How Good Are They Now? (Image- and Blood-based)• How Good Do They Have to Be to Make Them Useful?• Methodology for Evaluation of Clinical Usefulness	H Robbins C Amos V Liebenberg
14:30–15:15	Session 8: Panel Discussion Moderators: J Field, J Mulshine Panelists: V Liebenberg, H Robbins, E Taioli, Y Yatabe	
15:15–15:30	Coffee Break	
15:30–16:15	Session 9: Incidental Nodules and Multifocal nodules Moderators: L Seijo, M Silva <ul style="list-style-type: none">• Extent of Problem and Potential Benefit• Program Implementation• Management Protocols• Multifocal Nodules	N Piyavisetpat R Osarogiagbon C van der Aalst C Aigner
16:15–17:00	Session 9: Panel Discussion Panelists: C Aigner, E Kazerooni, R Osarogiagbon, N Piyavisetpat, C van der Aalst	

Saturday, April 5, 2025

09:00–10:00	Session 10: Therapeutics Updates Moderators: M Infante, P Thongcharoen <ul style="list-style-type: none">• Surgery• Ablation• Immunotherapy• Radiation Therapy	HQ Chen K Lau K Kelly J Setakornnukul
10:00–11:00	Session 11: Therapeutic Case Review Moderators: C Aigner, D Yankelevitz Panelists: HQ Chen, M Infante, K Lau, M Heuvelmans, P Thongcharoen	
11:00–11:30	Coffee Break	
11:30–12:30	Session 12: Collaborations Towards Changing the Staging System for Early Stage Disease Moderators: J Mulshine, R Osarogiagbon <ul style="list-style-type: none">• IASLC• New Insights<ul style="list-style-type: none">◦ Radiology Perspective◦ Surgical Perspective◦ Medical Oncology Perspective◦ Pathology Perspective◦ Biomarker Consortiums	K Kelly C Henschke M Infante L Gros Y Yatabe H Robbins
12:30–13:30	Lunch Break	
13:30–14:15	Session 13: Advocacy in Asia and the Potential to Collaborate Moderator: C Heulton <ul style="list-style-type: none">• The Thailand Tobacco Control Experience• The Philippines Tobacco Control Experience• Creating Tobacco Free Generations	P Vathesatogkit U Dorotheo H Koong
14:15–15:00	Session 14: AGILE Position Papers Moderator: R Yip <ul style="list-style-type: none">• Screening & Nodule Management Protocols• Methodological Considerations of AI Implementation• Integrating Emphysema Screening• Integrating Cardiovascular Screening• Methodological Considerations for Expanding Eligibility• International Collaborations for Screening Equity	C van der Aalst, D Yankelevitz K Myers, A Walstra S Fain, M Heuvelmans M Oudkerk, A Stillman S Markowitz, E Taioli J Field, R Smith
15:00–15:15	Closing Statements and Future Meetings	C Henschke, M Oudkerk



Special Session

Session 3: Diagnostic & Therapeutic Technology Updates April 3, 2025 | 12:00-13:15

"Data-Driven Precision: Enhancing Decision Making in Early Lung Cancer Detection"

Ilya Gipp, MD, PhD

"Photon Counting & AI in Lung Abnormality Detection for Cancer Screening"

Victoria Schneider, MD

"Using AI for Early Lung Cancer Detection"

Ashwini Saha, MD

"Practical Use of CXR-AI in Detecting Lung Cancer"

Passakorn Wanchaijiraboon, MD

"Lung Volume Reduction Case Finding via Lung Cancer Screening"

Kelvin Lau, MA, MBBCh, DPhil, FRCS

"Lung Nodule Detection- Current AI Performance & Beyond High-Risk Groups"

Ryoungwoo Jang, MD, MS

"Glycosaminoglycans as a Liquid Biopsy: Advancing Early Cancer Detection"

Volker Liebenberg, MD