

ESTI 2020 Annual Scientific Meeting

June 04-06, 2020

Oxford/UK

Wednesday, June 03

Time	Workshop Room - L1
14:00-17:00	Interactive Refresher Course (Quiz + Talks + Quiz) Moderator: A.P. Parkar, Bergen/NO
14:00	Introduction and HRCT interactive quiz A.P. Parkar, Bergen/NO
14:20	Interstitial lung disease and fibrosis S. Desai, London/UK
14:40	Emphysema and airways disease A. Nair, London/UK
15:00	Cystic lung disease I. Hartmann, Zwijndrecht/NL
15:20-15:50	Coffee Break
15:50	Pulmonary vascular disease N. Sreaton, Cambridge/UK
16:10	Nodular patterns and nodules F. Molinari, Tourcoing/FR
16:30	Quiz A.P. Parkar, Bergen/NO

Thursday, June 04

Time	Lecture Room - L1
08:30-09:40	Scientific Session 1 Moderators: tbc
08:30	Deep learning-based prediction of progressive fibrotic lung disease on baseline computed tomography in the Australian IPF Registry tbc
08:40	Pleuroparenchymal fibroelastosis: Clinical, functional and morphologic determinants of mortality E.C. Bartlett, London/UK
08:50	High-resolution computed tomography (HRCT) findings of pulmonary involvement in primary Sjogren syndrome: A tertiary pulmonary center experience tbc
09:00	CLAD after lung transplantation: Comparing CT features between BOS, RAS and non-CLAD patients tbc
09:10	Validation of deep learning-based diagnostic likelihoods of usual interstitial pneumonia on baseline computed tomography in the Australian IPF Registry tbc
09:20	Systemic sclerosis-related lung cancer: CT features tbc
09:30	The role of semiquantitative and quantitative analysis of lung CT in the assessment of interstitial lung disease in idiopathic inflammatory myopathies C. Roncella, Pisa/IT
09:40-10:00	Coffee Break
10:00-10:15	Opening Session Welcome from the 2020 congress president F. Gleeson, Oxford/UK
10:15-10:20	Break
10:20-12:00	Lung Cancer I Moderators: M. Prokop, Nijmegen/NL
10:20	Atypical CT appearances of lung cancer D. Aberle, Los Angeles/US
10:45	Staging the mediastinum for lung cancer - Arcane and novel methods H. Prosch, Vienna/AT
11:10	The Lung Cancer Diagnostic Pathway - Are delays significant D. Baldwin, Nottingham/UK
11:35	State of the art lung biopsy S. Padley, London/UK
12:00-12:15	Break
12:15-13:15	Industry sponsored lunch symposium
13:15-13:20	Break
13:20-15:20	Lung Cancer II Moderators: A. Snoeckx, Edegem/BE
13:20	Imaging of post surgical appearances P. Beddy, Dublin/IE
13:50	Ablation of lung tumours - Complications and outcomes A.R. Larici, Rome/IT
14:20	Immunotherapy for lung cancer and imaging appearances M-P. Revel, Paris/FR
14:50	CT and genetic mutations in lung cancer J. Dinkel, Munich/DE
15:20-15:50	Coffee Break
15:50-17:30	Thoracic CT - Miscellaneous patterns and diseases Moderators: N. Sreaton, Cambridge/UK
15:50	The Tree in Bud pattern - State of the art interpretation and diagnosis J. Verschakelen, Leuven/BE
16:15	Sarcoid complications L. Calandriello, Rome/IT
16:40	Hypersensitivity pneumonitis - New approaches to diagnosis S. Walsh, London/UK
17:05	Pulmonary Hypertension and the right ventricle on CT G. Robinson, Bath/UK

Time	Lecture Room - L2
08:30-09:40	Scientific Session 2 Moderators: tbc
08:30	The Ability of Deep-Learning Based Nodule Volumetry for the Prediction of Patient Prognosis in Part-solid Lung Adenocarcinomas tbc
08:40	Pulmonary nodule volume measurement on modern CT scanners: Can we reduce the follow-up time? D. Grob, Nijmegen/NL
08:50	Convolutional Neural Network (CNN) for 3D CADx System: Comparison of Quantitative Nodule Component Measurement Accuracy and Pulmonary Nodule Differentiation on Routine Clinical CT tbc
09:00	AI-based CADx improves radiologists' stratification of indeterminate pulmonary nodules: An MRMC reader study tbc
09:10	Impact of vessel suppressed-CT on diagnostic accuracy in detection of Pulmonary Metastasis and Reading Time K. Martini, Zurich/CH
09:20	Can machine learning provide insight on what variables are predictive of whether patients with incidental pulmonary nodules on CT will receive appropriate follow up? E.J.M. Barbosa Jr; Philadelphia, PA/US
09:30	Overlapping Reconstructions in Thin-section Computed Tomography - Benefits for Volume Measurements of Small Lung Nodules? M. Eberhard, Zurich/CH
09:40-10:00	Coffee Break
	Break
10:20-12:00	Airways Moderators: D. Manos, Halifax/CA
10:20	Expiratory CT - Still relevant? J. Babar, Thriplow/UK
10:45	Relapsing polychondritis and mimics G. Chassagnon, Paris/FR
11:10	Novel treatments for COPD and role of imaging M. Wiertel, Heidelberg/DE
11:35	HRCT and bronchiectasis S. Desai, London/UK
13:20-15:20	Pulmonary Vascular Moderators: R. Benamore, Oxford/UK
13:20	Dual energy in pulmonary vascular disease M. Remy-Jardin, Lille/FR
13:50	Who to refer for pulmonary endarterectomy? N. Sreaton, Cambridge/UK
14:20	Recent advances in CTPA C. Schaefer-Prokop, Amersfoort/NL
14:50	Imaging pulmonary haemorrhage E. Castañer González, Sabadell/ES
15:20-15:50	Coffee Break
15:50-17:30	Mediastinum and Pleura Moderators: tbc
15:50	Management of pleural effusions N. Rahman, Oxford/UK
16:15	Diagnosis and staging of thymoma B. Ghaye, Brussels/BE
16:40	Mesothelioma and pleural surgery T. Frauenfelder, Zurich/CH
17:05	Diffuse pleural thickening - Diagnosis and clinical significance R. Benamore, Oxford/UK

Friday, June 05

Time	Lecture Room - L1
08:30-10:00	Scientific Session 3 Moderators: tbc
08:30	Hyperpolarized Xenon-129 MRI for Assessment of Gas Exchange Parameters in Healthy and COPD Subjects tbc
08:40	Comparison of the full-scale airway network flow model and xenon-enhanced dual-energy CT imaging data to assess the lung ventilation in patients with COPD tbc
08:50	AI-based detection of pathologies in standard chest x-ray: Does it outperform radiologist? T. Frauenfelder, Zurich/CH
09:00	Pneumonia detection in chest X-ray dose-equivalent CT: Impact of dose reduction on detectability by Artificial Intelligence M. Schwyzer, Zurich/CH
09:10	Effect of reconstruction kernel in LDCT on emphysema classification using deep learning Y. Nagaraj, Groningen/NL
09:20	Determining the Effectiveness of Quantitative Computed Tomography Measurements of Emphysema in Chronic Obstructive Pulmonary Disease T. Fetullayeva, Ankara/TR
09:30	Bone mineral density in cystic fibrosis patients using low-dose chest computed tomography: A pilot study tbc
09:40	Discussion
10:00-10:30	Coffee Break
10:30-12:00	Automated Evaluation in Thoracic Imaging Moderators: tbc
10:30	The basics of Artificial Intelligence T. Kadir, Oxford/UK
10:55	The work needed to validate the use of AI in CXR interpretation tbc
11:20	AI in nodule classification C. Jacobs, Nijmegen/NL
11:45	Will AI help in managing Interstitial Lung Disease S. Walsh, London/UK
12:00-12:15	Break
12:15-13:15	Industry sponsored lunch symposium
13:15-13:30	Break
13:30-15:30	Acute Imaging Moderators: M-P. Revel, Paris/FR
13:30	Imaging Blunt Thoracic Trauma M. Das, Duisburg/DE
14:00	Incidental findings in thoracic trauma scans E.J.M. Barbosa, Philadelphia/US
14:30	Pulmonary embolism in pregnancy A. Beale, Swindon/UK
15:00	Haemothorax and cardiac trauma imaging M. Brink, Nijmegen/NL
15:30-16:00	Coffee Break
16:00-17:40	ILD Moderators: H. Prosch, Vienna/AT; J. Verschakelen, Leuven/BE
16:00	Interstitial lung abnormalities N. Sverzellati, Parma/IT
16:25	NSIP revisited A. Devaraj, London/UK
16:50	Antisynthetase and related connective tissue diseases - HRCT appearances P-Y. Brillet, Bobigny/FR
17:15	Smoking related ILD S. Copley, London/UK

Time	Lecture Room - L2
08:30-10:00	Scientific Session 4 Moderators: tbc
08:30	Increasing benefits with additional screening rounds in the National Lung Screening Trial: A simulation study A. Schreuder, Nijmegen/NL
08:40	Combining the Autologous Blood Patch with the Needle-Out Rapid Patient-Rollover Technique following CT-guided Lung Biopsy Reduces the Incidence and Size of Pneumothoraces J. Duignan, Dublin/IE
08:50	Maximising radiologist adherence to nodule management protocols in lung screening using a modified LUNG-RADS protocol based on BTS guidelines E.C. Bartlett, London/UK
09:00	Computed tomography of insufflated lung specimen following segmentar Video-Assisted Thoracic Surgery (VATS): Detection and free-margins assessment in subsolid pulmonary lesions tbc
09:10	Combining Early Contrast Enhancement with pharmacokinetic analysis using contrast enhanced pleural MRI in patients with possible small volume pleural malignancy G. Cowell, Glasgow/UK
09:20	Computed Tomography Guided Microwave Ablation of Lung Tumours: A Single Centre Experience D. Mulholland, Dublin/IE
09:30	Early detection of lung cancer using ultra-low-dose computed tomography in coronary CT angiography scans among patients with suspected coronary heart disease tbc
09:40	The Utility of Ultrasound in the Detection of Pneumothorax Post Image-guided Percutaneous Transthoracic Needle Intervention (PTNI) tbc
09:50	MR-guided microwave ablation for pulmonary malignant tumour Z.-Y. Lin, Fuzhou/CN
10:00-10:30	Coffee Break
10:30-12:00	Lung Screening Moderators: M. Silva, Parma/IT
10:30	3 challenges - Lessons learned from America D. Aberle, Los Angeles/US
10:55	What makes a good lung cancer screen reader A. Sharman, Manchester/UK
11:20	False negatives in lung cancer screening M. Prokop, Nijmegen/NL
11:45	Subsolid nodules - When to intervene? M-P. Revel, Paris/FR
13:30-15:30	Lung Cancer III - ESTI meets CSTR Moderators: C. Dennie, Ottawa/CA
13:30	PET-CT in Lung Cancer A. Scarsbrook, York/UK
14:00	The Indeterminate Pulmonary Nodule: Providing More Definitive Characterization of Benign Etiology D. Manos, Halifax/CA
14:30	Lung Cancer pre- and post radiotherapy G. Ferretti, Grenoble/FR
15:00	Lung Cancer Survivorship: Follow-up of the Lung Cancer Patient after Curative Intent Therapy tbc
15:30-16:00	Coffee Break

Saturday, June 06

Time	Lecture Room - L1
08:00-09:45	ESTI meets ESCR Moderators: J. Biederer, Heidelberg/DE
08:00	Noncardiac findings on cardiac CT G. Aviram, Tel Aviv/IL
08:25	Cardiac calcifications: What do they tell us? F. Pontana, Lille/FR
08:50	Why chest radiologists should be involved in coronary CTA J. Bremerich, Basel/CH
09:15	How to do coronary CTA in 20 minutes R. Vliegthart, Groningen/NL
09:40	Discussion
09:45-10:15	Coffee Break
10:15-11:30	Dose and Techniques Moderators: G. Aviram, Tel Aviv/IL; A. Nair, London/UK
10:15	Update on iterative reconstruction C. Beigelman-Aubry, Lausanne/CH
10:40	MRI of the airways J. Biederer, Heidelberg/DE
11:05	Dose Implications in lung screening K. Martini, Zurich/CH
11:30-11:45	Break
11:45-12:45	Industry sponsored lunch symposium
12:45-13:00	Break
13:00-15:00	Lung Nodule Moderators: A.R. Larici, Rome/IT
13:00	Measuring nodule size - Methods and outcomes A. Nair, London/UK
13:30	Importance of morphological assessment A. Farchione, Rome/IT
14:00	Incidental nodules: How to reduce over diagnosis and investigation? M. Silva, Parma/IT
14:30	Benign lung tumours A. Snoeckx, Edegem/BE
15:00-15:15	Break
15:15-16:00	Honorary Membership & Awardings Moderators: tbc
15:15	Honorary Lecture M. Prokop, Nijmegen/NL
15:35	Awardings F. Gleeson, Oxford/UK

Time	Lecture Room - L2
08:00-08:45	ESTI General Assembly
08:45-09:45	Scientific Session 5 Moderators: tbc
08:30	Artificial intelligence in the risk stratification of patients with acute pulmonary embolism tbc
08:40	Pre-operative cardiothoracic ratio's impact on outcome following adult cardiac surgery under cardio-pulmonary bypass H. Ramdani, Rabat/MA
08:50	Assessment of objective image quality in chest-CTA: Evaluation of different CNR measurement methods tbc
09:00	Determination of the Extreme Volumes for each of the Cardiac Chambers on CT Pulmonary Angiography and their Prognostic Value tbc
09:10	Mycotic thoracic pseudoaneurysms - CT angiography as a modality for vascular mapping to guide management tbc
09:20	Discussion
09:45-10:15	Coffee Break
10:15-11:30	ESTI meets respiratory medicine Moderators: tbc
13:00-15:00	ESTI meets KSTR (oral presentations) Moderators: tbc
13:00	Development and Validation of a Preoperative CT-Based Deep Learning Survival Prediction Model in Patients with Lung Adenocarcinomas: Multivariable Analyses with Clinical Prognostic tbc
13:09	Development of deep learning-based automatic classification algorithm for predicting calcification of pulmonary nodule on chest radiograph tbc
13:18	Serial changes of chest CT findings in patients with chronic hypersensitivity pneumonitis: Predicting the subgroup with fibrotic progression and poor prognosis tbc
13:27	Comparison of CT characteristics between primary drug-sensitive tuberculosis and multidrug-resistant tuberculosis tbc
13:36	A radiomics approach on Chest CT Images Distinguish Primary Lung Cancer from Solitary Lung Metastasis in Colorectal Cancer Patients tbc
13:45	CT Findings and Prognostic CT Features of Seasonal Influenza Viral Pneumonia in Adults tbc
13:54	Quantitative Evaluation of Volume and Attenuation Changes of Each Lobe After Classic Video-assisted Thoracoscopic Single Lobectomy J.W. Lee, Bucheon/KR
14:03	Emphysema is associated with the aggressiveness of COPD-related adenocarcinomas tbc
14:12	The Effect of Inferior Pulmonary Ligament Preservation during Left Upper Lobectomy on Lung Volume, Bronchial Angle, and Bronchial Tortuosity tbc
14:21	Comparison of efficacy and safety between CT-guided lung biopsy and CT-guided percutaneous bone biopsy based on PET/CT findings in the patients with stage IV lung cancer J. Park, Daegu/KR
14:30	3D CT texture analysis of thyroid nodules: Differences between benign and malignant nodules tbc
14:39	Effects of Deep Learning based Image Reconstruction on the Volumetry of Ground Glass Opacity Nodules with Ultra-Low Dose CT: A Phantom Study tbc
14:48	Quantitative CT-based Prone Position Effect on Regional Lung Function and Diaphragm between IPF and Healthy Subjects tbc
14:57	Discussion