ESTI-Fleischner 2019 Joint Meeting
May 09-11, 2019
Paris, France

Wednesday, May 08

Time		Workshop Room - Petit Amphitheatre
13:00-14:30		**High resolution CT**
		Moderator: D. Lynch, Denver/US
	13:00	**Secondary pulmonary lobule anatomy and nodular pattern**
		H. Prosch, Vienna/AT
	13:18	**Linear and reticular pattern**
		F. Molinari, Tourcoing/FR
	13:36	**GGO opacities and consolidation**
		M. Silva, Parma/IT
	13:54	**Approach to cystic lung diseases**
		A. Oikonomou, Toronto/CA
	14:12	**How to diagnose fibrotic lung diseases**
		D. Lynch, Denver/US
14:30-15:00		Break
15:00-16:00		**Lung nodule management**
		Moderator: A. Devaraj, London/UK
	15:00	**Radiological assessment**
		T. Frauenfelder, Zurich/CH
	15:20	**Characterization**
		A.R. Larici, Rome/IT
	15:40	**Management guidelines**
		A. Devaraj, London/UK
16:00-16:30		Break
16:30-17:45		**Chest radiography**
		Moderator: L. Goodman, Milwaukee/US
	16:30	**A chest radiography reading guide**
		D. Tack, Braine-L'Alleud/BE
	16:45	**Alveolar, interstitial and nodular syndromes**
		M. Schiebler, Wisconsin/US
	17:00	**Lobar atelectasis**
		A. Leung, Stanford/US
	17:15	**Pleural syndrome**
		A.P. Parkar, Bergen/NO
	17:30	**Mediastinal syndromes**
		L. Goodman, Milwaukee/US

Thursday, May 09

Time		Room 1 - Amphitheare Lavoisier		Time		Room 2 - Petit Amphitheatre
08:30-09:40		**Scientific Session 1: Lung cancer, nodules and screening**		08:30-09:40		**Scientific Session 2: AI, radiomics, Prediction Imaging**
		Moderators: P. Grenier, Paris/FR				Moderators: tba
	08:30	**Low-dose computed tomography (LDCT) screening reduces lung cancer mortality beyond 5 years**			08:30	**Automated CT quantification of interstitial lung disease: Comparison between convolutional neural network and ground truth**
		M. Silva, Parma/IT				Y.-W. Kim, Paris/FR
	08:40	**Lung cancer risk after baseline round of screening: Only 20% of NLST eligibles require annual round**			08:40	**Deep Muti-Atlas Driven Elastic Nets For segmentation of scleroderma-related ILD on chest CT**
		M. Silva, Parma/IT				G. Chassagnon, Paris/FR
	08:50	**Lung Cancer Screening with Ultralow Dose Chest CT: Potential Pitfalls of Pulmonary Findings in Different Readers with Various Experience Levels**			08:50	**Deep iodine: Artificial intelligence-based normalized subtraction CT iodine maps for improved detection of pulmonary embolism**
		K. Martini, Zurich/CH				D. Grob, Nijmegen/NL
	09:00	**Regional polish lung cancer screening program - CT results and lung cancer detection rate**			09:00	**Performance of an AI-powered lung nodule detection and segmentation algorithm in a patient cohort with histologically confirmed lung tumors**
		M. Jelitto-Gorska, Gdansk/PL				A.W. Sauter, Basel/CH
	09:10	**Lung cancer screening in an oncologic patient population. Results of our 7 year experience**			09:10	**CT 3D texture analysis: Differentiation of thymoma from thymic cyst by enhanced CT imaging**
		E. O'Dwyer, New York/US				S. Lim, Seoul/KR
	09:20	**Is it possible to discriminate pulmonary carcinoids from hamartomas based on CT features?**			09:20	**Predicting overall survival of lung cancer patients using Radiomics CT features**
		A. Gursoy Coruh, Ankara/TR				M.K. Santos, Ribeirao Preto/BR
	09:30	**Characterization of mediastinal anterior masses with magnetic resonance imaging using diffusion-weighted imaging and prediction of World Health Organization classification**			09:30	**Which Imaging Characteristics Predict Recurrence In Stage 3A Lung Cancer After Chemotherapy And Radiation Therapy Treatment?**
		M. Gavrel, Villejuif/FR				C. Simmers, New York/US
09:40-10:00		Break		09:40-10:00		Break
10:00-10:30		**Opening Session**				
		Moderators: C. Powell, New York/US; M-P. Revel, Paris/FR				
	10:00	**Welcome from the 2019 congress presidents**				
		C. Powell, New York/US; M-P. Revel, Paris/FR				
	10:05	**Thoracic applications of AI: Threat or opportunity?**				
		E. Siegel, Baltimore/US				
10:30-12:10		**Oncology: Lung cancer in 2019**		10:30-12:10		**Functional imaging**
		Moderators: L. Bonomo, Rome/IT; S. Sakai, Tokyo/JP				Moderators: M. Schiebler, Madison/US; E. van Beek, Edinburgh/UK
	10:30	**Current trends in worldwide lung cancer epidemiology**			10:30	**Evaluating the pulmonary perfusion**
		C. Powell, New York/US				M. Remy-Jardin, Lille/FR
	10:52	**The new TNM system: Changes and limitations**			10:52	**Functional imaging in COPD**
		A.R. Larici, Rome/IT				J.B. Seo, Seoul/KR
	11:14	**Immunotherapy: How can imaging help to evaluate the response?**			11:14	**Evaluating the CF patient**
		C. Caramella, Villejuif/FR				M.O. Wielpütz, Heidelberg/DE
	11:36	**Do not forget the patient: Sarcopenia and other comorbidities**			11:36	**New trends in functional imaging**
		F. Goldwasser, Paris/FR				E. Hoffman, Iowa/US
	11:58	**Discussion**			11:58	**Discussion**
12:10-12:15		Break				
12:15-13:15		Industry sponsored lunch symposium				
13:15-13:30		Break				
13:30-15:30		**CT lung cancer screening**		13:30-15:30		**COPD and other inhalation diseases**
		Moderators: H-U. Kauczor, Heidelberg/DE; H. Prosch, Vienna/AT				Moderators: S. Murayama, Nisihara/JP; J.B. Seo, Seoul/KR
	13:30	**Summary of current evidence, results from the Nelson study**			13:30	**Current trends in COPD epidemiology and smoking epidemic**
		M. Prokop, Nijmegen/NL				S. Raoof, New York/US
	13:52	**Best technical imaging standards in CT lung cancer screening**			13:52	**From pathology to imaging: Lessons from micro-CT**
		A. Snoeckx, Edegem/BE				J. Hogg, Vancouver/CA
	14:14	**Risk models and biomarkers: Do they improve screening?**			14:14	**Smoking-related interstitial lung disease**
		M. Silva, Parma/IT				J. Galvin, Silver Spring/US
	14:36	**Psychological impact of screening**			14:36	**Hypersensitivity pneumonitis: An update**
		J. Brodersen, Copenhagen/DK				A. Devaraj, London/UK
	14:58	**US experience after implementation**			14:58	**Aspiration: Imaging manifestations**
		P. Boiselle, Boston/US				J. Ryu, Rochester/US
	15:20	**Discussion**			15:20	**Discussion**
15:30-16:00		Break		15:30-16:00		Break
16:00-17:40		**Radiation dose**		16:00-17:36		**KSTR and FSTI joint session**
		Moderators: A.P. Parkar, Bergen/NO; Y. Ohno, Kobe/JP				Moderators: M. Lederlin, Rennes/FR; J.W. Song, Seoul/KR
	16:00	**Dose optimization for thoracic CT: The MEDIRAD project**			16:00	**Hemoptysis: KSTR guidelines**
		C. Hoeschen, Magdeburg/DE				J-H. Kim, Daejeon/KR
	16:22	**How do I evaluate CT radiation dose**			16:15	**Hemoptysis embolization: 10 year experience**
		D. Tack, Braine-L'Alleud/BE				A. Khalil, Paris/FR
	16:44	**Ultra-low dose CT protocols: Clinical indications**			16:30	**Endovascular management of severe hemoptysis in patients with lung transplantation**
		G. Ferretti, Grenoble/FR				W. Mohammad, Paris/FR
	17:06	**Imaging the lung with no dose: Current role of MRI**			16:36	**Hemoptysis requiring bronchial artery embolization in patients with nontuberculous mycobacteria lung disease**
		J. Biederer, Sehheim-Jugenheim/DE				S.S. Shim, Seoul/KR
	17:28	**Discussion**			16:42	**Transthoracic rebiopsy for mutation analysis in lung adenocarcinoma: Outcomes and risk factors for non-diagnostic specimen in 199 patients**
						B. Nam, Seoul/KR
					16:48	**Diagnostic outcome and safety of CT-guided core needle biopsy for mediastinal mass: A Systematic review and meta-analysis**
						H.N. Lee, Seoul/KR
					16:54	**Diagnostic accuracy of CT-guided core biopsy of thin-walled cavitary pulmonary lesions**
						K.E. Shin, Bucheon-si, Gyeonggi-do/KR
					17:00	**Efficacy of advanced knowledge-based iterative reconstruction in coronary CT angiography for plaque quantification: A comparison with intravascular ultrasound**
						J.Y. Yoo, Cheongju-si/KR
					17:06	**Preoperative CT-determined emphysema and postoperative pulmonary complication for non-small cell lung cancer**
						H.Y. Lee, Incheon/KR
					17:12	**Imaging of lung transplantation and common postoperative complications**
						Y. Choi, Yangsan/KR
					17:18	**Clinicoradiologic significance of Late-Onset Noninfectious Pulmonary Complications (LONIPCs) after allogenic hematopoietic stem cell transplantation (HSCT)**
						J.S. Park, Bucheon/KR
					17:24	**Chest Magnetic Resonance Imaging: Current Applications and Future Perspectives**
						Y.J. Jeong, Busan/KR
					17:30	**Stepwise diagnostic approach to cystic lung diseases for radiologists**
						E.-Y. Kang, Seoul/KR

Friday, May 10

Time	Room 1 - Amphitheare Lavoisier		Time	Room 2 - Petit Amphitheatre
08:30-10:00	**Scientific Session 3: Airways COPD**	08:30-10:00		**Scientific Session 4: Pulmonary and nodule perfusion, dose reduction and intervention[m1]**
	Moderators: A. Bankier, Boston/US			Moderators: D. Tack, Braine-L'Alleud/BE
	08:30 **Prone vs supine posture differences in quantitative CT imaging-derived regional lung ventilation map and motionography in healthy subjects**			08:30 **Perfusion defects on dual energy CT angiogram correlate with lower survival in patients with pulmonary embolism**
	C. Lee, Seoul/KR			R. Perez Johnston, New York/US
	08:40 **Numerical Modeling of Hyperpolarized Xenon-129 Gas Transfer in Health and COPD Subjects**			08:40 **Intra-patient comparison of pulmonary nodule enhancement in subtraction CT and dual-energy CT**
	O. Doganay, Oxford/UK			D. Grob, Nijmegen/NL
	08:50 **Quantitative computed tomography in the assessment of asthma severity**			08:50 **CT angiography for pulmonary embolism in the emergency department: Diagnostic accuracy of 20 ml high-concentration contrast medium**
	M. Patyk, Wroclaw/PL			G. Milanese, Parma/IT
	09:00 **Comparison of Different Reconstruction Kernel in Quantitative Evaluation of Emphysema on CT**			09:00 **Organ-based radiation dose reduction to breast in lung cancer screening with low-dose computed tomography (CT)**
	M. Khalil, Gothenburg/SE			P. Franchi, Teramo/IT
	09:10 **Emphysema in Lung Cancer Screening Program participants - Visual and automatic evaluation**			09:10 **Comparison of ultra-low dose CT scanning protocols for the detection of pulmonary nodules classified according to lungrads: A phantom study**
	A. Durawa, Gdansk/PL			G. Milanese, Parma/IT
	09:20 **Fully automated 3D quantification of "minus" and "plus" pathology in Cystic Fibrosis using 3D-UTE MRI: A validation study**			09:20 **Vertical off-centering in Reduced Dose Chest-CT with Automated Tube Current Modulation: Impact on effective dose and image noise**
	I. Benlala, Bordeaux/FR			K. Martini, Zurich/CH
	09:30 **CT Evaluation of hyperattenuating mucus to diagnose allergic bronchopulmonary aspergillosis in the special condition of cystic fibrosis**			09:30 **Study on Radiation Dose in accordance with the Automatic Exposure Control Chamber position on Chest PA**
	G. Dournes, Bordeaux/FR			D. Sung, Seoul/KR
	09:40 **Derivation und Validation of a Primary Ciliary Dyskinesia Computed Tomography (PCD-CT) Score in adult patients with bronchiectasis**			09:40 **CT-guided microcolof pulmonary nodule localization prior to video-assisted thoracoscopic surgery (VATS): Diagnostic utility and recurrence-free survival**
	S. Dettmer, Hanover/DE			J.C.L. Rodrigues, Bath/UK
	09:50 **Not to be Sniffed At: Role of Diaphragm Fluoroscopy in influencing patient selection for surgical intervention in patients with Diaphragmatic Paralysis**			09:50 **Air embolism - Severe complication of percutaneous lung needle biopsy, which could be avoided**
	H. Ramotar, Leeds/UK			M. Jelitto-Gorska, Gdansk/PL
10:00-10:30	Company Slot			
10:30-11:00	Break	10:30-11:00		Break
11:00-12:30	**Guidelines and practice**	11:00-12:30		**Vascular diseases**
	Moderators: T. McLoud, Boston/US; H. Prosch, Vienna/AT			Moderators: J. Mayo, Vancouver/CA; J. Vilar Samper, Valencia/ES
	11:00 **Fleischner Society guidelines for solid and subsolid nodules management**			11:00 **Pulmonary hypertension: Role of CT**
	H. MacMahon, Chicago/US			N. Screaton, Cambridge/UK
	11:20 **STR guidelines for evaluating suspected pulmonary embolism during pregnancy**			11:20 **Large vessel vasculitis**
	A. Leung, Stanford/US			E. Castañer González, Sabadell/ES
	11:40 **Guidelines for lung cancer screening: European and US perspectives**			11:40 **Small vessel vasculitis**
	A. Bankier, Boston/US			tbc
	12:00 **Multidisciplinary conferences: Where is and how do we quantify "added value"**			12:00 **Acute aortic syndromes**
	J. Verschakelen, Leuven/BE			D. Litmanovich, Boston/US
	12:20 **Discussion**			12:20 **Discussion**
12:30-12:45	Break			
12:45-13:45	Industry sponsored lunch symposium			
13:45-14:00	Break			
14:00-16:00	**Radiomics and deep learning**	14:00-16:00		**Acute and chronic pulmonary embolism**
	Moderators: N. Paragios, Paris/FR; E. Siegel, Baltimore/US			Moderators: C. Dennie, Ottawa/CA; M. Remy-Jardin, Lille/FR
	14:00 **Radiomics: How does it work?**			14:00 **Acute and chronic pulmonary embolism: Diagnostic imaging strategies**
	L. Fournier, Paris/FR			L. Haramati, Bronx/US
	14:22 **Deep learning: How does it work?**			14:22 **The role of CT for risk stratification in acute PE**
	M. Vakalopoulou, Saclay/FR			G. Aviram, Tel-Aviv/IL
	14:44 **Radiomics: Characterization or prognosis tool in lung cancer?**			14:44 **New MR sequences: Current performance and remaining limitations**
	J.M. Goo, Seoul/KR			B. Ghaye, Brussels/BE
	15:06 **Deep learning for classification and quantification of lung fibrosis**			15:06 **Subsegmental PE: Definition and evidence-based management**
	G. Chassagnon, Paris/FR			C. Schaefer-Prokop, Amersfoort/NL
	15:28 **Deep learning for detection and characterization of lung nodules**			15:28 **Evaluating PE with dual layer CT**
	B. van Ginneken, Nijmegen/NL			E. Coche, Brussels/BE
	15:50 **Discussion**			15:50 **Discussion**
16:00-16:30	Break	16:00-16:30		Break
16:30-18:10	**Idiopathic pulmonary fibrosis (IPF): An update**	16:30-18:10		**ESTI meets STR: Infection**
	Moderators: P-Y. Brillet, Bobigny/FR; A. Devaraj London/UK			Moderators: T. Frauenfelder, Zurich/CH; A. Oikonomou, Toronto/CA
	16:30 **New IPF criteria: Impact on imaging and treatment**			16:30 **TB: The role of imaging in the worldwide battle**
	D. Lynch, Denver/US			R. Gill, Lexington/US
	16:52 **Acute exacerbation: Current definition, differentials and imaging features**			16:52 **Emerging infections: What can imaging tell us?**
	N. Sverzellati, Parma/IT			T. Franquet, Barcelona/ES
	17:14 **Novel treatments: What have they changed or improved?**			17:14 **The many faces of pulmonary aspergillosis: A memoir**
	tbc			W. Gefter, Wynnewood/US
	17:36 **Computed Tomographic Biomarkers in Idiopathic Pulmonary Fibrosis**			17:36 **HIV infection: Current trends with a special focus on Africa and on adolescents**
	S. Walsh, London/UK			S. Desai, London/UK
	17:58 **Discussion**			17:58 **Discussion**

Saturday, May 11

Time	Room 1 - Amphitheare Lavoisier
08:30-09:45	**ESTI meets ESCR: Assessing the heart on routine, ungated chest CT**
	Moderators: J. Bremerich, Basle/CH; S. Padley, London/UK
08:30	**What to do about incidental extrapulmonary findings in the heart: A practical approach**
	L. Natale, Rome/IT
08:46	**Evaluating the pulmonary veins before and after ablation**
	M. Das, Duisburg/DE
09:02	**Coronary calcium scoring on ungated CT: As useful as dedicated scoring on gated CT?**
	R. Vliegenthart, Groningen/NL
09:18	**Cardiac calcifications: What do they tell us?**
	F. Pontana, Lille/FR
09:34	**Discussion**
10:00 -11:30	**Film Panel Introduction + Dancing (15min)**
	Moderators: P. Grenier, Paris/FR; N. Howarth, Chêne-Bougeries/CH
	Team 1
	C. de Margerie-Mellon, Paris/FR; R. Gill, Lexington/US; A. Oikonomou, Toronto/CA; C. Ridge, London/UK
	Team 2
	L. Goodman, Milwaukee/US; N. Sverzellati, Parma/IT; G. Rubin, Stanford/US; C. White, Baltimore/US
11:30-11:45	Break
11:45-12:45	Industry sponsored lunch symposium
12:45-13:00	Break
13:00-15:00	**Thoracic intervention**
	Moderators: J.Y. Gaubert, Marseille/FR
13:00	**Percutaneous lung nodule biopsy: Tips & tricks**
	C. Ridge, London/UK
13:22	**Imaging-guided bronchoscopic biopsy: New indications and strategies**
	A. Mehta, Moreland Hills/US
13:44	**Percutaneous ablation of lung malignancies**
	J. Klein, Williston/US
14:06	**Pleural interventions**
	F. Gleeson, Oxford/UK
14:28	**Closed chest limited anatomical pulmonary resections: The role of new imaging modalities**
	D. Gossot, Paris/FR
14:50	**Discussion**
15:15-15:50	**Honorary Membership & Awardings**
	Moderators: S. Desai, London/UK; M-P. Revel, Paris/FR
15:15	**Honorary Lecture "Why I am happy to be a chest radiologist and what I have to do to keep it that way in 10 years"**
	C. Schaefer-Prokop, Amersfoort/NL
15:35	**Awardings**
15:50-16:00	Break
16:00-16:30	**General Assembly**

Time	Room 2 - Petit Amphitheatre
08:30-09:45	**Scientific Session 5: ILD**
	Moderators: A. Devaraj, London/UK; G. Meirelles, Sao Paulo/BR
08:30	**Keynote lecture**
	G. Meirelles, Sao Paulo/BR
08:35	**The Sum of Usual Interstitial Pneumonia (UIP) and Emphysema is Equal to Combined Pulmonary Fibrosis and Emphysema (CPFE): A Study of HRCT**
	Z.N. Tekin, Istanbul/TR
08:45	**Increased in- and expiratory CT Density Changes reveal possible Abnormalities in Idiopathic Pulmonary Fibrosis, Hypersensitivity Pneumonitis and Systemic Sclerosis.**
	A. Poellinger, Bern/CH
08:55	**Characterization of interstitial lung disease associated with anti-ribonucleoprotein (RNP) antibodies**
	P.A. Grenier, Paris/FR
09:05	**Characteristics of lung disease patterns on CT scan in patients with idiopathic inflammatory myopathies: is CT pattern related to myositis specific autoantibodies ?**
	A. Laporte, Neuilly sur seine/FR
09:15	**Diagnosis of idiopathic pulmonary fibrosis: comparison of the new and old classification**
	A. Ottavianelli, Rome/IT
09:25	**Bronchiolocentric interstitial pneumonia: tomographic patterns of bronchopulmonary abnormalities.**
	M.K.S. Santos, Ribeirao Preto/BR
09:35	**The impact of chest CT quality in the diagnosis of Usual Interstitial Pneumonia (UIP) pattern**
	A. Farchione, Rome/IT
13:30-15:05	**ESTI meets KSTR - Oral and poster presentations**
	Moderators: N. Howarth,Chêne-Bougeries/CH; Y-H. Kim, Gwangju/KR
13:30	**Solitary Pulmonary Nodule: Characterization with Combined Wash-in and Washout Features at 40 keV Monochromatic Spectral Dynamic CT**
	Y. Lee, Busan/KR
13:35	**A Survey of Institutions with Sixteen Detector-Rows or More CT Scanners for the Introduction of National Lung Cancer Screening Program Using Low-Dose Chest CT in S. Korea**
	S.H. Paik, Deajeon/KR
13:40	**Deep Learning for Classification of A Small (≤2cm) Pulmonary Nodule on CT Imaging: A Preliminary Study**
	K.J. Chae, Jeonju/KR
13:45	**Significance of baseline CT assessment for predicting the pulmonary fibrosis during the course of chemotherapy-induced pneumonitis**
	J-Y. Han, Busan/KR
13:50	**Pleural invasion classification of primary lung cancer by 3T MRI with contrast enhanced radial T1-wigheted 3D spoiled gradient echo sequence comparison with CT analysis**
	W. Kwon, Wonju/KR
13:55	**Long-term outcome after surgical treatment for part-solid lung cancer less than 3 cm: single institutional experience**
	T.H. Kim, Seoul/KR
14:00	**Variation of high lying azygos arch and its embryologic consideration**
	J.Y. Yoo, Cheongju-si/KR
14:05	**CT-derived Area and Density of Pectoralis Muscle Associated Disease Severity and Longitudinal Change in Chronic Obstructive Pulmonary Disease**
	S.H. Bak, Chuncheon/KR
14:10	**Is it meaningful to evaluate the thyroid attenuation on unenhanced chest CT?**
	J.J. Woo, Seoul/KR
14:15	**Early detection of chronic complicated bronchopleural fistula after pulmonary resection in longitudinal CT follow up**
	J.W. Baek, Busan/KR
14:20	**The use of low dose chest CT in healthcare workers with latent pulmonary tuberculosis**
	K. Jin, Seoul/KR
14:25	**Pericardial Diverticulum of the Right Lateral Portion of the Superior Aortic Recess; A Diagnostic Pitfall**
	Y.W. Choi, Seoul/KR
14:30	**Therapeutic and monitoring devices in the thorax: Radiographic evaluation of findings and complications**
	J.E. Lee, Gwangju/KR
14:35	**Pattern approach of mosaic attenuation: Radiological anatomy and strategy for differentiation.**
	K.-N. Lee, Busan/KR
14:40	**Comorbidities of Lung Emphysema**
	C.H. Park, Cheonan/KR
14:45	**Comparison of digital tomosynthesis and chest radiography for prediction of calcification in pulmonary nodule: A phantom study**
	S. You, Suwon/KR
14:50	**Radiographic findings of intrapulmonary hemorrhage as a complication of clopidogrel use in a patient with acute coronary syndrome**
	E-S. Lee, Seoul/KR
14:55	**Phantom experimental study on radiation dose to doctors using an ambu-bag during head CT scan: Comparison study with non-Pb apron**
	D. Sung, Seoul/KR
15:00	**Diverse clinical and radiologic manifestations of tuberculosis in unusual human bod parts from A TO Z: Nobody shall sneak out of the white death**
	K.Y. Lee, Ansan/KR