AGILE DxRx Conference

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

45th International Conference on Screening for Lung Cancer

May 9 - May 11, 2024

Universidad de Navarra
Sede de Postgrado
C. del Marquesado de Sta. Marta, 3, 28027
Madrid, Spain

A Hybrid Conference

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

“Catalyzing International Thoracic Screening Innovation through Collaboration”
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.
Thursday, May 9, 2024

09:00 - 10:00  | Introduction to Sessions  
Welcome Statements  
C Henschke, M Oudkerk  
Introduction of Hospital  
L Seijo  
Representation from Spain  
F Matute  
Organization Research Updates  
C Henschke, M Oudkerk  
Format of Meeting  
D Yankelevitz

10:00 - 11:15  | Global Implementation: Challenges  
Moderators: J Mulshine, R Smith  
Panelists: T Blum, E Kazerooni, L Seijo, L Viola, H Wilcox, P-C Yang

11:15 - 11:45  | Coffee Break

11:45 - 13:00  | Enrollment Criteria and Recruitment  
Moderators: E Taioli, C van der Aalst  
Panelists: T Blum, JP de Torres, M Samaržija, K ten Haaf, P-C Yang

13:00 - 14:00  | Technology Updates for Lung Cancer Screening  
Moderators: A Reeves, D Yankelevitz  
Calibration Devices  
R Avila  
MIDRC  
M Giger  
Photon Counting  
Siemens  
Lung Parenchyma  
S Fain  
Integrated Analysis End-to-End Management  
A van Rossem  
Cardiac Chambers  
M Naghavi  
Precision in Lung Biopsies from Decision to Incision  
I Gipp  
MONAI: An Open-Source Platform for Building AI  
NVIDIA

14:00 - 15:00  | Lunch Break

15:00 - 15:45  | Image Biomarkers  
Moderators: B Pyenson, D Yankelevitz  
Introduction: P van der Leest  
Panelists: contextflow, Coreline, Median Technologies, Optellum, Qure.ai, RevealDx, Riverain, Siemens

15:45—16:15  | Simons Foundation International Endowed Lecture  
Introduction: C Henschke  
International Standards Interoperability and Primary Reads  
K Myers

16:15—17:15  | Diagnostic Case Review  
Moderators: L Seijo, D Shaham  
Panelists: G Bastarriska, M Cham, E Kazerooni, M Samaržija, L Viola

17:15—18:00  | African Initiative  
Moderators: C Henschke, R Osarogiagbon  
Panelists: Egypt, Ethiopia, Ghana, Kenya, Nigeria
08:30—09:45  CT Image Acquisition and Interpretation: The Need for Standardization
Moderators: M Oudkerk, M Silva
Panelists: R Avila, M Giger, K Myers, A Walstra

09:45—11:00  CT Protocol Management Updates
Moderators: C Henschke, R Yip
Panelists: J Gratama, M Heuvelmans, H Lancaster, E Kazerooni, M Silva, D Yankelevitz

11:00—11:30  Coffee Break

11:30—12:45  Cost Effectiveness
Moderators: H de Koning, J Mulshine
Introduction: B Pyenson, K ten Haaf
Panelists: M Naghavi, M Oudkerk, B Pyenson, E Taioli, K ten Haaf

12:45—13:45  Lunch Break

13:45—15:00  AI for Lung Nodules
Moderators: H Lancaster, M Silva
Panelists: M Heuvelmans, B Hochhegger, K Myers, S Zheng

15:00—16:15  International Data Security and Consequences for Implementation
Moderators: J Mulshine, A Reeves
Introduction: D Clunie, A van Rossem
Panelists: R Avila, D Clunie, M Giger, A van Rossem, S Zheng

16:15—17:15  Optimizing Precision in Comprehensive Annual Chest CT Imaging
Moderators: C Aldigé, J Mulshine
Panelists: R Avila, M Cham, S Fain, M Heuvelmans
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<td>08:30—09:30</td>
<td><strong>Therapeutic Updates</strong></td>
<td>R Flores</td>
<td>H Chen, R Samstein, K Kelly, K Lau</td>
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<td>Surgical Techniques</td>
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<td>Bronchosopic Applications</td>
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<td>09:30—10:30</td>
<td><strong>Surgical Considerations for Global Implementation</strong></td>
<td>F Grannis</td>
<td>H Chen, R Flores, M Infante, JC Trujillo</td>
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<td>10:30—11:30</td>
<td><strong>Therapeutic Case Review</strong></td>
<td>D Yankelevitz</td>
<td>H Chen, R Flores, M Infante, K Lau, R Samstein, JC Trujillo</td>
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<td>11:30—12:00</td>
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<td>12:00—13:00</td>
<td><strong>Education and Workforce Considerations</strong></td>
<td>M Cham, L Kim</td>
<td>C Healton, J Sanz, L Viola, J Vogel-Claussen, H Wilcox</td>
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<td>13:00—14:00</td>
<td><strong>Future Horizons for Thoracic Screening</strong></td>
<td>R Lee, B Pyenson</td>
<td>C Healton, J Vogel-Claussen, P-C Yang, TBN</td>
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<td>14:00—14:30</td>
<td><strong>Closing Statements and Future Meetings</strong></td>
<td>C Henschke, M Oudkerk</td>
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