



ESTI WINTER COURSE 2021

December 9-10, 2021

ONLINE EDITION



FINAL PROGRAMME

www.myESTI.org





WELCOME WORDS

Dear attendees, colleagues and friends,

The coronavirus pandemic is still having a huge impact on both our personal welfare and educational activities. However, we are happy to welcoming you to the ESTI Winter Course 2021, to be organised from December 09-10, 2021. This meeting will count as ESTI event towards the ESTI diploma.

The Winter Course 2021 covers a variety of topics from basics in interstitial lung disease, infections including Covid-19, malignancies, lung cancer screening and artificial intelligence. The combination of topics are aimed to serve as a good introduction to radiologists embarking on a career in thoracic imaging as well as a solid refresher for experienced thoracic radiologists.

- **We hope you enjoy the two-days educational event!**

Best wishes,



Anagha P. Parkar, Bergen/NO
ESTI Winter Course 2021 Organiser



Fergus Gleeson, Oxford/UK
ESTI President





ESTI WINTER COURSE 2021 - FACULTY MEMBERS

Galit Aviram, Tel Aviv/IL
Jürgen Biederer, Heidelberg/DE
Eva Castañer González, Castelldefels/ES
Guillaume Chassagnon, Paris/FR
Sujal Desai, London/UK
Anand Devaraj, London/UK
Marc Dewey, Berlin/DE
Julien Dinkel, Munich/DE
Thomas Frauenfelder, Zurich/CH
Fergus Gleeson, Oxford/UK
Richard Graham, Bath/UK
Ieneke Hartmann, Rotterdam/NL
Nigel Howarth, Chêne-Bougeries/CH
Hans-Ulrich Kauczor, Heidelberg/DE
Anna Rita Larici, Rome/IT
Arjun Nair, London/UK
Patrick Omoumi, Lausanne/CH
Anagha P. Parkar, Bergen/NO
Mathias Prokop, Nijmegen/NL
Helmut Prosch, Vienna/AT
Marie-Pierre Revel, Paris/FR
Cornelia Schaefer-Prokop, Amersfoort/NL
Mario Silva, Parma/IT
Annemiek Snoeckx, Edegem/BE
Nicola Sverzellati, Parma/IT
Bram van Ginneken, Nijmegen/NL
Rozemarijn Vliegenthart, Groningen/NL
Jim Wild, Sheffield/UK
Joachim Wildberger, Maastricht/NL



THURSDAY, DECEMBER 09

08:30-08:40 Welcome Words

F. Gleeson, Oxford/UK

DON'T
MISS!

08:40-10:10 Session 1: Vessels

Moderator: A.R. Larici, Rome/IT

- 08:40 Acute aortic syndrome
G. Aviram, Tel Aviv/IL
- 09:05 Vasculitis
E. Castaner Gonzalez, Sabadell/ES
- 09:30 Pulmonary embolism and hypertension
J. Wildberger, Maastricht/NL
- 09:55 Q&A

10:10-10:25 Break

10:25-10:55 Industry sponsored symposium

Moderator: A.P. Parkar, Bergen/NO

- 10:25 Challenges in diagnosing CTD-ILDs
F. Ahlfors, Västra Frölunda/SE
- 10:50 Q&A

10:55-11:00 Break

11:00-12:30 Session 2: Infections

Moderator: F. Gleeson, Oxford/UK; A.P. Parkar, Bergen/NO

- 11:00 Patterns of infection, usefulness and limitations of CT
A.P. Parkar, Bergen/NO
- 11:25 Pulmonary imaging of Covid-19, usefulness and limitations
N. Sverzellati, Parma/IT
- 11:50 Imaging of mycobacterial infection revisited
F. Gleeson, Oxford/UK
- 12:15 Q&A

12:30-13:15 "Anywhere but viewing your screen"-break



13:15-15:15 Session 3: Scientific Session*Moderators: J. Biederer, Heidelberg/DE; J. Dinkel, Munich/DE*

- 13:15 A Computed Tomography-based Radiomics Model for Patient Prognostic Stratification in Non-Small Cell Lung Cancer
M. Chen, London/UK
- 13:25 Assessing longitudinal changes in lung gas transfer in dyspnoeic post-COVID-19 patients using hyperpolarized Xenon-129 Magnetic Resonance Imaging
J. Grist, Oxford/UK
- 13:35 Reliability of Ultra-Short Echo Time MRI sequence in the assessment of Interstitial Lung Disease related to Systemic Sclerosis
N. Landini, Treviso/IT
- 13:45 Differentiating COVID-19 pneumonia from atypical bacterial, fungal and non-COVID-19 viral pneumonia on Chest-CT: Is it possible?
A. Giannakis, Heidelberg/DE
- 13:55 Lung Thermal Ablation: Comparison between an Augmented Reality Computed Tomography (CT) 3D Navigation System (SIRIO) and Standard CT-Guided Technique
R.F. Grasso, Rome/IT
- 14:05 Relative contribution of emphysema and airway disease to disease severity in COPD patients GOLD stages I to IV using quantitative computed tomography
C. Brunner, Heidelberg/DE
- 14:15 Can inclusion of the combination of chemical shift ratio and signal intensity increase the number of patient's classified as definitively benign on thymic MRI beyond use of chemical shift ratio alone? Experience from a UK thoracic tertiary referral centre
G. Adam, Southampton/UK
- 14:25 Evaluation of AI applications in thoracic imaging: Performance in the detection of vertebral body alterations
C. Senra, Vila Nova de Gaia/PT
- 14:35 A Single Centre Institutional Study on 2295 patients for COVID-19 Detection from Radiographs Using a Deep Learning Model - Our Experience and Insights
P. Ajmera, Delhi/IN
- 14:45 Evaluation of an AI program in thoracic imaging: Performance in detection of thoracic aorta ectasia
F. Antunes, Vila Nova de Gaia/PT
- 14:55 Development of a risk prediction model for pneumothorax in percutaneous CT guided lung biopsy
S. Robson, Mt Helen/AU
- 15:05 CT-Guided Microcoil placement for VATS Resection of Pulmonary Nodules
S. Dimitri Pinheiro, Porto/PT

15:15-15:30 Break

15:30-16:00 Industry sponsored symposium*Moderator: T. Frauenfelder, Zurich/CH*

- 15:30 Incidental Pulmonary Nodules: Significance and Opportunities for Improving Management
Debra S. Dyer, Denver/US

15:50 Q&A

16:00-16:15 Break

16:15-17:15 Session 4: Nodules and lung cancer screening*Moderator: M. Silva, Parma/IT*

- 16:15 Nodule evaluation from ground glass to solid
A. Nair, London/UK

16:40 Lung cancer screening - An update
M. Prokop, Nijmegen/NL

17:05 Q&A

17:15-17:20 Break

17:20-18:20 Session 5: Quiz*J. Biederer, Heidelberg/DE; N. Howarth, Chêne-Bougeries/CH*DON'T
MISS!



FRIDAY, DECEMBER 10

08:30-10:30 Session 6: Thoracic Neoplasms

Moderator: T. Frauenfelder, Zurich/CH

- 08:30 Lung cancer
H. Prosch, Vienna/AT
- 08:55 Percutaneous ablation of malignant lung nodules
M-P. Revel, Paris/FR
- 09:20 Mediastinal tumors
I. Hartmann, Rotterdam/NL
- 09:45 Mesothelioma and pleural malignancies
A. Snoeckx, Edegem/BE
- 10:10 Q&A

10:30-10:45 Break

10:45-11:15 Industry sponsored symposium

Moderator: V. Azabagic-Thursar, Eschborn/DE

- 10:45 Comprehensive reporting of lung cancer screening: Nodule, Emphysema, Coronary
M. Silva, Parma/IT
- 11:10 Q&A

11:15-11:20 Break

11:20-12:50 Session 7: Interstitial lung disease

Moderator: J. Wildberger, Maastricht/NL

- 11:20 Smoking related disease
S. Desai, London/UK
- 11:45 Drug induced pulmonary disease
C. Schaefer-Prokop, Amersfoort/NL
- 12:10 Is there fibrosis and is it significant?
A. Devaraj, London/UK
- 12:35 Q&A

12:50-12:55 Break

12:55-13:25 Industry sponsored symposium

Moderator: E. Rouaud, Paris/FR

- 12:55 Building massive datasets: Lessons from the STOIC (Study of Thoracic CT in COVID-19) project
M-P. Revel, Paris/FR
- 13:15 Q&A

13:25-13:30 Break

13:30-15:00 Session 8: Artificial intelligence*Moderator: H-U. Kauczor, Heidelberg/DE*

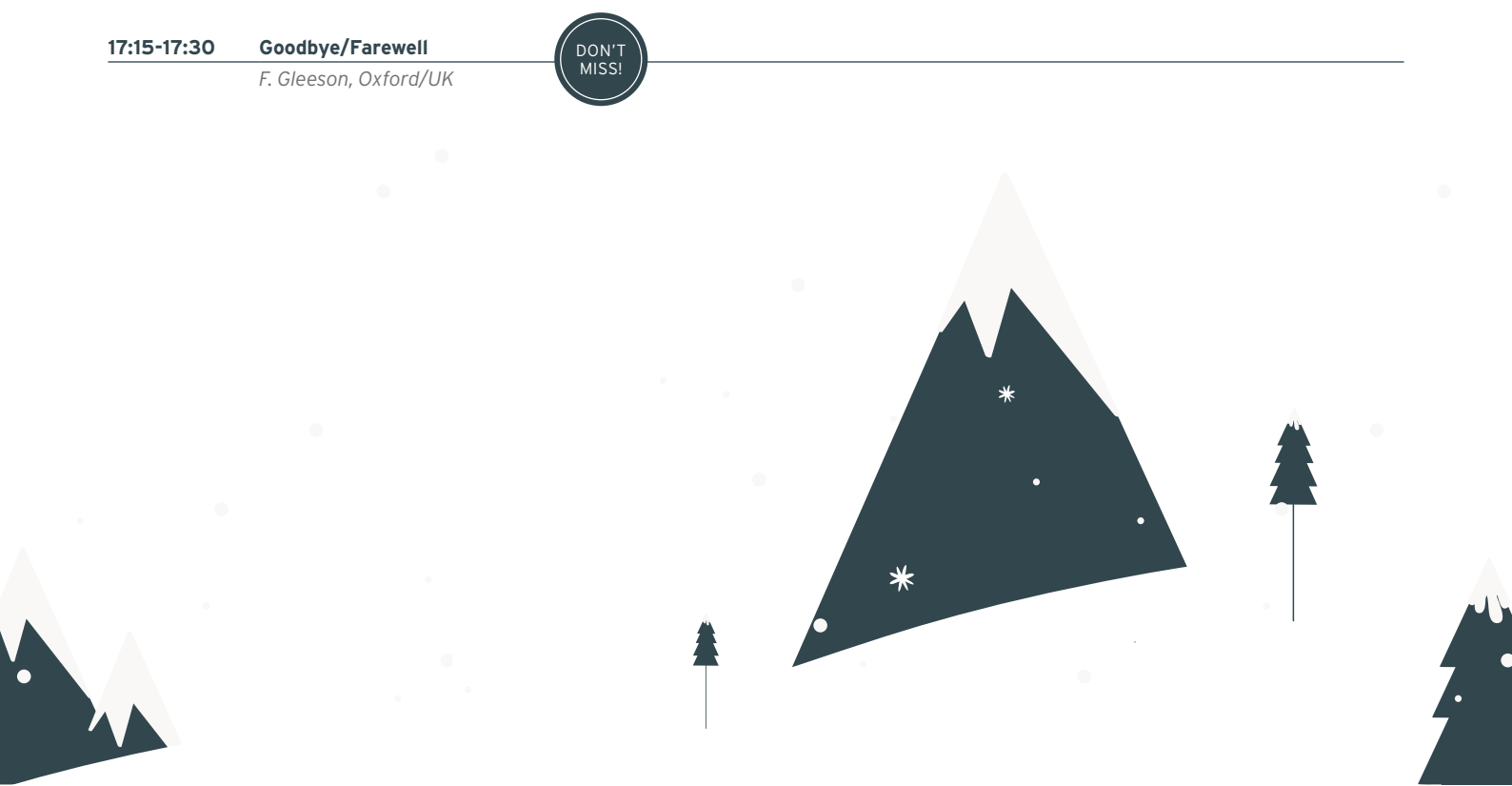
- 13:30 To buy or not to buy - Evaluating commercial AI solutions in radiology (the ECLAIR guidelines)
P. Omoumi, Lausanne/CH
- 13:55 Benefits of AI challenges to clinical practice: Algorithms in thoracic imaging that won and made it to the clinic
B. van Ginneken, Nijmegen/NL
- 14:20 Thoracic trials using AI - How to assess them
M. Dewey, Berlin/DE
- 14:45 Q&A
- 15:00-15:15 Break

15:15-15:45 Industry sponsored symposium*Moderator: G. Chassagnon, Paris/FR*

- 15:15 Dual Energy CT in chest imaging: The role of high concentration contrast media
Philippe Douek, Louis Pradel Hospital, Bron, France
- 15:40 Q&A
- 15:45-16:00 Break

16:00-17:15 Session 9: Cardiac, MRI, PET-CT*Moderator: A. Nair, London/UK*

- 16:00 The heart - What the thoracic radiologist cannot miss
R. Vliegenthart, Groningen/NL
- 16:20 When is MRI in the chest useful?
J. Wild, Sheffield/UK
- 16:40 Thoracic PET-CT: Not just for lung cancer
R. Graham, Bath/UK
- 17:00 Q&A

17:15-17:30 Goodbye/Farewell*F. Gleeson, Oxford/UK*DON'T
MISS!



ACCREDITATION

CME ACCREDITATION - CONTINUING MEDICAL EDUCATION

IMPORTANT: Due to UEMS regulations, attendees can only claim CME credits for the sessions that have actually been attended during the event. You will need to evaluate each session (one evaluation form available, please submit the same after the course) that you attended and would like to receive credits for on the event evaluation form. As part of this process, attendance will be monitored throughout the event.

The UEMS CME evaluation form will be provided directly via Morressier and will be available until **Thursday, March 10, 2022**. After this date, evaluation will not be possible anymore. CME credits will only be awarded after successful evaluation.

The ESTI Winter Course 2021 - ONLINE EDITION, ONLINE, Austria, 09/12/2021-10/12/2021 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **12 European CME credits** (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

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.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

Breakdown of ECMEC®s per day:	09/12/2021	6.00
	10/12/2021	6.00

Each participant who successfully registered and attended the live event will receive a confirmation of attendance **end of December**. The CME credits are only available for those who successfully complete the evaluation.

Persons who attended the live event (December 09-10) AND who successfully evaluated the congress will receive their UEMS CME certificate **end of December**.

Persons who will watch the lectures on-demand AND who successfully evaluate the congress will receive their UEMS CME certificate **end of March 2022**. UEMS CME evaluation deadline: Thursday, March 10, 2022.

CONFIRMATION OF ATTENDANCE

Each participant who successfully registered and attended the live event will receive a confirmation of attendance after the meeting. The CME credits are only available for those who successfully complete the evaluation form via ESR Connect.



POTENTIAL CONFLICT OF INTEREST DISCLOSURES

It is the policy of ESTI (European Society of Thoracic Imaging) 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 Winter Course 2021 Organiser, Dr. Anagha P. Parkar, did not disclose any relationships.





GENERAL INFORMATION

ORGANISING SECRETARIAT

ESTI - European Society of Thoracic Imaging
Am Gestade 1
1010 Vienna, Austria
P: +43 1 5334064-900
E: office@myESTI.org

CONFERENCE LANGUAGE

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

REGISTRATION FEE FOR DELEGATES INCLUDES

- admittance to all sessions (online)
- admittance to the industry symposia (online)
- admittance to the industry exhibition (online)
- congress programme (online)
- certificate of attendance
- on-demand access for 3 months following the course

RECORDING

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



LOGIN/ACCESS INFORMATION FOR REGISTRANTS

Google Chrome Browser

Make sure you are using the most recent version of google chrome browser for watching ESTI online, other browsers are not supported by the Morressier platform. In addition, make sure to have a stable internet connection and to not be blocked behind any kind of firewall.

Recommended Bandwidth

The website www.speedtest.net offers you to check your bandwidth. We strongly recommend recommend: Download min. 6Mbit required bandwidth.

Also, we recommend a cable internet or a wireless connection with full signal.

Please note: Shared bandwidth (e.g. hospital, universities) will result in lower bandwidth for each user.

Login

The login information will be sent to you on Wednesday, December 08. You are then kindly asked to login and complete your account to watch the sessions, starting on Thursday, December 09.

Kindly note:

Your login data are personalised and case sensitive. Do not share this information with others as simultaneous watching on multiple devices is not possible and will result in viewing errors.

You need help?

In case of any difficulties, please send an email to the Morressier support team via support@morressier.com.

Q&A - ASK QUESTIONS AND ENGAGE IN DISCUSSIONS

During the conference, you will be able to ask questions via the chatbox embedded below the stream. Just type and submit your question in order get the same answered by the speakers during the Q&A part of each session. All participants have the chance to submit questions - the most interesting ones will be discussed in the live conference.



INDUSTRY SPONSORED SYMPOSIA

THURSDAY, DECEMBER 09, 10:25-10:55

Moderator: A.P. Parkar, Bergen/NO

Challenges in diagnosing CTD-ILDs

F. Ahlfors, Västra Frölunda/SE

Q&A



THURSDAY, DECEMBER 09, 15:30-16:00

Moderator: T. Frauenfelder, Zurich/CH

Incidental Pulmonary Nodules: Significance and Opportunities for Improving Management

Debra S. Dyer, Denver/US

Q&A



FRIDAY, DECEMBER 10, 10:45-11:15

Moderator: V. Azabagic-Thursar, Eschborn/DE

Comprehensive reporting of lung cancer screening: Nodule, Emphysema, Coronary

M. Silva, Parma/IT

Q&A



FRIDAY, DECEMBER 10, 12:55-13:25

Moderator: E. Rouaud, Paris/FR

Building massive datasets: Lessons from the STOIC (Study of Thoracic CT in COVID-19) project

M-P. Revel, Paris/FR

Q&A



FRIDAY, DECEMBER 10, 15:15-15:45

Moderator: G. Chassagnon, Paris/FR

Dual Energy CT in chest imaging: The role of high concentration contrast media

Philippe Douek, Louis Pradel Hospital, Bron, France

Q&A





SPONSORS

We thank our industry partners for their highly appreciated support of the ESTI Winter Course 2021:





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