

ESTI ESCR 2018

JOINT MEETING OF ESTI AND ESCR

MAY 24-26, 2018
GENEVA, SWITZERLAND

FINAL PROGRAMME



ESTI

European
Society of
Thoracic
Imaging



EUROPEAN
SOCIETY OF
**CARDIOVASCULAR
RADIOLOGY**

ESTI ESCR 2018 | MAY 24-26 | GENEVA, SWITZERLAND

WELCOME FROM THE 2018 PRESIDENTS

Dear Colleagues and Friends,

On behalf of the European Societies of Cardiovascular Radiology and Thoracic Imaging, it is our great pleasure to welcome you in Switzerland for the very first joint meeting in the fields Cardiovascular and Thoracic Imaging.

The conference centre will provide optimum convenience and comfort for our meeting. The centre is ideally located just off the Place des Nations, home to the European headquarters of the United Nations, and within easy reach of Geneva Airport and Geneva main train station. The World Health Organization (WHO) and the International Committee of the Red Cross (ICRC) are within a few minutes walk.

The scientific programme focuses on all aspects of Cardiovascular and Thoracic Imaging, with an emphasis on lively inter-disciplinary discussion. We will review current best clinical practice and explore future developments in our field. We will offer sessions with the WHO on radiation protection and justification of medical imaging and a large number of joint sessions of the two Societies, with a blend of standard formats and subjects and novel approaches, which we hope you will find stimulating and enjoyable. The programme encompasses state-of-the-art scientific presentations; lectures on molecular imaging, CT, MRI, interventional radiology, leadership and management, medico-legal issues, teleradiology and Big Data; inputs from cardiologists and pulmonologists on how imaging helps plan and monitor patient treatment and follow-up.

Geneva is a truly international city. In Geneva, you will be able to enjoy the pleasures of urban life, with excellent museums, varied cultural events and world-class gastronomy and the quieter aspects of our delightful countryside, beautiful lake or even a hike on a nearby mountain.

We hope that you will appreciate the more informal features of the meeting, where there will be many opportunities for discussion outside the lecture sessions, to meet colleagues from many different horizons and backgrounds, to exchange, compare and learn.

Welcome to Geneva!



Nigel Howarth
ESTI 2018 Congress President



Jens Bremerich
ESCR 2018 Congress President

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Stefan Diederich, Dusseldorf/DE	Konstantin Nikolaou, Tuebingen/DE	Mark O. Wielpütz, Heidelberg/DE
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Golmehr Fassa, Geneva/CH	Matthijs Oudkerk, Groningen/NL	
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Katarzyna Gruszczynska, Katowice/PL	Mathias Prokop, Nijmegen/NL	
Matthias Gutberlet, Leipzig/DE	Helmut Prosch, Vienna/AT	
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Stephen Philip Harden, Southampton/UK	Osman Ratib, Geneva/CH	
Ieneke Hartmann, Zwijndrecht/NL	Michael Ralph Rees, Gwynedd/UK	
Christian Herold, Vienna/AT	Martine Remy-Jardin, Lille/FR	
Juerg Hodler, Zurich/CH	Marie-Pierre Revel, Paris/FR	
	Carole Ridge, Dublin/IE	

PROGRAMME OVERVIEW THURSDAY, MAY 24

	ROOM 1 Joint Sessions	ROOM 2 ESTI Programme	ROOM 3+4 ESCR Programme	ROOM 5 ESTI Workshops	ROOM 6 ESCR Workshops				
08:30	ESCR: Educational Session 1 - Valvular heart disease (Level 2)	ESTI: Scientific Session 1 - ILD and techniques	ESCR: Proffered Paper Session 1 - Imaging atrial chambers, valves and great vessels	Hands-on HRCT training (BIR)	Mapping 1 (acute injury model)				
08:45									
09:00									
09:15									
09:30									
09:45	Coffee Break								
10:00	Joint Session: Opening - ESTI and ESCR meet WHO: Justification, issues and application of screening								
10:15									
10:30									
10:45									
11:00									
11:15	Break								
11:30	Industry sponsored lunch symposium „Chest imaging with state of the art CT technology“								
11:45									
12:00									
12:15									
12:30									
12:45	Break								
13:00	Joint Session: Pulmonary Hypertension	ESTI: Airways and infection	ESCR: Proffered Paper Session 2 - Myocardial Tissue Characterisation with MR and CT	Nodule management	TAVI				
13:15									
13:30									
13:45									
14:00									
14:15	Break								
14:30	Joint Session: Multimodality imaging in cardiopulmonary inflammation	ESTI: Lung cancer staging and treatment	ESCR: Educational Session 2 - Imaging in Electrophysiology, Pacers, Defibrillators (Level 2)	Chest X-ray interpretation: A survival guide	Mapping 2 (chronic injury model)				
14:45									
15:00									
15:15									
15:30									
15:45	Coffee Break								
16:00	Joint Session: Management issues	ESTI: Acute thoracic imaging	ESCR: Educational Session 3 - ESCR meets EACVI: Imaging Coronary Artery Disease (Level 2)	Chest X-ray self-assessment: Improve your performance	MR Perfusion				
16:15									
16:30									
16:45									
17:00									
17:15	Break								
17:30	Joint Session: ESTI/ESCR joint Film Panel Image Interpretation - Switzerland vs. Europe	ESTI: Scientific Session 2 - Pulmonary Vascular	ESCR: Proffered Paper Session 3 - Imaging CAD and Myocardial Infarction	Special Focus Session - Korean thoracic imaging	3D Printing				
17:45									
18:00									
18:15									
18:30									

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PROGRAMME OVERVIEW FRIDAY, MAY 25

PROGRAMME OVERVIEW

ROOM 1 Joint Sessions		ROOM 2 ESTI Programme	ROOM 3+4 ESCR Programme	ROOM 5 ESTI Workshops	ROOM 6 ESCR Workshops
08:00		ESTI General Assembly	ESCR General Assembly		
08:15					
08:30	Joint Session: Imaging Acute Chest Pain	ESTI: Scientific Session 3 - Lung cancer and pleural disease	ESCR: Educational Session 4 - Parametric tissue mapping: T1; T2; T2* and ECV (Level 2)	Hands-on HRCT training (BIR)	Mapping 1 (acute injury model)
08:45					
09:00					
09:15					
09:30					
09:45	Coffee Break				
10:00	Joint Session: The World Wide Web: Impact on cardiopulmonary imaging	ESTI: COPD	ESCR: Educational Session 5 - ESCR meets NASCI: CT in CAD (Level 2)	Nodule management	TAVI
10:15					
10:30					
10:45					
11:00					
11:15	Break				
11:30		Industry sponsored satellite lunch symposium „Spectral detector CT in cardio-thoracic imaging“	Industry sponsored satellite lunch symposium „CT Imaging of the Heart and Its Close Neighbor“		
11:45					
12:00					
12:15					
12:30					
12:45	Break				
13:00	Joint Session: Cardiovascular and pulmonary hybrid imaging	ESTI: ILD1	ESCR: Proffered Paper Session 4 - Cardiac function with novel CMR techniques		
13:15					
13:30					
13:45					
14:00					
14:15	Break				
14:30	Joint Session: Lung-Heart Transplantation	ESTI: Lung cancer screening and early diagnosis/nodules	ESCR: Educational Session 6 - TAVI planning and complication management (Level 2)	Chest X-ray interpretation: A survival guide	Mapping 2 (chronic injury model)
14:45					
15:00					
15:15					
15:30					
15:45	Coffee Break				
16:00	Joint Session: Non communicable diseases	ESTI: Intervention	Industry sponsored afternoon symposium „The Future of CT Imaging“	Chest X-ray self-assessment: Improve your performance	MR Perfusion
16:15					
16:30					
16:45					
17:00					
17:15	Break				
17:30	Joint Session: ESCR/ESTI joint Cardiopulmonary Quiz	ESTI: Scientific Session 4 - Nodules and screening	ESCR: Educational Session 7 - State of the art: Imaging central & peripheral vascular disease (Level 2)	Special Focus Session - Korean thoracic imaging	3D Printing
17:45					
18:00					
18:15					
18:30					

PROGRAMME OVERVIEW SATURDAY, MAY 26

	ROOM 1 Joint Sessions	ROOM 2 ESTI Programme	ROOM 3+4 ESCR Programme	ROOM 5 ESTI Workshops	ROOM 6 ESCR Workshops
08:30	Joint Session: Update on large trials in cardiopulmonary diseases	ESTI: Scientific Session 5 - Airways and Infection	ESCR: Proffered Paper Session 5 - Myocardial Perfusion		Cardiac CT: A primer for chest radiologists
08:45					
09:00					
09:15					
09:30					
09:45	Coffee Break				
10:00	Joint Session: Systemic disease with cardiopulmonary involvement	ESTI: Mixed assortment	ESCR: Educational Session 8 - ESCR meets Belgium: Pericardium, masses, and Belgian waffles (Level 2)		
10:15					
10:30					
10:45					
11:00					
11:15	Break				
11:30		Industry sponsored satellite lunch symposium „Latest innovations for thoracic and cardiovascular CT imaging“			
11:45					
12:00					
12:15					
12:30					
12:45	Break				
13:00	Joint Session: CT tissue characterisation and spectral imaging in cardiopulmonary diseases	ESTI: Scientific Session 6 - Lung cancer II	ESCR: Proffered Paper Session 6 - MR and CT technical advances		
13:15					
13:30					
13:45					
14:00					
14:15	Coffee Break				
14:30	Joint Session: Drug induced cardiopulmonary toxicity	ESTI: Rad Path correlation	ESCR: Educational Session 9 - ESCR meets ASCI: Non-ischemic Cardiomyopathy (Level 2)		
14:45					
15:00					
15:15					
15:30					
15:45	Break				
16:00	Joint Session: Closing & Awards - Future directions in cardiopulmonary imaging				
16:15					
16:30					
16:45					
17:00					

CONGRESS PROGRAMME THURSDAY, MAY 24

08:30-09:45 **ESCR: Educational Session 1 - Valvular heart disease (Level 2)** R1

Moderators: R. Budde, Rotterdam/NL; R. Salgado, Edegem/BE

08:30 **The role of imaging in current guidelines**
 M. Rees, Gwynedd/UK

08:45 **When and how to use CT**
 K. Nikolaou, Tuebingen/DE

09:00 **When and how to use MRI**
 M. Hrabak Paar, Zagreb/HR

09:15 **Pitfalls in MRI flow measurement**
 J. Lotz, Goettingen/DE

09:30 **Discussion**

08:30-09:45 **ESTI: Scientific Session 1 - ILD and techniques** R2

Moderators: R. Lazor, Lausanne/CH; N. Sverzellati, Parma/IT

08:30 **Moderator introduction**
 R. Lazor, Lausanne/CH; N. Sverzellati, Parma/IT

08:32 **Contrast agent accumulation patterns in fibrosing lung disease using 5D MRI (RGW 2016)**
 M.T.A. Wetscherek, Cambridge/UK

08:44 **Increasing the conspicuity of breast cancer by using dual-energy spectral computed tomography: Initial experience**
 Y. Metin, Rize/TR

08:56 **Evaluation, comparison and optimization of the effects of manual versus software automated protocols on radiation dose and image quality in paediatric chest computed tomography**
 G. Argentieri, Lugano/IT

09:08 **Clinical performance and confidence of ultra-low dose computed tomography compared to chest X-ray investigations for diagnosing pulmonary pathology**
 L.J.M. Kroft, Leiden/NL

09:20 **A Deep Learning Algorithm for Classifying Fibrotic Lung Disease on High Resolution Computed Tomography**
 S. Walsh, London/UK

09:32 **Perceived quality measurement of low-dose lung CT after retrospective neural network image enhancement**
 Y. Nagaraj, Groningen/NL

09:44 **Discussion**

08:30-09:45 **ESCR: Proffered Paper Session 1 - Imaging atrial chambers, valves and great vessels** R3+4

Moderators: M. Rees, Gwynedd/UK; A.W. Sauter, Basel/CH

08:30 **Duration of Vortices in 4D Flow MRI Compared to Pulmonary Artery Mean Pressure**
 L. Crowe, Geneva/CH

08:40 **Vascular thoracic outlet syndrome: A focus on Time-Resolved MR Angiography**
 S. Wassef, Iowa City/US

08:50 **Evaluation of the mitral valve anatomy, geometry and mobility in multiple cardiac phases by Multi-Slice Computed Tomography**
 L. Musayeva, Baku/AZ

09:00 **4D flow MRI evaluation of a new technique of valve-sparing aortic root replacement (VSARR)**
 V. Silvestri, Lille/FR

09:10 **Intraobserver and interobserver variability in 3D printing and 3D model measurement of the aortic annulus**
 R. Faletti, Turin/IT

09:20 **Left atrial appendage closure guided by 3D printed patient-specific models**
 G. Muscogiuri, Milan/IT

09:30 **Low contrast CT angiography prior to TAVI procedure: Feasibility, renal safety and diagnostic accuracy for coronary tree**
 A. Annoni, Milan/IT

09:40 **Discussion**

08:30-09:45 **Hands-on HRCT training (BIR)** R5

S. Desai, London/UK; S. Padley, London/UK

08:30-09:45	♥ Mapping 1 (acute injury model)	R6
	<i>A. Esposito, Milan/IT; C. Lücke, Leipzig/DE</i>	
09:45-10:00	Coffee Break	
10:00-11:15	Joint Session: Opening - ESTI and ESCR meet WHO: Justification, issues and application of screening	R1
	<i>Moderators: J. Bremerich, Basel/CH; N. Howarth, Chêne-Bougeries/CH; M. Prokop, Nijmegen/NL</i>	
10:00	Justification of CT for individual health assessment of asymptomatic persons <i>M. del Rosario Perez (WHO), Geneva/CH</i>	
10:15	Screening in pulmonary diseases: Dose issues <i>D. Tack, Braine-L'Alleud/BE</i>	
10:30	Screening in cardiovascular diseases: Help or harm <i>M. Oudkerk, Groningen/NL</i>	
10:45	Preventing Overdiagnosis: Winding back the harms of too much medicine <i>J. Brodersen, Copenhagen/DK</i>	
11:00	Discussion	
11:15-11:30	Break	
11:30-12:30	Industry sponsored lunch symposium „Chest imaging with state of the art CT technology“	R1
	<i>Moderator: M. Prokop, Radboud University Medical Center, Nijmegen/NL</i>	
	Ultra High Resolution CT for lung imaging - the clinical relevancies <i>M. Prokop, Radboud University Medical Center, Nijmegen/NL</i>	
	Imaging Chest pain with the GENESIS <i>R. Bull, Royal Bournemouth Hospital, Bournemouth/UK</i>	
12:30-13:00	Break	
13:00-14:15	Joint Session: Pulmonary Hypertension	R1
	<i>Moderators: F. Lador, Geneva/CH; M-P. Revel, Paris/FR</i>	
13:00	Imaging in Pulmonary Hypertension - Beyond diagnosis <i>N. Screatton, Cambridge/UK</i>	
13:15	Early recognition of CTEPH - The central role of the radiologist <i>G. Robinson, Bath/UK</i>	
13:30	And the right ventricle? Indicators of stress and failure <i>K-F. Kreitner, Mainz/DE</i>	
13:45	Noninvasive measurement of pulmonary artery pressure: Fact or fiction <i>J. Vogel-Claussen, Hannover/DE</i>	
14:00	Discussion	
13:00-14:15	ESTI: Airways and infection	R2
	<i>Moderators: G. Ferretti, Grenoble/FR; J-P. Janssens, Geneva/CH</i>	
13:00	Imaging the lungs in the non HIV immuno-compromised patient <i>T. Franquet, Barcelona/ES</i>	
13:20	EDAC and Tracheobronchomalacia <i>J. Verschakelen, Leuven/BE</i>	
13:40	Non tuberculous mycobacterium infection: Role of imaging <i>A. Christe, Bern/CH</i>	
14:00	Discussion	

13:00-14:15	♥ ESCR: Proffered Paper Session 2 - Myocardial Tissue Characterisation with MR and CT	R3+4
	<i>Moderators: M. Francone, Rome/IT; A. Kallifatidis, Thessaloniki/GR</i>	
13:00	Myocardial T1-mapping: The effects of coffee intake on the response to regadenoson as compared to adenosine during Cardiac Magnetic Resonance Perfusion Imaging <i>R. van Dijk, Groningen/NL</i>	
13:12	Late gadolinium enhancement patterns in patients with hypereosinophilia: Does CMR help identifying the etiology? <i>J. Pagniez, Lille/FR</i>	
13:24	Detection of Occult Myocardial Scars with Cardiovascular Magnetic Resonance imaging in Patients with asymptomatic type 2 Diabetes Mellitus: The ACCREDIT study <i>S.M. Ko, Seoul/KR</i>	
13:36	[11C]mHED PET-MRI to evaluate cardiac re-innervation in long term heart transplant patients: Preliminary results <i>A. Wielandner, Vienna/AT</i>	
13:48	Multiparametric Cardiac Magnetic Resonance in short-term monitoring of Patients with acute myocarditis: Preliminary results <i>G. Benedetti, Milan/IT</i>	
14:00	Interobserver Agreement in Mapping Parameters compared to Lake Louise Criteria for the Assessment of Myocarditis by Inexperienced Observers <i>M.T.A. Wetscherek, Cambridge/UK</i>	
14:12	Discussion	
13:00-14:15	■ Nodule management	R5
	<i>A. Devaraj, London/UK; A. Nair, London/UK</i>	
13:00-14:15	♥ TAVI	R6
	<i>R. Budde, Rotterdam/NL; R. Salgado, Edegem/BE</i>	
14:15-14:30	Break	
14:30-15:45	Joint Session: Multimodality imaging in cardiopulmonary inflammation	R1
	<i>Moderators: G. Ferretti, Grenoble/FR; M. Gutberlet, Leipzig/DE</i>	
14:30	Perimyocarditis <i>L. Natale, Rome/IT</i>	
14:50	Organising Pneumonia <i>M. Occhipinti, Florence/IT</i>	
15:10	Vasculitis and Aortitis <i>F. De Cobelli, Milan/IT</i>	
15:30	Discussion	
14:30-15:45	■ ESTI: Lung cancer staging and treatment	R2
	<i>Moderators: A.P. Parkar, Bergen/NO; J.I. Vlahos, London/UK</i>	
14:30	TNM 8 Update <i>A.R. Larici, Rome/IT</i>	
14:50	Imaging after radiotherapy <i>B. Ghaye, Brussels/BE</i>	
15:10	Imaging after precision chemotherapy in the modern era of cancer therapy <i>M-P. Revel, Paris/FR</i>	
15:30	Discussion	

14:30-15:45	♥ ESCR: Educational Session 2 - Imaging in Electrophysiology, Pacers, Defibrillators (Level 2)	R3+4
	<i>Moderators: A. Esposito, Milan/IT; V. Sinitsyn, Moscow/RU</i>	
14:30	When is imaging recommended in electrophysiology: Review of guidelines <i>D. Shah, Geneva/CH</i>	
14:50	Imaging to identify arrhythmogenic foci, plan therapy and predict outcome <i>M. Grothoff, Leipzig/DE</i>	
15:10	MRI with pacers and defibrillators: In- and off-label use <i>G. Pontone, Milan/IT</i>	
15:30	Discussion	
14:30-15:45	■ Chest X-ray interpretation: A survival guide	R5
	<i>D. Tack, Braine-L'Alleud/BE</i>	
14:30-15:45	♥ Mapping 2 (chronic injury model)	R6
	<i>N. Galea, Rome/IT; A. Kallifatidis, Thessaloniki/GR</i>	
15:45-16:00	Coffee Break	
16:00-17:15	Joint Session: Management issues	R1
	<i>Moderators: J. Bremerich, Basel/CH; N. Howarth, Chêne-Bougeries/CH; H-U. Kauczor, Heidelberg/DE</i>	
16:00	SWOT Analysis of cardiopulmonary radiology <i>J. Wildberger, Maastricht/NL</i>	
16:20	Challenges of Artificial Intelligence and Teleradiology <i>S. Wildermuth, St. Gallen/CH</i>	
16:40	Rethinking commoditisation: How to reward value-based imaging <i>J. Hodler, Zurich/CH</i>	
17:00	Discussion	
16:00-17:15	■ ESTI: Acute thoracic imaging	R2
	<i>Moderators: G. Aviram, Tel-Aviv/IL; M-P. Revel, Paris/FR</i>	
16:00	Imaging in ECMO <i>A. Nair, London/UK</i>	
16:20	Imaging of acute large airway trauma <i>J.I. Vlahos, London/UK</i>	
16:40	Acute aortic imaging <i>A. Oikonomou, Toronto/CA</i>	
17:00	Discussion	
16:00-17:15	♥ ESCR: Educational Session 3 - ESCR meets EACVI: Imaging Coronary Artery Disease (Level 2)	R3+4
	<i>Moderators: J. Bremerich, Basel/CH; C. Bucciarelli-Ducci, Bristol/UK</i>	
16:00	Coronary Morphology with CT: Evidence, clinical application, shortcomings <i>M. Dewey, Berlin/DE</i>	
16:20	Perfusion with MR, PET/SPECT or CT: Evidence base, clinical application, quantification <i>C. Bucciarelli-Ducci, Bristol/UK</i>	
16:40	MRI parametric mapping for perfusion and tissue characterisation: Clinical tool or work in progress <i>S. Petersen, London/UK</i>	
17:00	Discussion	

16:00-17:15	 Chest X-ray self-assessment: Improve your performance	R5
	<i>F. Gleeson, Oxford/UK; J-A. Phillips, Oxford/UK</i>	
16:00-17:15	 MR Perfusion	R6
	<i>E. Pershina, Moscow/RU; V. Sinitsyn, Moscow/RU</i>	
17:15-17:30	Break	
17:30-18:30	Joint Session: ESTI/ESCR joint Film Panel Image Interpretation - Switzerland vs. Europe	R1
	<i>Moderators: A. Bankier, Boston/US; C. Peebles, Southampton/UK</i>	
	Swiss Team: <i>G. Fassa, Geneva/CH; T. Frauenfelder, Zurich/CH; A-L. Hachulla, Geneva/CH; S. Qanadli, Lausanne/CH</i>	
	European Team: <i>P-Y. Brillet, Bobigny/FR; A.P. Parkar, Bergen/NO; G. Pontone, Milan/IT; V. Sinitsyn, Moscow/RU</i>	
17:30-18:30	 ESTI: Scientific Session 2 - Pulmonary Vascular	R2
	<i>Moderators: B. Ghaye, Brussels/BE; M. Remy-Jardin, Lille/FR</i>	
17:30	Moderator introduction <i>B. Ghaye, Brussels/BE; M. Remy-Jardin, Lille/FR</i>	
17:32	Comparison of image quality in high pitch free breathing versus standard pitch breath-holding CTPA <i>K. Ombati, Nairobi/KE</i>	
17:41	Incidence of pulmonary embolism and right heart dysfunction and impact on survival in patients with malignant melanoma <i>S. Rennebaum, Mannheim/DE</i>	
17:50	Differences in thrombotic load between symptomatic and unsuspected pulmonary embolism <i>J. Vassallo, Edinburgh/UK</i>	
17:59	A comparative study of CT findings and clinical conditions that predispose patients to lung infarction following PE <i>K.K. Sifer, Ljubljana/SI</i>	
18:08	Bronchial and vascular alterations in patients with severe pulmonary hypertension: Role of quantitative computed tomography <i>I. Benlala, Bordeaux/FR</i>	
18:17	Reasons for inadequate contrast in CT pulmonary angiography studies: Single-centre study in 225 consecutive patients <i>S. Sudarski, Mannheim/DE</i>	
18:26	Discussion	
17:30-18:30	 ESCR: Proffered Paper Session 3 - Imaging CAD and myocardial Infarction	R3+4
	<i>Moderators: C. Loewe, Vienna/AT; K. Nikolaou, Tuebingen/DE</i>	
17:30	Correlation between haptoglobin phenotypes and myocardial reperfusion injury in consecutive ST-elevation myocardial infarction as detected by cardiac magnetic resonance <i>G. Muscogiuri, Milan/IT</i>	
17:38	CMR diagnosis of right ventricular myocarditis (RVM) vs arrhythmogenic right ventricle dysplasia: Overlapping phenotypes <i>G. De Rubeis, Rome/IT</i>	
17:46	Comparison of the different imaging time points in delayed phase cardiac CT for myocardial scar assessment and ECV fraction estimation in patients with old myocardial infarction <i>K. Kitagawa, Tsu/JP</i>	
17:54	CT-Coronary Angiography in asymptomatic male patients with high atherosclerosis risk: Is it justified? <i>E. Savva, Heraklion/GR</i>	
18:02	Computational Quantitative Flow Ratio to assess hemodynamic relevance of coronary artery disease <i>D. Ties, Groningen/NL</i>	
18:10	Accuracy of coronary computed tomographic angiography to detect obstructive coronary artery disease by using stress versus rest dataset in patients referred to stress computed tomo <i>G. Muscogiuri, Milan/IT</i>	
18:18	Determining the level of agreement for atherosclerotic cardiovascular disease risk stratification between coronary artery calcium score and traditional cardiovascular risk models <i>I. Kuria, Nairobi/KE</i>	
18:26	Discussion	

17:30-18:30	ESTI: Special Focus Session - Korean thoracic imaging	R5
	<i>Moderators: C. Schaefer-Prokop, Amersfoort/NL; J. Verschakelen, Leuven/BE</i>	
17:30	Moderator introduction <i>C. Schaefer-Prokop, Amersfoort/NL; J. Verschakelen, Leuven/BE</i>	
17:32	Is it reliable to evaluate pulmonary nodule calcification on chest radiography? Correlation with volumetric quantification by computed tomography <i>S. You, Suwon/KR</i>	
17:37	Quantification of pleural plaques by computed tomography and correlations with pulmonary function: Preliminary study <i>J.S. Kim, Goyang-si/KR</i>	
17:42	CT characteristics of lung adenocarcinomas with epidermal growth factor receptor mutation: A propensity score matching study <i>Y.J. Suh, Seoul/KR</i>	
17:47	Percutaneous transthoracic needle biopsy: Various techniques and complications <i>C.H. Park, Cheonan/KR</i>	
17:52	Lung cancer staging: Update <i>T.J. Kim, Seoul/KR</i>	
17:57	A radiologic review of acute aspiration pneumonia in the elderly <i>E-Y. Kang, Seoul/KR</i>	
18:02	Various imaging spectrum of pulmonary cryptococcosis: A pattern analysis <i>J.H. Kim, Incheon/KR</i>	
18:07	Non-tumorous disease of the mediastinum: Radiologic features <i>K.Y. Lee, Ansan/KR</i>	
18:12	Radiologic finding of pulmonary histoplasmosis: Pictorial review <i>S.J. Hong, Guri-si/KR</i>	
18:17	Hyperenhancing Mediastinal Masses: Spectrum of Causes and Imaging Features <i>Y.W. Oh, Seoul/KR</i>	
18:22	What is the cut-off value of CT attenuation for distinguishing PMF from lung cancer in pneumoconiosis patient? <i>Y. Jo, Seoul/KR</i>	
18:27	Differences in the CT findings between vulnerable plaque and culprit lesions in acute coronary syndrome <i>J.Y. Yoo, Cheongju-si/KR</i>	
17:30-18:30	3D Printing	R6
	<i>A. Cosentino, Turin/IT; R. Faletti, Turin/IT</i>	

CONGRESS PROGRAMME FRIDAY, MAY 25

08:00-08:30  **ESTI General Assembly** R2

08:00-08:30  **ESCVR General Assembly** R3+4

08:30-09:45 **Joint Session: Imaging Acute Chest Pain** R1

Moderator: C. Loewe, Vienna/AT; M-P. Revel, Paris/FR

08:30 **Workup of Acute Coronary Syndrome**

R. Salgado, Edegem/BE

08:50 **Pulmonary Embolism**

G. Aviram, Tel-Aviv/IL

09:10 **Acute aortic syndrome**

H. Alkadhi, Zurich/CH

09:30 **Discussion**

08:30-09:45  **ESTI: Scientific Session 3 - Lung cancer and pleural disease** R2

Moderators: P. Beddy, Dublin/IE; J. Biederer, Sehheim-Jugenheim/DE

08:30 **Moderator introduction**

P. Beddy, Dublin/IE; J. Biederer, Sehheim-Jugenheim/DE

08:32 **Information from Computed Tomography follow-up in Idiopathic Pulmonary Fibrosis: iPFBC Multicenter Pooled Comparison with clinical and functional metrics (RGW 2016)**

M. Silva, Parma/IT

08:41 **Course of CT features in chronic lung allograft dysfunction after double lung transplantation (RGW 2016)**

P. Agarwal, Allensbach/DE

08:50 **A computed tomography study of in-vivo growth behaviour in 60 non-screen detected lung cancers**

O. Mets, Utrecht/NL

08:59 **Discordance between radiological and clinical response in a cohort of patients treated with Nivolumab in second-line therapy**

C. Moroni, Florence/IT

09:08 **Effect of five-line signs in the prediction of staging, progression and prognosis of peripheral lung carcinoma – preliminary observation report**

A. Yu, Haikou/CN

09:17 **Accuracy, Performance Metrics and Complication Rates of CT guided thoracic biopsies: A large tertiary center 5-years' experience**

E. Barbosa Jr., Philadelphia/US

09:26 **Malignant pleural effusion: Quantitative and qualitative diagnosis with Chest CT and PET-CT**

M. Juárez-García, Barcelona/ES

09:35 **Preoperative CT guided wire localisation of lung nodules**

S-J. Choi, Leeds/UK

09:44 **Discussion**

08:30-09:45  **ESCVR: Educational Session 4 - Parametric tissue mapping: T1-; T2-; T2*- and ECV (Level 2)** R3+4

Moderators: R. Rienmüller, Graz/AT; B. Velthuis, Utrecht/NL

08:30 **Review of methodology**

N. Kachenoura, Paris/FR

08:50 **Practical application to guide therapy and predict outcome**

J. Bremerich, Basel/CH

09:10 **Are my mapping results normal or abnormal: A practical approach**

N. Kawel-Boehm, Chur/CH

09:30 **Discussion**

08:30-09:45	 Hands-on HRCT training (BIR)	R5
	<i>S. Desai, London/UK; S. Padley, London/UK</i>	
08:30-09:45	 Mapping 1 (acute injury model)	R6
	<i>A. Esposito, Milan/IT; C. Lücke, Leipzig/DE</i>	
09:45-10:00	Coffee Break	
10:00-11:15	Joint Session: The World Wide Web: Impact on cardiopulmonary imaging	R1
	<i>Moderators: K-F. Kreitner, Mainz/DE; E. van Beek, Edinburgh/UK</i>	
10:00	Remote expert opinion in Idiopathic Pulmonary Fibrosis <i>G. Sommer, Basel/CH</i>	
10:15	Image processing, analysis and sharing in the cloud <i>B. van Ginneken, Nijmegen/NL</i>	
10:30	Web-based Education <i>T. McCloud, Boston/US</i>	
10:45	Cardiac MRCT registry <i>M. Gutberlet, Leipzig/DE</i>	
11:00	Discussion	
10:00-11:15	 ESTI: COPD	R2
	<i>Moderators: I. Hartmann, Zwijndrecht/NL; M. Prokop, Amersfoort/NL</i>	
10:00	Imaging work up in Lung Volume Reduction surgery <i>M. Silva, Parma/IT</i>	
10:20	Quantitative imaging in COPD <i>P. Grenier, Paris/FR</i>	
10:40	Imaging of complications in COPD <i>N. Sverzellati, Parma/IT</i>	
11:00	Discussion	
10:00-11:15	 ESCR: Educational Session 5 - ESCR meets NASCI: CT in CAD (Level 2)	R3+4
	<i>Moderators: L. Natale, Rome/IT; J. Schoepf, Charleston/US</i>	
10:00	The role of CT in current guidelines? <i>C. White, Baltimore/US</i>	
10:15	CT in acute chest pain patients: What's the evidence <i>C. White, Baltimore/US</i>	
10:30	How to provide high quality 24/7 service: Structured and standardised reporting <i>J. Schoepf, Charleston/US</i>	
10:45	CT for ischemia detection <i>R. Vliegenthart, Groningen/NL</i>	
11:00	Discussion	
10:00-11:15	 Nodule management	R5
	<i>A. Devaraj, London/UK; A. Nair, London/UK</i>	
10:00-11:15	 TAVI	R6
	<i>R. Budde, Rotterdam/NL; R. Salgado, Edegem/BE</i>	
11:15-11:30	Break	

11:30-12:30	Industry sponsored satellite lunch symposium „Spectral detector CT in cardio-thoracic imaging“ Spectral CT technology, the Dual-Layer detector <i>A. Vlassenbroek, Brussels/BE</i> Added value of dual-layer detector spectral CT in cardio-thoracic disorders in emergency <i>E. Coche, Brussels/BE</i>	R2
11:30-12:30	Industry sponsored satellite lunch symposium „CT Imaging of the Heart and Its Close Neighbor“ <i>Moderator: K. Nikolaou, Tuebingen/DE</i> TAVI & Friends: CT Imaging around the Heart <i>H. Haubenreisser, Mannheim/DE</i> Imaging myocardial ischemia with CTA: Challenges and solutions beyond coronary arteries <i>M. Francone, Rome/IT</i>	R3+4
12:30-13:00	Break	
13:00-14:15	Joint Session: Cardiovascular and pulmonary hybrid imaging <i>Moderators: O. Ratib, Geneva/CH; J.P. Vallée, Geneva/CH</i>	R1
13:00	Cardiac PET/CT in CAD, Sarcoidosis, Inflammation <i>F. Caobelli, Basel/CH</i>	
13:20	Molecular Imaging of vascular inflammation and plaque <i>O. Ratib, Geneva/CH</i>	
13:40	A combined morphological and functional imaging of pulmonary hypertension <i>A-L. Hachulla, Geneva/CH</i>	
14:00	Discussion	
13:00-14:15	ESTI: ILD 1 <i>Moderators: C. Beigelman-Aubry, Lausanne/CH; N. Sverzellati, Parma/IT</i>	R2
13:00	Update in hypersensitivity pneumonitis <i>A. Devaraj, London/UK</i>	
13:20	CPFE - Two diagnoses or one? <i>S. Desai, London/UK</i>	
13:40	Update in IPF imaging <i>S. Walsh, London/UK</i>	
14:00	Discussion	
13:00-14:15	ESCR: Proffered Paper Session 4 - Cardiac function with novel CMR techniques <i>Moderators: K-F. Kreitner, Mainz/DE; E. Pershina, Moscow/RU</i>	R3+4
13:00	Left atrial functional impairment in patients with cryptogenic stroke as quantified by cardiac magnetic resonance <i>W. Staab, Goettingen/DE</i>	
13:10	Can Cardiac Magnetic Resonance Feature Tracking Predict Clinical Cardiovascular Events in Asymptomatic Aortic Stenosis Patients with Normal Ejection Fraction? <i>M.Y. Kim, Seoul/KR</i>	
13:20	Early detection of diabetic cardiomyopathy by using MRI-based multidirectional strain analysis - Differences in Subjects with Prediabetes, Diabetes and Healthy Controls <i>T. Zitzelsberger, Tuebingen/DE</i>	
13:30	MR-compatible Echocardiography and Predictive Slice Tracking For Feasibility of Ultrasound-driven Cardiovascular MRI <i>L. Crowe, Geneva/CH</i>	
13:40	Association of Lung Volume and Subclinical Cardiac Impairment using Whole-body MR Imaging: A Population-based Cohort Study <i>R. von Krüchten, Heidelberg/DE</i>	
13:50	Biventricular intramural motion adaption correlates with electromechanical remodeling in repaired tetralogy of Fallot using tissue phase-mapping cardiac MR <i>M-T. Wu, Kaohsiung/TW</i>	
14:00	Assessment of left-ventricular-wall motion disorders after myocardial infarction using Compressed Sensing real-time cine imaging <i>F. Pontana, Lille/FR</i>	
14:10	Discussion	

14:15-14:30	Break	
14:30-15:45	Joint Session: Lung-Heart Transplantation	R1
	<i>Moderators: M. Gutberlet, Leipzig/DE; C. Herold, Vienna/AT</i>	
14:30	Combined cardiothoracic CT in pre lung transplant work up <i>S. Padley, London/UK</i>	
14:50	Typical pulmonary complications and indicators of rejection <i>P. Gasche-Soccal, Geneva/CH</i>	
15:10	Early detection of cardiac transplant rejection with multiparametric MRI <i>M. Gutberlet, Leipzig/DE</i>	
15:30	Discussion	
14:30-15:45	ESTI: Lung cancer screening and early diagnosis/nodules	R2
	<i>Moderators: S. Diederich, Dusseldorf/DE; J.S. Park, Bucheon/KR</i>	
14:30	Nodule management guidelines update <i>A. Bankier, Boston/US</i>	
14:50	Screening in Europe - What are we all doing? <i>S. Diederich, Dusseldorf/DE</i>	
15:10	QA in lung cancer screening - Lessons from breast screening? <i>M. Michell, London/UK</i>	
15:30	Discussion	
14:30-15:45	ESCR: Educational Session 6 - TAVI planning and complication management (Level 2)	R3+4
	<i>Moderators: Y.H. Choe, Seoul/KR; M. Francone, Rome/IT</i>	
14:30	Imaging requirements and review of current guidelines <i>R. Budde, Utrecht/NL</i>	
14:50	Detailed workflow <i>R. Salgado, Edegem/BE</i>	
15:10	Imaging and management of typical complications <i>P. Monney, Lausanne/CH</i>	
15:30	Discussion	
14:30-15:45	Chest X-ray interpretation: A survival guide	R5
	<i>H. Prosch, Vienna/AT</i>	
14:30-15:45	Mapping 2 (chronic injury model)	R6
	<i>N. Galea, Rome/IT; A. Kallifatidis, Thessaloniki/GR</i>	
15:45-16:00	Coffee Break	
16:00-17:15	Joint Session: Non communicable diseases	R1
	<i>Moderators: M. del Rosario Perez (WHO), Geneva/CH; M. Gutberlet, Leipzig/DE; O. Ratib, Geneva/CH</i>	
16:00	Disease prevention in the elderly: One-stop-shop screening of lung cancer, cardiovascular disease and COPD by ultra-low dose CT <i>M. Oudkerk, Groningen/NL</i>	
16:15	Occupational lung disease <i>J. Roos, Lucerne/CH</i>	
16:30	The tobacco control treaty and the tobacco industry <i>C. Audera-Lopez (Secretariat WHO FCTC), Geneva/CH</i>	
16:45	Medical imaging in NCD management: WHO views <i>A. Velazquez Berumen (WHO), Geneva/CH</i>	
17:00	Discussion	

16:00-17:15	ESTI: Intervention	R2
	Moderators: H. Prosch, Vienna/AT; N. Screaton, Cambridge/UK	
16:00	Ablation in lung cancer: Are there any contraindications P. Dalal, London/UK	
16:20	The challenging lung biopsy C. Ridge, Dublin/IE	
16:40	Imaging in haemoptysis S. Bhalla, St. Louis/US	
17:00	Discussion	
16:00-17:00	Industry sponsored afternoon symposium „The Future of CT Imaging“	R3+4
	Medical Image Interpretation in the age of Artificial Intelligence J. Aumüller, Forchheim/DE	
	Thoracic imaging with Tin Filter and 3D Camera positioning H. Alkadhi, Zurich/CH	
	Submillisvert Cardiac CT in Clinical Practice: Impact of low kV Scanning T. Zitzelsberger, Tuebingen/DE	
16:00-17:15	Chest X-ray self-assessment: Improve your performance	R5
	F. Gleeson, Oxford/UK; J-A. Phillips, Oxford/UK	
16:00-17:15	MR Perfusion	R6
	E. Pershina, Moscow/RU; V. Sinitsyn, Moscow/RU	
17:15-17:30	Break	
17:30-18:30	Joint Session: ESCR/ESTI joint Cardiopulmonary Quiz	R1
	Moderators: G. Ferretti, Grenoble/FR; C. Peebles, Southampton/UK	
17:30-18:30	ESTI: Scientific Session 4 - Nodules and screening	R2
	Moderators: Y.W. Choi, Seoul/KR; S. Diederich, Dusseldorf/DE	
17:30	Moderator introduction Y.W. Choi, Seoul/KR; S. Diederich, Dusseldorf/DE	
17:32	Capability of 3D Computer-Aided Volumetry (CADv) with Pulmonary Nodule Component Evaluation for Quantitative Prediction of Malignancy on Thin-Section CT Y. Ohno, Kobe/JP	
17:41	Radiomics allows classification of lung nodules as benign or malignant (adenocarcinoma and squamous cell carcinoma). A study based on the NLST data set S. Martin, Geneva/CH	
17:50	Digital Tomosynthesis and ground glass nodules: Optimization of acquisition protocol. A phantom study E. Baratella, Trieste/IT	
17:59	A Bronx Tale: Establishing and developing a Lung Cancer Screening Program in an Urban, Diverse Multi-Ethnic community A. Shmukler, Brooklyn/US	
18:08	What is a perifissural nodule? Low inter-observer agreement in NLST data A. Schreuder, Nijmegen/NL	
18:17	Incidental Extrapulmonary Findings in Low-Dose CT of the Thorax: Just LOW or MORE? Z. Tekin, Istanbul/TR	
18:26	Discussion	

17:30-18:30 ♥ ESCR: Educational Session 7 - State of the art: Imaging central & peripheral vascular disease (Level 2) R3+4

Moderators: S. Harden, Southampton/UK; L. Saba, Cagliari/IT

- 17:30 **Aorta**
 C. Loewe, Vienna/AT
- 17:45 **Supraaortic vessels**
 K. Blackham, Basel/CH
- 18:00 **Renal arteries**
 C. Catalano, Rome/IT
- 18:15 **Lower Limb**
 T. Leiner, Utrecht/NL

17:30-18:30 📺 ESTI: Special Focus Session - Korean thoracic imaging R5

Moderators: N. Howarth, Chêne-Bougeries/CH; M-P. Revel, Paris/FR

- 17:30 **Moderator introduction**
 N. Howarth, Chêne-Bougeries/CH; M-P. Revel, Paris/FR
- 17:32 **Clinicoradiologic significance of chronic pulmonary aspergillosis that a thoracic radiologist should know – based on the updated guideline by ERS/ESCMID**
 K.E. Shin, Bucheon-si, Gyeonggi-do/KR
- 17:36 **Recurrent pneumothorax: Important to investigate the cause of secondary spontaneous pneumothorax**
 S.Y. Shin, Seoul/KR
- 17:40 **CT findings and prognostic CT features of seasonal influenza viral pneumonia in adults**
 K.E. Shin, Bucheon-si, Gyeonggi-do/KR
- 17:44 **Impact of the new IASLC staging system in East Asian patients with non-small cell lung cancer: With comparison to the IASLC 7th TNM edition**
 S.S. Shim, Seoul/KR
- 17:48 **Differentiation between lymphangioleiomyomatosis and Birt-Hogg-Dubé syndrome: Analysis of pulmonary cysts on CT**
 E.J. Chae, Seoul/KR
- 17:52 **Evaluation with quantitative measurement developing airway-related physio-biologic marker using chest HRCT in COPD patients**
 Y-H. Kim, Gwangju/KR
- 17:56 **Prediction of Prognosis for Idiopathic Pulmonary Fibrosis with Thin-Section CT findings: Visual and Simple Quantitative Assessment**
 J.J. Woo, Seoul/KR
- 18:00 **Influence of radiation dose and iterative reconstruction on pulmonary nodule volumetric measurement: A phantom study using wide-volume axial scan**
 H.N. Lee, Seoul/KR
- 18:04 **Association between small pulmonary vascular area and mild airflow limitation in healthy smokers**
 M.J. Park, Junju/KR
- 18:08 **Pleural invasion classification of primary lung cancer by a 3T MRI with radial T1-weighted 3D spoiled gradient echo sequence**
 W. Kwon, Wonju/KR
- 18:12 **Planning of CT-guided Percutaneous Lung Biopsy Trajectory: Comparison Using Axial Images with Additional Sagittal Images for upper lobe lesions**
 S.S. Jou, Cheonan/KR
- 18:16 **Clinical significance of lobe-specific emphysema index for prediction of prolonged air leak after anatomical segmentectomy**
 T.H. Kim, Seoul/KR
- 18:20 **Salvage of suboptimal enhancement of pulmonary artery in chest CT: Experience using a dual-layer detector spectral CT**
 K.N. Jeon, Changwon/KR
- 18:24 **Does the contrast enhancement influence diagnostic accuracy in coronary CT angiography using APS?**
 J.J. Kim, Jeju/KR
- 18:28 **Discussion**

17:30-18:30 ♥ 3D Printing R6

A. Cosentino, Turin/IT; R. Faletti, Turin/IT

CONGRESS PROGRAMME SATURDAY, MAY 26

08:30-09:45	Joint Session: Update on large trials in cardiopulmonary diseases	R1
	<i>Moderators: A. Devaraj, London/UK; M. Dewey, Berlin/DE</i>	
08:30	Interstitial Lung Disease trials <i>F. Luppi, Modena/IT</i>	
08:50	CT or Cath in stable chest pain: The DISCHARGE trial <i>M. Dewey, Berlin/DE</i>	
09:10	Screening lung cancer <i>M. Prokop, Nijmegen/NL</i>	
09:30	Discussion	
08:30-09:45	■ ESTI: Scientific Session 5 - Airways and infection	R2
	<i>Moderators: D. Adler, Geneva/CH; N. Screaton, Cambridge/UK</i>	
08:30	Moderator introduction <i>D. Adler, Geneva/CH; N. Screaton, Cambridge/UK</i>	
08:32	Multicentre Standardisation of Chest MRI as Radiation-Free Outcome Measure of Lung Disease in Young Children with Cystic Fibrosis <i>M. Wielpütz, Heidelberg/DE</i>	
08:46	Is there correlation between radiological and microbiological criteria to diagnose invasive pulmonary aspergillosis? <i>I. Pulzato, Genoa/IT</i>	
09:00	Unmasking COPD in patients excluded by the lower limit of normality <i>M. Occhipinti, Florence/IT</i>	
09:14	Perifissural nodule count as a biomarker for COPD GOLD stages and emphysema measurements? <i>A. Schreuder, Nijmegen/NL</i>	
09:28	Analysis of multi-parametric radiomics from low-dose CT scans for better discrimination between non-emphysematous and emphysematous lung tissue <i>Y. Nagaraj, Groningen/NL</i>	
09:42	Discussion	
08:30-09:45	♥ ESCR: Proffered Paper Session 5 - Myocardial Perfusion	R3+4
	<i>Moderators: J. Lotz, Goettingen/DE</i>	
08:30	First-pass myocardial perfusion using dual-layer detector CT in healthy subjects: Impact of spectral reconstructions <i>D. Röttinger, Lausanne/CH</i>	
08:40	Microvascular perfusion in infarcted and remote myocardium after successful primary PCI: Angiographic and CMR findings <i>A. Bethke, Oslo/NO</i>	
08:50	Modification of left ventricle myocardial perfusion reserve after the implantation of coronary sinus stent: A stress-rest CMR study <i>A. Palmisano, Milan/IT</i>	
09:00	A phantom-based validation method for myocardial perfusion imaging: Initial results in CT <i>M. Kamphuis, Enschede/NL</i>	
09:10	Relative myocardial perfusion on cardiac magnetic resonance for the assessment of lesion-specific coronary artery ischemia <i>O. Ghekiere, Liège/Hasselt/BE</i>	
09:20	Stress computed tomographic perfusion improve diagnostic accuracy of coronary computed tomographic angiography in intermediate to high risk patients for coronary artery disease <i>G. Muscogiuri, Milan/IT</i>	
09:30	Performance of visual Splenic Switch-off sign, splenic and myocardial T1-reactivity in the assessment of stress adequacy during adenosine Cardiac Magnetic Resonance Imaging <i>R. van Dijk, Groningen/NL</i>	
09:40	Discussion	
08:30-09:45	♥ Cardiac CT: A primer for chest radiologists	R6
	<i>I. Carbone, Rome/IT; F. Mohamed Hoesein, Utrecht/NL</i>	

09:45-10:00 Coffee Break

10:00-11:15	Joint Session: Systemic disease with cardiopulmonary involvement	R1
	<i>Moderators: F. Molinari, Tourcoing/FR; L. Natale, Rome/IT</i>	
10:00	Connective tissue disorders and lung <i>C. Schaefer-Prokop, Amersfoort/NL</i>	
10:20	Connective tissue disorders and myocardium <i>I. Carbone, Rome/IT</i>	
10:40	Granulomatous diseases of the lung <i>N. Sverzellati, Parma/IT</i>	
11:00	Granulomatous disease of the myocardium <i>N. Oyama-Manabe, Sapporo/JP</i>	
10:00-11:15	ESTI: Mixed assortment	R2
	<i>Moderators: G. Aviram, Tel-Aviv/IL; P-Y. Brillet, Bobigny/FR</i>	
10:00	Subsolid nodules <i>J.M. Goo, Seoul/KR</i>	
10:15	Smoking related ILD <i>J. Roos, Lucerne/CH</i>	
10:30	Mediastinal tumours <i>J.W. Song, Seoul/KR</i>	
10:45	MSK manifestations of chest diseases <i>C. Pfirrmann, Zurich/CH</i>	
11:00	Discussion	
10:00-11:15	ESCR: Educational Session 8 - ESCR meets Belgium: Pericardium, masses, and Belgian waffles (Level 2)	R3+4
	<i>Moderators: A. Madureira, Porto/PT; R. Salgado, Edegem/BE</i>	
10:00	The forgotten structure: Revisiting the pericardium <i>A. Nchimi Longang, Luxembourg/LU</i>	
10:20	Imaging of Cardiac masses: A diagnostic strategy <i>J. Bogaert, Leuven/BE</i>	
10:40	Belgian Waffles and French Fries: Non-invasive cardiovascular risk assessment in the 21st century <i>R. Salgado, Edegem/BE</i>	
11:00	Discussion	
11:15-11:30	Break	
11:30-12:30	Industry sponsored satellite lunch symposium „Latest innovations for thoracic and cardiovascular CT imaging“	R2
	<i>Moderator: L. Guiral</i>	
	How low can we go with ultra-low dose Chest CT? <i>M.-P. Revel, Cochin Hospital, Paris/FR</i>	
	Ultra-Low dose CT: Indications and best practice in thoracic imaging <i>G. Ferretti, CHU, Grenoble/FR</i>	
	Clinical benefits with large detector CT on Cardio-thoracic imaging <i>H. Alifke, Lüdenscheid/DE</i>	
12:30-13:00	Break	
13:00-14:15	Joint Session: CT tissue characterisation and spectral imaging in cardiopulmonary diseases	R1
	<i>Moderators: K. Gruszczynska, Katowice/PL; X. Montet, Geneva/CH</i>	
13:00	Myocardial perfusion and late enhancement <i>S. Abbara, Texas/US</i>	
13:20	Pulmonary perfusion <i>M. Remy-Jardin, Lille/FR</i>	
13:40	Spectral CT <i>T. Leiner, Utrecht/NL</i>	
14:00	Discussion	

13:00-14:15	ESTI: Scientific Session 6 - Lung cancer II	R2
	<i>Moderators: A.R. Larici, Rome/IT; M. Silva, Parma/IT</i>	
13:00	Moderator introduction <i>A.R. Larici, Rome/IT; M. Silva, Parma/IT</i>	
13:02	Comparison of RECIST, iRECIST and PERCIST for evaluation of response to PD1-blockage therapy in patients with non-small lung cancer <i>L. Beer, Vienna/AT</i>	
13:12	Predicting Non-Small Cell Lung Cancer Recurrence Risk: Radiomics Analysis of the Tumor and Peritumoral Lung Parenchyma on Computed Tomography <i>T. Akinci D'Antonoli, Rome/IT</i>	
13:22	Ultrasound guided cervical lymph node sampling in the staging and management of lung cancer <i>J. Baren, Leeds/UK</i>	
13:32	Can an annotation tool using standardized label segmentation improve TNM accuracy in NSCLC staging? <i>A.W. Sauter, Basel/CH</i>	
13:42	Radiological response of second-line Nivolumab therapy correlates with cancer stadium rather than patient's gender, histology and genetic mutations (EGFR, KRAS) <i>D. Cozzi, Florence/IT</i>	
13:52	Multivariate modeling for benign vs malignant diagnosis in CT guided trans-thoracic biopsies: How well can we predict diagnosis based on clinical and CT imaging information? <i>E.J.M. Barbosa Jr., Philadelphia/US</i>	
14:02	Opportunistic Lung Cancer CT Screening in Outpatient Service in Germany: Frequency, Predictors and Quality <i>D. Schneider, Heidelberg/DE</i>	
14:12	Discussion	
13:00-14:15	ESCR: Proffered Paper Session 6 - MR and CT technical advances	R3+4
	<i>Moderators: N. Galea, Rome/IT; A. Nchimi Longang, Liege/BE</i>	
13:00	A new approach to manage the absence of full recovery of the longitudinal magnetization between the Look-Locker blocs in MOLLI sequence: Temporal registration, in vitro and in vivo <i>H. Rebbah, Paris/FR</i>	
13:12	3D multimodal image fusion - combined information about cardiac morphology, coronary FFR, myocardial perfusion, and scar <i>J. von Spiczak, Zurich/CH</i>	
13:24	A new method for predicting splenic „switch-off“ sign: Splenic T2-mapping <i>T. D'Angelo, Messina/IT</i>	
13:36	Compressed Sensing real-time cine imaging in patients with cardiac arrhythmia: Does it help to reduce mis-triggering artifacts? <i>F. Pontana, Lille/FR</i>	
13:48	Quantification of the Extracellular Volume Fraction (ECV) with Cardiac CT - Comparison with Cardiac MR <i>D. Vignale, Milan/IT</i>	
14:00	Non-binary Myocardial Infarct Quantification Technique Accounting for Partial Volume Averaging - Feasibility of Application of Percent Infarct Mapping in Patients <i>D. Mastrodicasa, Charleston/US</i>	
14:12	Discussion	
14:15-14:30	Coffee Break	
14:30-15:45	Joint Session: Drug induced cardiopulmonary toxicity	R1
	<i>Moderators: M. Francone, Rome/IT; I. Hartmann, Zwijndrecht/NL</i>	
14:30	Drug induced lung disease <i>C. Schaefer-Prokop, Amersfoort/NL</i>	
14:50	Cancer cured but heart sick: Monitoring cardiotoxicity during chemotherapy <i>E. Mousseaux, Paris/FR</i>	
15:10	Recreational drugs abuse: An attack to cardiovascular system <i>M. Francone, Rome/IT</i>	
15:30	Discussion	

14:30-15:45	ESTI: Rad Path correlation	R2
	<i>Moderators: J-C. Pache, Geneva/CH; M.O. Wielpütz, Heidelberg/DE</i>	
14:30	ILD <i>Y. Inoue, Osaka/JP; M. Kitaichi, Osaka/JP</i>	
15:00	Lung Cancer <i>J.M. Goo, Seoul/KR; S. Savic Prince, Basel/CH</i>	
15:30	Discussion	
14:30-15:45	ESCR: Educational Session 9 - ESCR meets ASCI: Non-ischemic Cardiomyopathy (Level 2)	R3+4
	<i>Moderators: L. Natale, Rome/IT; H. Sakuma, Mie/JP</i>	
14:30	CMR in Cardiac Sarcoidosis <i>N. Oyama-Manabe, Sapporo/JP</i>	
14:45	CMR in Cardiac Amyloidosis <i>L. Natale, Rome/IT</i>	
15:00	Value of T1 mapping in DCM - Pro <i>I. Carbone, Rome/IT</i>	
15:15	Value of T1 mapping in DCM - Con <i>J.I. Jung, Seoul/KR</i>	
15:30	Discussion	
15:45-16:00	Break	
16:00-17:00	Joint Session: Closing and Awardings - Future directions in cardiopulmonary imaging	R1
	<i>Moderators: J. Bremerich, Basel/CH; N. Howarth, Chêne-Bougeries/CH</i>	
16:00	Is hyperpolarized Xenon the future of pulmonary imaging? <i>F. Gleeson, Oxford/UK</i>	
16:20	Paradigm shifts in cardiovascular MRI <i>M. Stuber, Lausanne/CH</i>	
16:40	ESTI & ESCR awardings	

WORKSHOP OVERVIEW

We are happy to announce that ESTI and ESCR are offering several workshops (4x ESTI, 6x ESCR) on occasion of the joint meeting. Workshops organised on Thursday will be repeated on Friday. Both, ESTI and ESCR workshops will approx. last 75 mins. Workstations will be available.

The registration fee per workshop amounts to 20.00EUR. Workshop tickets can be purchased at the registration desk upon availability.

WORKSHOPS THURSDAY

ESTI Workshops | Room 5

08:30-09:45	Hands-on HRCT training (BIR) <i>S. Desai, London/UK; S. Padley, London/UK</i>
13:00-14:15	Nodule management <i>A. Devaraj, London/UK; A. Nair, London/UK</i>
14:30-15:45	Chest X-ray interpretation: A survival guide <i>D. Tack, Braine-L'Alleud/BE</i>
16:00-17:15	Chest X-ray self-assessment: Improve your performance <i>F. Gleeson, Oxford/UK; J.A. Phillips, Oxford/UK</i>
17:30-18:30	

ESCR Workshops | Room 6

Mapping 1 (acute injury model) <i>A. Esposito, Milan/IT; C. Lücke, Leipzig/DE</i>
TAVI <i>R. Budde, Rotterdam/NL; R. Salgado, Edegem/BE</i>
Mapping 2 (chronic injury model) <i>N. Galea, Rome/IT; A. Kallifatidis, Thessaloniki/GR</i>
MR Perfusion <i>E. Pershina, Moscow/RU; V. Sinitsyn, Moscow/RU</i>
3D Printing <i>A. Cosentino, Turin/IT; R. Faletti, Turin/IT</i>

WORKSHOPS FRIDAY (REPEATED)

ESTI Workshops | Room 5

08:30-09:45	Hands-on HRCT training (BIR) <i>S. Desai, London/UK; S. Padley, London/UK</i>
10:00-11:15	Nodule management <i>A. Devaraj, London/UK; A. Nair, London/UK</i>
14:30-15:45	Chest X-ray interpretation: A survival guide <i>H. Prosch, Vienna/AT</i>
16:00-17:15	Chest X-ray self-assessment: Improve your performance <i>F. Gleeson, Oxford/UK; J.A. Phillips, Oxford/UK</i>
17:30-18:30	

ESCR Workshops | Room 6

Mapping 1 (acute injury model) <i>A. Esposito, Milan/IT; C. Lücke, Leipzig/DE</i>
TAVI <i>R. Budde, Rotterdam/NL; R. Salgado, Edegem/BE</i>
Mapping 2 (chronic injury model) <i>N. Galea, Rome/IT; A. Kallifatidis, Thessaloniki/GR</i>
MR Perfusion <i>E. Pershina, Moscow/RU; V. Sinitsyn, Moscow/RU</i>
3D Printing <i>A. Cosentino, Turin/IT; R. Faletti, Turin/IT</i>

WORKSHOP SATURDAY FOR CHEST RADIOLOGISTS

Room 6

08:30-09:45	Cardiac CT: A primer for chest radiologists <i>I. Carbone, Rome/IT; F. Mohamed Hoessein, Utrecht/NL</i>
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CME ACCREDITATION

The ESTI-ESCR 2018 Joint Meeting, Geneva, Switzerland, 24/05/2018-26/05/2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **20 European CME credits** (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form. Cf. criteria 9 and 23 of UEMS 2016.20. In order to help you issue individual certificates to each participants, please find below the breakdown of ECMEC®s per day:

24.05.2018 - 7.00
25.05.2018 - 7.00
26.05.2018 - 6.00

The EACCME® awards ECMEC®s on the basis of 1 ECMEC® for one hour of CME with a maximum of 8 ECMEC®s per day. Cf. Chapter X of UEMS 2016.20.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

POTENTIAL CONFLICT OF INTEREST DISCLOSURES

It is the policy of ESTI (European Society of Thoracic Imaging) and ESCR (European Society of Cardiovascular Radiology) to ensure balance, independence, objectivity, and scientific rigour in the congress programme. Knowledge of possible relationships with sponsors of any kind is mandatory in order to reinforce the educational and scientific message and to relieve any suspicion of bias.

Any potential conflict of interest involving the organising committee should be made known so that the audience may form their own judgements about the presentation with a full disclosure of the facts. It is for the audience to determine whether the presenter's external interest may reflect a possible bias in either the work carried out or the conclusions presented.

The ESTI/ESCR 2018 congress presidents, Dr. Nigel Howarth and Prof. Dr. Jens Bremerich, did not disclose any relationships.

ESTI ESCR 2018 | MAY 24-26 | GENEVA, SWITZERLAND

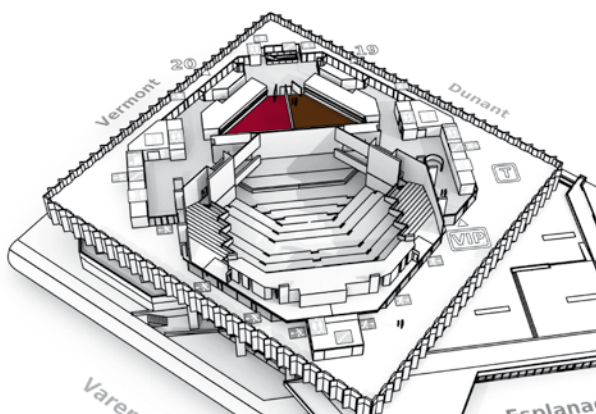
FLOOR PLAN

CICG - Centre International de Conférences Genève
Conference Area

Level 3

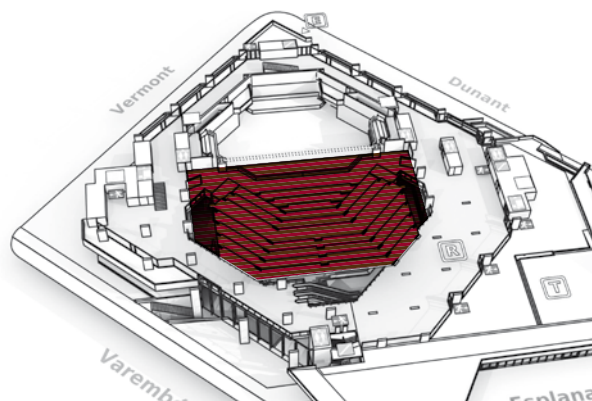
ESTI WORKSHOP ROOM ROOM 5

ESCR WORKSHOP ROOM ROOM 6



Level 1

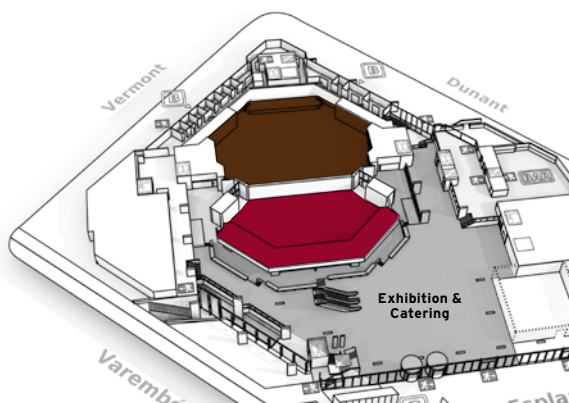
JOINT ROOM ROOM 1



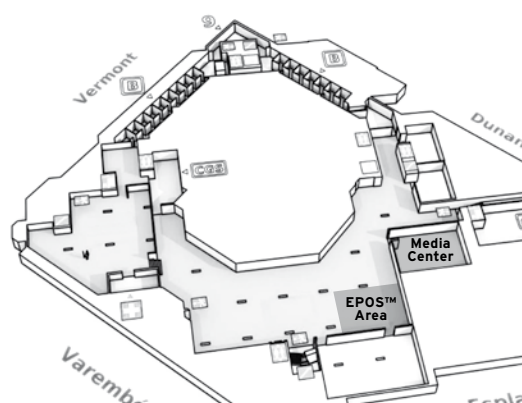
Level 0

ESTI ROOM ROOM 2

ESCR ROOM ROOM 3+4



Level -1



GENERAL INFORMATION

Congress Venue

CICG - Centre International de Conférences Genève
17 rue de Varembe
1211 Genève 20
Switzerland

Organising Secretariat

Education Congress Research GmbH
c/o ESTI Office & ESCR Office
Am Gestade 1
1010 Vienna, Austria
ESTI phone: +43 1 5322165 | ESCR phone: +43 1 5355093
office@myESTI.org | office@escr.org

Onsite Congress Office

In case of any questions, kindly consult the registration desk, staff persons will be happy to assist you.

Registration Desk Opening Hours

Thursday, May 24	07:30-18:30
Friday, May 25	07:30-18:30
Saturday, May 26	08:00-17:00

Conference Language

The meeting will be held in English. No simultaneous translation will be offered.

Registration fee for delegates includes:

- admittance to all scientific sessions
- admittance to the industry exhibition
- congress programme and online abstracts syllabus
- certificate of attendance
- coffee breaks

Badge/Tickets

You are kindly asked to wear your badge visible on the congress grounds at all time. Pre-ordered evening events tickets will be handed out additionally to the congress badge (if you have not received your pre-ordered tickets, please contact the registration staff members). Evening event tickets may be purchased onsite at the registration desk upon availability.

Internet/WIFI

All participants have complimentary internet/WIFI access.
Network: CICG
Username/Login: ESTI-ESCR2018
Password: 2018

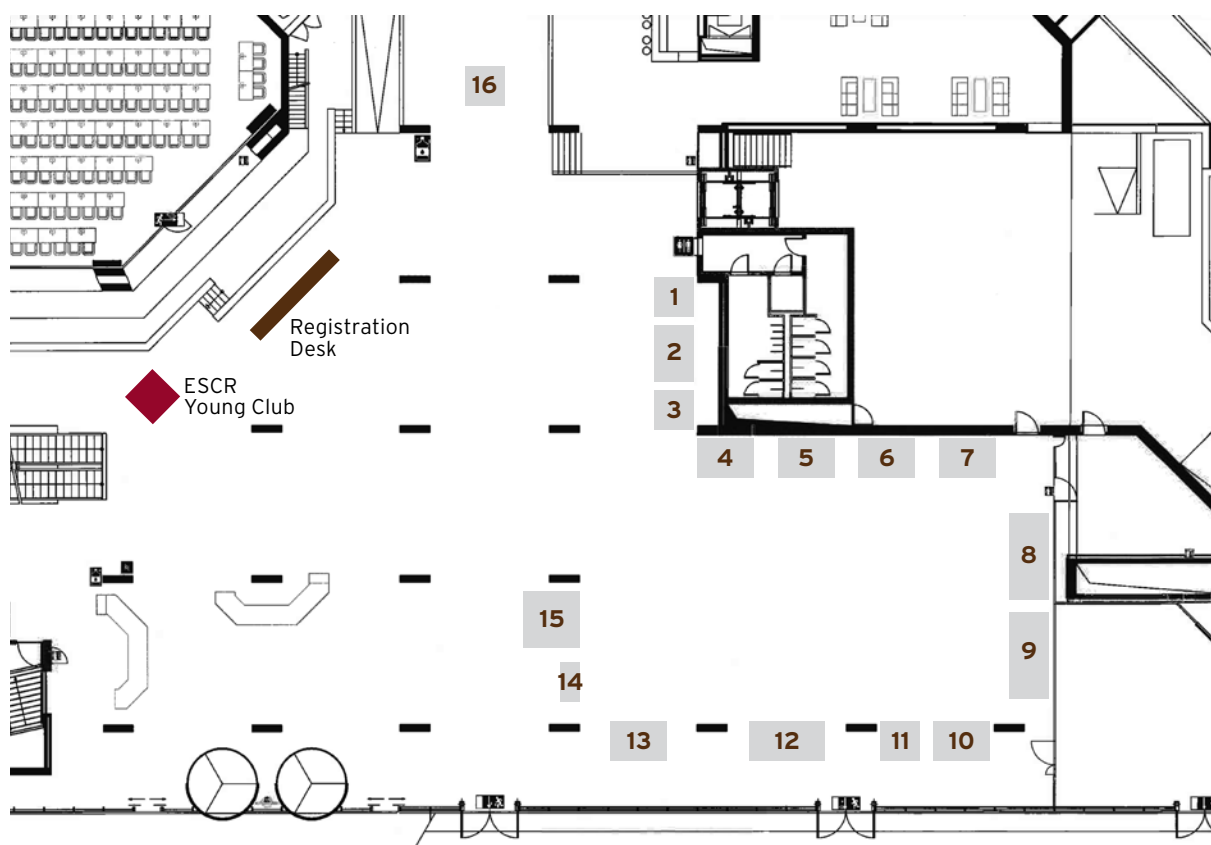
Media Center

The media center is located on level -1, in room number 15. Trained staff will be available to assist you with the equipment. The media center should only be used for a test run of your presentation(s). Please note that the media center should not be used to prepare your entire presentation and that due to the large number of speakers, the workstations are only available for minor editing.

EXHIBITION PLAN

Exhibitors

- | | |
|------------------------|--------------------------|
| 1 Pie Medical Imaging | 9 Bracco |
| 2 Telemedicine Clinic | 10 Heart It |
| 3 Roche | 11 BIR |
| 4 Bayer Healthcare | 12 NeoCoil/NeoSoft |
| 5 Surgical Specialties | 13 Canon Medical Systems |
| 6 Medis | 14 Mindshare |
| 7 Circle CVI | 15 Imbio |
| 8 Guerbet | 16 Geneva Tourism Bureau |



Guideline for Speakers

- You are kindly requested to submit your presentation at least two hours before your session starts (USB sticks are recommended).
- All presentations have to be uploaded in the conference IT-system. No personal computer will be accepted for projection.
- Please be at the lecture room at the latest five minutes prior to the start of your session and identify yourself to the moderators.
- Kindly observe your exact presentation time. Each session contains enough time for discussion. Exceeding the time limit will not be accepted and the moderators are requested to stop presentations in such cases.

EPOS™ Area

ESTI/ESCR 2018 is using EPOS™, the Electronic Presentation Online System, the electronic format of the scientific exhibition developed by the European Congress of Radiology (ECR). EPOS™ offers a much greater flexibility than traditional scientific exhibits and provides better options for scientific communication.

The EPOS™ area is located on level -1, in a quiet area next to the media center. All accepted posters can be viewed online from May 24-25.

Use your own device to browse through the posters:

<http://posterng.netkey.at/esti/viewing/>

<http://posterng.netkey.at/escr/viewing/>

Opening Hours:

Thursday, May 24 08:30-18:30

Friday, May 25 08:30-18:30

Industry Exhibition

Opening Hours:

Thursday, June 01 08:30-18:30

Friday, June 02 08:30-18:30

Saturday, June 03 08:30-16:00

Industry Sponsored Symposium/Slot Attendance

Attendees of any ESTI/ESCR 2018 industry sponsored symposium/slot agree that their registration details will be forwarded to the company organising that symposium. This agreement may be cancelled at any time by writing to the ESTI/ESCR 2018 Congress Office.

Mobile Phones

Please do not forget to switch off your mobile phones before entering any of the lecture rooms.

Breaks

Complimentary coffee, tea and refreshments will be served during the official coffee breaks to all meeting delegates.

Recording

Photo-, video- or audio-recording of any sessions or presentations is not allowed without the speaker's/organiser's prior written permission.

Future Meeting Desk

This area - located on the entrance level - offers you an overview of future meetings in the field of radiology and related disciplines, from all over the world. Feel free to contribute flyers and posters to promote your own meetings and courses.



SATELLITE LUNCH SYMPOSIUM

"Chest imaging with state of the art CT technology"

Thursday 24 May 2018 | Main Lecture Room | 11:30 - 12:30

Chairman:

Prof. M. Prokop

Radboud University Medical Center, Nijmegen, The Netherlands

LECTURE 1

"Ultra High Resolution CT for lung imaging – the clinical relevancies."

Speaker:

Prof. M. Prokop

Radboud University Medical Center, Nijmegen, The Netherlands

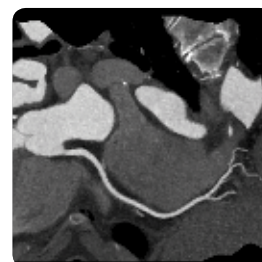
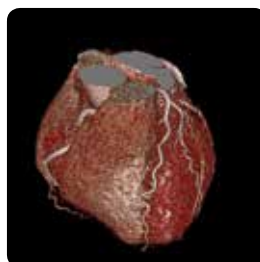
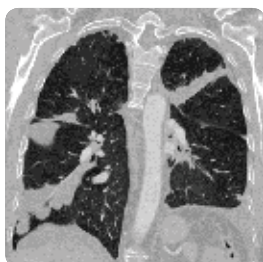
LECTURE 2

"Imaging chest pain with the GENESIS."

Speaker:

Dr. R. Bull

Royal Bournemouth Hospital, Bournemouth, UK



Awards

This year ESTI and ESCR honour those who have enhanced the quality of chest/cardiovascular radiology, through innovation and scientific excellence. In 2018, six (6) awards are offered on occasion of the ESTI/ESCR 2018 congress:

2x Magna Cum Laude, sponsored with 350,- Euro by MDPI Diagnostics

2x Cum Laude

2x Certificate of Merit

The best six oral presenters will be selected from the scientific/proffered paper sessions. Join the closing and award session on Saturday in room 1 at 16:00 CET. Please note that presence of the speaker at the closing session is obligatory to receive the prize.

ESCR Young Club Quiz

A radiology quiz presentation will be shown in loop on a monitor in the entrance hall. Please fill out the daily answer sheet (available at the monitor) and hand it in at the registration counter until the end of each day (Saturday only until 12:00). The quiz winners will be announced during the closing session.

Onsite Payment

Onsite payment can only be made by credit card (Visa or Mastercard) or in cash (Euro). Please be informed that no other payment facilities such as debit cards, cheques, etc. will be accepted.

Certificate of Attendance

The Certificate of Attendance can be downloaded after the congress upon entering either the ESTI or ESCR MyUserArea (depending on the system you have registered with). To enter the ESTI or ESCR MyUserArea, please login with your username in combination with your personal password.

Safety

The safety of all congress delegates and participants is of utmost importance to the Education Congress Research GmbH/ESTI-ESCR 2018. Security measures and precautions at the ESTI/ESCR 2018 venue have been tightened to ensure maximum security for all attendees. Badges must be worn visibly on the congress grounds at all time. The Education Congress Research GmbH/ESTI-ESCR 2018 reserves the right for staff to check participants' identification upon admission to and/or inside the congress venue. Participants may at any time be requested to present adequate proof of identity in the form of a passport, driver's license, national or military identification or student ID. Documents for the proof of identity must include a photograph and signature.

Disclaimer/Liability

Education Congress Research GmbH/ESTI-ESCR 2018 cannot accept any liability for the acts of the suppliers to this meeting or the attendees' safety while travelling to or from the congress. All participants and accompanying persons are strongly advised to carry adequate travel and health insurance, as Education Congress Research GmbH/ESTI-ESCR 2018 cannot accept liability for accidents or injuries that may occur. Education Congress Research GmbH/ESTI-ESCR 2018 are not liable for personal injury and loss or damage of private property.

Restaurant recommendations around CICC

MIP / CICC	Rue de Varembe 17, phone: 0041 22 791 94 65 CHF 15.00 / 20.00; Regional, Vegetarian; Closed on Saturday & Sunday
La Romana	Rue de Vermont 37, phone: 0041 22 734 84 86 CHF 20.00 / 30.00; Italian; Closed on Saturday noon & Sunday
Les Nations	Rue de Montbrillant 87, phone: 0041 22 734 35 45 CHF 20.00 / 30.00; Italian; Open everyday
Sagano	Rue de Montbrillant 86, phone: 0041 22 733 11 50 CHF 20.00 / 30.00; Japanese; Closed on Saturday noon & Sunday
Salsabeel	Avenue de France 27, phone: 0041 22 734 94 04 CHF 20.00 / 30.00; Indian; Closed on Sunday
La Favorita	Rue de Vermont 12, phone: 0041 22 733 61 84 CHF 20.00 / 30.00; Mediterranean; Closed on Saturday & Sunday
Lémon Café	Rue de Vidollet 4, phone: 0041 22 733 60 24 CHF 20.00 / 30.00; French; Closed on Saturday & Sunday
L'Ariana	Rue de Montbrillant 83, phone: 0041 22 740 07 67 CHF 15.00 / 35.00; Swiss, Regional; Closed on Saturday & Sunday
L'Europa	Rue Richard Wagner, phone: 0041 22 740 09 05 CHF 15.00 / 23.00; Italian; Closed on Saturday & Sunday
La Colombe	Ch. Des Colombettes 11, phone: 0041 22 734 58 00 CHF 20.00 / 35.00; Mediterranean; Closed on Saturday noon & Sunday
Woods	Intercontinental Hôtel, Ch. Du Petit Saconnex 7-9, phone: 0041 22 919 32 61 CHF 38.00 / 70.00; Regional; Open everyday
Sala	Rue Maurice Brailard 18, phone: 0041 22 733 39 33 CHF 20.00 / 49.00; Thai; Closed on Saturday noon & Sunday
Tzing Tao	Avenue de Sécheron 12, phone: 0041 22 732 02 89 CHF 15.00 / 25.00; Chinese; Closed on Saturday noon & Sunday
Chez Ma Cousine	Ch du Petit Saconnex 2, phone: 0041 22 733 79 85 CHF 15.00 / 25.00, Grill, French; Open everyday
Rajmoni	Rue Rothschild 54, phone: 0041 22 738 20 96 CHF 25.00 / 30.00; Indian; Open everyday
Café du Soleil	Place du Petit Saconnex, phone: 0041 22 733 34 17 CHF 20.00 / 40.00; Swiss, Regional; Open everyday
La Luigia	Ch. De la Tourelle 2, phone: 0041 788 77 70 CHF 30.00 / 50.00; Italian; Open everyday



ESTI/ESCR 2018

Gala Dinner

FRIDAY, MAY 25, 2018 | 20:00

Chateau de Penthes
Chemin de l'Impératrice 18
1292 Pregny-Chambésy

Dear colleagues and friends,

on behalf of the ESTI/ESCR 2018 Congress Presidents, Dr. Nigel Howarth and Prof. Dr. Jens Bremerich,
we would like to cordially invite you to join this year's Gala Dinner.

Your ticket to a spectacular event with unique ambience and outstanding quality!

Participants are welcome to join this evening at the Chateau de Penthes.
Please note, tickets are limited and will be offered on a first-come, first-served basis.
Tickets can be purchased at the registration desk upon availability.



Dresscode: Casual smart

One ticket per person is required. Buses will be available. Please show your ticket when entering the bus/venue.

The Education Congress Research GmbH/ESTI-ESCR 2018 may not accept liability for personal injury, loss/damage to property, personal or otherwise belongings of participants and/or accompanying persons, either during or as a result of an evening event.

President recommendation

TEN THINGS NOT TO MISS DURING YOUR STAY IN GENEVA

- 1** Breakfast/morning coffee at the Bain des Pâquis
- 2** Lakefront walk/run including the lakeside Parks: Parc Barton, Parc de la Grange, Parc des Eaux-Vives
- 3** Lake cruise around la Rade
- 4** Patek Philippe Museum
- 5** International Red Cross Museum
- 6** Museum of the Reformation
- 7** The view from the towers of the Cathédrale Saint-Pierre
- 8** Fondue at the Hôtel des Armures in the Old City
- 9** Bars/restaurants in the charming sardinian town of Carouge
- 10** Téléphérique du Salève - altitude 1300m!

Fun Run

DON'T MISS!

Meeting point: Hotel President Wilson, by the Lake
 Time: 07:00 am on Saturday, May 26
 Course: 5 km around the lakefront - flat course
 Supervision: Grangettes Running Team
 Registration: At the registration desk
 before Friday, May 25 noon



The event takes place whatever the weather! There will be no expenses for this event.

INDUSTRY SPONSORED SYMPOSIA

Thursday, May 24

11:30-12:30 Chest imaging with state of the art CT technology, Room 1

Moderator: M. Prokop, Radboud University Medical Center, Nijmegen/NL

Ultra High Resolution CT for lung imaging -
the clinical relevancies

M. Prokop, Radboud University Medical Center, Nijmegen/NL

Imaging Chest pain with the GENESIS

R. Bull, Royal Bournemouth Hospital, Bournemouth/UK

Canon
CANON MEDICAL SYSTEMS

Friday, May 25

11:30-12:30 Spectral detector CT in cardio-thoracic imaging, Room 2

Spectral CT technology, the Dual-Layer detector

A. Vlassenbroek, Brussels/BE

Added value of dual-layer detector spectral CT in cardio-thoracic disorders in emergency

R. Bull, Royal Bournemouth Hospital, Bournemouth/UK

PHILIPS

11:30-12:30 CT Imaging of the Heart and Its Close Neighbor, Room 3+4

Moderator: K. Nikolaou, Tuebingen/DE

TAVI & Friends: CT Imaging around the Heart

H. Haubenreisser, Mannheim/DE

Imaging myocardial ischemia with CTA:
challenges and solutions beyond coronary arteries

M. Francone, Rome/IT

BRACCO
LIFE FROM INSIDE

16:00-17:00 The Future of CT Imaging, Room 3+4

Medical Image Interpretation in the age of Artificial Intelligence

J. Aumüller, Forchheim/DE

Thoracic imaging with Tin Filter and 3D Camera positioning

H. Alkadhi, Zurich/CH

Submillisvert Cardiac CT in Clinical Practice: Impact of low kV Scanning

T. Zitzelsberger, Tübingen/DE

SIEMENS
Healthineers

Saturday, May 26

11:30-12:30 Latest innovations for thoracic and cardiovascular CT imaging, Room 2

Moderator: L. Guiral, GE Healthcare

How low can we go with ultra-low dose Chest CT?

M.-P. Revel, Cochin Hospital, Paris/FR

Ultra-Low dose CT: Indications and best practice in thoracic imaging

G. Ferretti, CHU, Grenoble/FR

Clinical benefits with large detector CT on Cardio-thoracic imaging

H. Alfke, Lüdenscheid/DE

 **GE Healthcare**

SPONSORS

We thank our industry partners for their highly appreciated support of ESTI/ESCR 2018:





EUROPEAN SOCIETY OF **CARDIOVASCULAR RADIOLOGY**

ANNUAL SCIENTIFIC MEETING 2019

24-26 OCTOBER
ANTWERP
BELGIUM



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ESTI

European
Society of
Thoracic
Imaging

ESTI **WINTER** **COURSE** **2018**

December 06-08, 2018
TROMSO, NORWAY

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Imaging

ESTI 2019

JOINT MEETING OF ESTI AND
THE FLEISCHNER SOCIETY

MAY 09-11, 2019
PARIS, FRANCE

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Education Congress Research GmbH

c/o ESTI Office & ESCR Office

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1010 Vienna, Austria

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