



30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



EUROPEAN CONFERENCE
ON GENERAL THORACIC SURGERY

ESTS



30th Meeting of the European Society of Thoracic Surgeons has been granted 22 European CME credits (ECMEC®s) by the European Accreditation Council for Continuing Medical Education (EACCME®)

www.ests.org

30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



PROGRAM AT A GLANCE

SUNDAY 19 JUNE 2022

	KING WILLEM ALEXANDER	MISSISSIPPI	
08:00 - 08:30	Postgraduate Symposium Master Cup		
08:30 - 09:00			
09:00 - 09:30			
09:30 - 10:00			
10:00 - 10:30	Coffee Break (Exhibition Area)		
10:30 - 11:00	Postgraduate Symposium Master Cup		
11:00 - 11:30			
11:30 - 12:00			
12:00 - 12:30			OTHER ROOMS 12:00-13:00 Industry-sponsored symposiums
12:30 - 13:00			
13:00 - 13:30	Database and Quality Certification Session	Nightmares in Thoracic Surgery	
13:30 - 14:00			
14:00 - 14:30		Video I Session I	
14:30 - 15:00	Lobectomy vs segmentectomy in small peripheral NSCLC. Session in co-operation with Japanese Association of Chest Surgery (JACS)		
15:00 - 15:30		Coffee Break (Exhibition Area)	
15:30 - 16:00	Coffee Break (Exhibition Area)	ESTS Biology Club	
16:00 - 16:30	Patients/Carers Session		
16:30 - 17:00			
17:00 - 17:30	Perioperative complications prevention session/ERATS	Sustainability in surgery: the green OR in cooperation with Dutch Society of Lung Surgery	YANGTZE TERRACE 17:00-18:00 Junior Poster Session
17:30 - 18:00			
18:15 - 19:00	Opening Ceremony		
19:00 - 20:00	Welcome Reception (Exhibition Area)		
19:30 - 20:30		Women Get Together	
20:15 - 22:00	Trainees Get Together		

- ABSTRACT SESSION
- SESSIONS IN CO-OPERATION WITH OTHER SOCIETIES
- EDUCATIONAL SESSION
- POSTGRADUATE COURSE



30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



PROGRAM AT A GLANCE

MONDAY 20 JUNE 2022

	KING WILLEM ALEXANDER	MISSISSIPPI	OCEANIA	YANGTZE	ONYX
07:00 - 07:30				Sunrise Seminar 1 Old patients and frailty: the new crucial preoperative variable to evaluate	Sunrise Seminar 2 Preoperative electromagnetic bronchoscopy in the hybrid OR
07:30 - 07:50					
08:00 - 08:30	Innovative/experimental I Session II	Mixed thoracic I Session III			
08:30 - 09:00					
09:00 - 09:15	Opening remarks				
09:15 - 09:30					
09:30 - 10:00	Brompton Session IV		Nurses & Allied Health Professionals Symposium		
10:00 - 10:45					
10:45 - 11:15	Coffee Break (Exhibition Area)				
11:15 - 11:45	Invited Lecture		Nurses & Allied Health Professionals Symposium		
11:45 - 12:00	Introduction to the President				
12:00 - 12:30	Presidential Address				
12:30 - 13:00					
13:00 - 13:30					
13:30 - 14:00	Pulmonary neoplastic I - (early stage lung cancer) Session V	Tracheal and Airway Surgery Session in co-operation with the Brazilian Society of Thoracic Surgery (SBCT)		Abstract Session	
14:00 - 14:30					
14:30 - 15:00	Young Investigators Award Session VI	Robotic surgery. Session in co-operation with Society of Thoracic Surgeons (STS)			
15:00 - 15:30					
15:30 - 16:00		Coffee Break (Exhibition Area)		Practical Session for Nurses & Allied Health Professionals -OCEANIA FOYER-	
16:00 - 16:30	Coffee Break (Exhibition Area)	Esophageal Session			
16:30 - 17:00	MITIG VATS Resection Session VII				
17:00 - 17:30		Fit to perform session			
17:30 - 18:00					
18:00 - 18:45	General Assembly				
19:30 - 23:30	ESTS PARTY				

OTHER ROOMS

10:45-11:15
Industry-sponsored
Meet the expert

OTHER ROOMS

12:30-13:30
Industry-sponsored
symposiums

YANGTZE TERRACE

17:00-18:00
Poster Session-Moderated

- ABSTRACT SESSION
- LECTURE
- SUNRISE ACADEMY
- EDUCATIONAL SESSION
- NURSES & ALLIED
- SESSIONS IN CO-OPERATION WITH OTHER SOCIETIES

30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



PROGRAM AT A GLANCE

ABSTRACT SESSION	SESSIONS IN CO-OPERATION WITH OTHER SOCIETIES	SUNRISE ACADEMY
EDUCATIONAL SESSION	LECTURE	OTHERS (EX. LUNCH SYMPOSIUM)

TUESDAY 21 JUNE 2022

	KING WILLEM ALEXANDER	MISSISSIPPI	YANGTZE	ONYX
07:00 - 07:30				
07:30 - 07:50				
08:00 - 08:30				
08:30 - 09:00				
09:00 - 09:30				
09:30 - 10:00				
10:00 - 10:30				
10:30 - 11:00				
11:00 - 11:30				
11:30 - 12:00				
12:00 - 12:30				
12:30 - 13:00				
13:00 - 13:30				
13:30 - 14:00				
14:00 - 14:30				
14:30 - 15:00				
15:00 - 15:30				
15:30 - 16:00				
16:00 - 16:30				
16:30 - 17:00				
17:00 - 17:30				
17:30 - 18:00				

OTHER ROOMS
12:00-13:00 Industry-sponsored symposiums



30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

KING WILLEM ALEXANDER

PART I:



ESTS POSTGRADUATE SYMPOSIUM-MASTER CUP

SUNDAY, 19 JUNE 2022 08:00 - 12:00 h •

KING WILLEM ALEXANDER

Organisers: Hermien Schreurs (Alkmaar/NL)
Nuria Novoa (Salamanca/ES)

PART II:



Each year the ESTS Postgraduate Symposium brings the Thoracic Surgery world up to date with the latest news/development and science in our field in those areas which represents part of our daily practice.

To spice up the atmosphere, we will review all this contents in a high-level competition in which three teams of young surgeons will fight out to win the ESTS Master Cup.

Prizes

The ESTS Master Cup for the best scoring team:
Three scholarships for the ESTS School of Thoracic Surgery Knowledge Track Course of 2023 to the best junior surgeon of each team based on the best performing on general questions.

ESTS audience awards:

These are awarded for the top 3 audience's responses regarding the presented topics.

- ESTS Award for the best audience performer: a free registration for the 2023 School of Thoracic Surgery OR a free registration to 2023 Annual Meeting.
- ESTS Award for the second best audience performer: a free registration for the 2023 Medical Writing Course OR a free registration to 2023 Annual Meeting.
- ESTS Award for the third best audience performer: a free registration to 2023 Annual Meeting.

Format

The 2022 Postgraduate Course – Master Cup will be structured as a contest in which a designated expert will provide questions and cases for discussion about a specific topic.

Three teams will compete. Each will be composed of 1 captain and 4 trainees. This year due to the difficulties posed by the pandemic, participants will be chosen and assigned in strict order of request to the different teams. The course, except last minute suspension, will be held live during the congress. Therefore, participants must be able to travel to the conference venue.

There will be 5 identical sessions, one for each topic. Each session will be structured as follows:

1. The expert will give a brief introduction of the topic (2 min).
2. The expert will formulate six questions to all the teams at the same time and to the audience
3. Participants will have up to 1 minute to reply to the questions. The audience will answer to the questions from the floor using the App and benefitting from the same time allotted to the responding teams
4. At the end of each question: the audience voting for each question will be revealed.
5. Teams: For each correct answer a point will be added, for each incorrect answer half a point will be subtracted. Audience will not score negatively.
6. The expert will explain the correct solution according to the evidence-based data.
Solutions can be provided individually for each question or globally at the end.
7. The expert presents a summary of the most relevant data and a final educational message (4-5 minutes)
8. After the five rounds of questions are finished, the final round of questions will take place.

In this round each expert will ask two articulated questions based on real-case scenario related to their topic.

EXPERTS



Tim Batchelor (Bristol/UK)
ERATS



René Horsleben Petersen (Copenhagen/DK)
T1a b nodules



Brendon Stiles (New York/US)
Immunotherapy and Surgery



Hasan Batirel (Istanbul/TK)
N2 disease



Enrico Ruffini (Torino/IT)
Thymoma

30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

KING WILLEM ALEXANDER

TEAMS



Kostas Papagiannopoulos (Leeds/UK)
Team Captain

Annalisa Barbarossa (Catanzaro/IT) 
Semih Erduhan (Istanbul/TR) 
Lin Huang (Copenhagen/DK) 
Andrej Roj (Graz/AT) 



Gunda Leschber (Berlin/DE)
Team Captain

Lawek Berzenji (Antwerp/BE) 
Thomas Koedam (Hoorn/NL) 
Jacie Law (Cambridge/UK) 
Riccardo Orlandi (Milano/IT) 



Gilbert Massard (Luxembourg/LU)
Team Captain

Rita Costa (Porto/PT) 
Joseph Lula Lukadi (Amiens/FR) 
Patrick Soldath (Copenhagen/DK) 
Eloisa Ruiz Lopez (Córdoba/ES) 



SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

KING WILLEM ALEXANDER



DATABASE AND QUALITY CERTIFICATION SESSION

SUNDAY 19 JUNE 2022 13:00 - 14:30 h •

KING WILLEM ALEXANDER

Chairs: Pierre Emmanuel Falcoz (Strasbourg/FR)
Zalan Szanto (Pecs/HU)



13:00-13:12

Summary of the Database in 2021
Zalan Szanto (Pecs/HU)



13:15-13:27

NETT tumours in the last decades.
Summary of the NETT Working Group
Pier Luigi Filosso (Torino/IT)



13:30-13:42

ESTS-IASLC Co-operation.
Summary of the Thymic Group
Bernhard Moser (Vienna/AT)



13:45-13:57

Current status of the Airway Working Group
Konrad Hoetzenecker (Vienna/AT)



14:00-14:12

Perspectives of Digital Transformation
in Thoracic Surgery
Nizar Asadi (London/UK)



14:15-14:30

Presentation of Institutional Accreditation Certificates



LOBECTOMY VS SEGMENTECTOMY IN SMALL PERIPHERAL NSLC. **SESSION IN CO-OPERATION WITH** **JAPANESE ASSOCIATION OF CHEST** **SURGERY (JACS)**

SUNDAY 19 JUNE 2022 14:30 - 15:30 h •

KING WILLEM ALEXANDER

Chairs: Dominique Gossot (Paris/FR)
Shinichi Toyooka (Okayama/JP)



14:30-14:42

Lobectomy for stage IA NSCLC
Eric Lim (London/UK)



14:45-14:57

Real world data of stage IA surgery
Junichi Soh (Osaka/JP) **ONLINE**



15:00-15:12

Oncological criteria of sublobar resections
Dominique Gossot (Paris/FR)



15:15-15:27

Results of the JCOG 0802-trial
Hisashi Saji (Kawasaki/JP)

30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

KING WILLEM ALEXANDER



PATIENTS/CARERS SESSION

SUNDAY 19 JUNE 2022 16:00 - 17:00 h ·

KING WILLEM ALEXANDER

Chairs: Cecilia Pompili (Leeds/UK, Verona/IT)

Anna Frick (Vienna/AT)



16:00-16:12

How surgeons can support advocates

Daniela Molena (New York/US)



16:12-16:34

Mesothelioma: how patients understand care in an era of multi-modality treatment

Kate Hill (Leeds/UK)



16:34-16:36

Patients and Public Involvement (PPI) in surgical trials

Cecilia Pompili (Leeds/UK, Verona/IT)



16:36-16:48

Impact of Covid-19 pandemic on patient awaiting Lung Cancer Surgery and Transplantation

Lorenzo Rosso (Milano/IT)



16:48-17:00

Panel discussion

Moderator: Neda Milevska-Kostova (Maastricht/NL)

President of International Alliance of Patients' Organizations (IAPPO)



16:48-17:00

Speaker and panelist

Lidia Barberio (Utrecht/NL) Director of Longkanker Nederland



PERIOPERATIVE COMPLICATIONS PREVENTION SESSION/ERATS

SUNDAY 19 JUNE 2022 17:00 - 18:00 h ·

KING WILLEM ALEXANDER

Chairs: Tim Batchelor (Bristol/UK)

Eric von Meyenfeldt (Dordrecht/NL)



17:00-17:05

Introduction - Optimising care by preventing perioperative complications

Tim Batchelor (Bristol/UK)



17:05-17:13

The Philosophy of ERATS - the aggregation of marginal gains

Michel Gonzalez (Lausanne/CH)



17:13-17:21

The Philosophy of ERATS - the a few key elements are all that is required

Henrik Hansen (Copenhagen/DK)



17:21-17:30

Discussion



17:30-17:40

Anesthesia and ERATS – influence beyond the operating room

Yacine Ynineb (Paris/FR)

17:40-17:45



17:45-17:55

ERATS as standard of care – a national perspective

Eric von Meyenfeldt (Dordrecht/NL)

17:55-18:00

Discussion



30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

KING WILLEM ALEXANDER



OPENING CEREMONY

SUNDAY 19 JUNE 2022 18:15 - 19:00 h • KING WILLEM ALEXANDER



Welcome
by Alessandro Brunelli, President



Welcome
by Willem-Hans Steup, Chair of the Local Organising Committee

Presentation of Society Awards for Travel Grants

Presentation of Past President

Presentation of the Winners of the Masters Cup
Postgraduate Symposium

Presentation to the Best Trainee of each Team

Presentation of Honorary Members

Invited Guest - Legacy from an Icon

Presentation to the Top Three Audience
participants

WELCOME RECEPTION

SUNDAY 19 JUNE 2022 19:00 - 20:00 h • EXHIBITION AREA

SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

MISSISSIPPI



NIGHTMARES IN THORACIC SURGERY

SUNDAY 19 JUNE 2022 13:00 - 14:00 h • MISSISSIPPI

Chairs: Pascal Thomas (Marseille/FR)

Kostas Papagiannopoulos (Leeds/UK)

13:00-13:15

Establishing and retaining a difficult airway in Oncology.

Best and safe available devices and techniques

Hervé Dutau (Marseille/FR)

13:20-13:35

Managing complex infected pleural spaces and a trapped lung

Geert Fernand (Genk/BE)

13:40-13:55

Managing chronic air leaks and pneumothoraces in the COVID era?

Duilio Divisi (Teramo/IT)



VIDEO I SESSION I

SUNDAY 19 JUNE 2022 14:00 - 15:00 h • MISSISSIPPI

Chairs: Apostolos Agrafiotis (Brussels/BE)

Calvin S.H. Ng (Hong Kong/HK)

14:00-14:07

V-001 - Successful management of pulmonary arterial bleeding without conversion during robotic sleeve resection

Darren S Bryan, John P Kuckelman, Paul L Feingold, Emily Polhemus, John S Young, M. Blair Marshall

Boston/US

14:10-14:17

V-002 - Staged hybrid minimally invasive and open reversal of esophageal diversion

Sandeep Sachidananda¹, Yifan Zheng¹, Emily Polhemus¹, Matthew Pommerening¹, Hassan A Khalil^{1,2}

¹Boston/US, ²West Roxbury/US

14:20-14:27

V-003 - Uniportal Video Assisted Thoracoscopic Surgery (VATS) right main pulmonary endarterectomy in non-thrombotic pulmonary artery embolism

Anna Minasyan¹, Mercedes De La Torre Bravos¹, Ricardo Fernández Prado¹, Marina Paradela De La Morena¹, Alejandro García Pérez¹, Ignacio Sánchez Valenzuela¹, Diego González Rivas²

¹A Coruña/ES, ²Shanghai/CN

14:30-14:37

V-004 - Computed (CT)-Guided microcoil position for Ground Glass Opacities in uniportal vats lung resections

Andrea La Rosa, Stylianos Korasidis, Gianmarco Elia, Tommaso Ferrarello, Vittorio Aprile, Maria Giovanna Mastromarino, Marcello Carlo Ambrogio

Pisa/IT

14:40-14:47

V-005 - Surgical management for a dramatic presentation of thoracic endometriosis

Emily Polhemus, Abby White, Benjamin Varieur, Daniel P. Dolan, Daniel N. Lee, Hassan A. Khalil, Scott J. Swanson

Boston/US

14:50-14:57

V-006 - Robotic anterior segmentectomy in a patient with partial situs inversus: anatomic variations and challenges

Lucía Milla Collado, Mercedes Álvarez Fernández, Inés Luque Vázquez, Sara Hernández Calvo, Angélica Sánchez Nacimiento, María Rodríguez Pérez

Madrid/ES



SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

MISSISSIPPI



ESTS BIOLOGY CLUB



SUNDAY 19 JUNE 2022 15:30 - 17:00 h • MISSISSIPPI

Chairs: Laurens Ceulemans (Leuven/BE)
Olivia Lauk (Zurich/CH)
Brendon Stiles (New York/US)

Award: ESTS Biology Club Fellowship Award -
a research fellowship award offered to
young scientists and clinicians

15:30-15:35

Introduction from Chairs

15:35-15:45

Report from Biology Club Fellowship Award Leuven 2020
Elena Prisciandaro (Milano/IT)

15:45-16:00

Is there a future for tolerance in lung transplantation?
Christine Falk (Hannover/DE)

16:00-16:05

Discussion

16:05-16:20

Translational aspect of neoadjuvant immunotherapy trials
Boris Sepesi (Houston/US)

16:20-16:25

Discussion

Applicant presentations and discussions

16:25-16:35

**Clinical impact of integrated PET/MRI for non-invasive
staging of malignant pleural mesothelioma compared
to PET/CT and MRI: a prospective study**
Annalisa Barbarossa (Catanzaro/IT)

16:35-16:45

**Ergonomical Assessment of Robotic Versus Video-
assisted Lobectomy for early stage Lung Cancer**
Ahmed Elkhoully (Tanta/EG)

16:45-16:55

**Ca2+ handling as a potential target for the treatment
of Malignant Pleural Mesothelioma**
Ilaria Potenza (Ferrara/IT)

16:55-17:00

Closing comments



SUSTAINABILITY IN SURGERY: THE GREEN OR IN COOPERATION WITH DUTCH SOCIETY

SUNDAY 19 JUNE 2022 17:00 - 18:00 h • MISSISSIPPI

Chairs: Willem Hans Steup (The Hague/NL)
Frank Willem Jansen (Leiden/NL)

17:00-17:12

The problem and view from Hospital/OR
Frank Willem Jansen (Leiden/NL)

17:12-17:24

View from the Technical University
Bart Van Straten (Delft/NL)

17:24-17:36

View from the Government/Legislators
Esther Putman (The Hague/NL)

17:36-17:48

View from the Suppliers
Willem Hans Steup (The Hague/NL)

17:48-18:00

Discussion

SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

YANGTZE TERRACE



JUNIOR POSTER SESSION

SUNDAY 19 JUNE 2022 17:00 - 18:00 h • YANGTZE TERRACE

Chairs: Michael Gooseman (Hull/UK)

Martijn van Dorp (Amsterdam/NL)

Award: ESTS – Junior Poster Prize. Complimentary registration for 31st European Conference on General Thoracic Surgery 2023. This prize is offered for the best poster presentation

17:00-17:03

P-001 - Analysis of the tumour immune microenvironment in resected oligometastatic Non Small Cell Lung Cancer (NSCLC)

Giovanni Bocchialini, Letizia Gnetti, Di Rienzo Gianluca, Paolo Carbognani, Balestra Valeria, Luca Musini, Sara Cattadori, Federico Illica Magrini, Nicole Pensato, Luca Ampollini
Parma/IT

17:05-17:08

P-002 - Lung volume reduction surgery in patients with mild to moderate pulmonary hypertension and non-heterogeneous emphysema

Rita Costa, Claudio Caviezel, Gian-Marco Monsch, Isabelle Opitz
Zurich/CH

17:10-17:13

P-003 - Prediction of postoperative complications in operated non-small cell lung cancer patients who were implemented a protocol of enhanced recovery after surgery

Gizem Ozcibik Isik, Merve Ekinici Fidan, Burcu Kilic, Hasan Volkan Kara, Ezel Ersen, Mehmet Kamil Kaynak, Akif Turna
Istanbul/TR

17:15-17:18

P-004 - Survival after resection of colorectal lung metastases: the impact of previous liver metastasectomy.

Boris Galjart^{1,2}, Yannick M. Meyer², Paul D. Gobardhan¹, Hans G.w. De Groot¹, Dirk J. Grünhagen³, Arjen M. Rijken¹, Jan H. Wijsman¹, Ninos Ayez¹, Lex P.w.m. Maat², Cornelis Verhoef², Eelco J. Veen¹

¹Breda/NL, ²Rotterdam/NL, ³Breda/NL

17:20-17:23

P-005- Intrapleural thermochemotherapy to control malignant pleura mesothelioma

Yameng Hao, Louis-Emmanuel Chriqui, Aspasia Gkasti, Christophe Gattlen, Michel Gonzalez, Thorsten Krueger, Paul Dyson, Etienne Meylan, Sabrina Cavin, Jean Perentes
Lausanne/CH

17:25-17:28

P-006- Genetic driver alterations of primary oligometastatic non-small cell lung cancer are commonly preserved in brain metastases

Raphael S. Werner¹, Alex Soltermann², Holger Moch³, Michael Weller⁴, Luca Regli⁵, Alessandra Curioni-Fontecedro⁶, Isabelle Opitz¹

¹Zurich/CH, ²Neuchâtel/CH, ³Zurich/CH, ⁴Zurich/CH,

⁵Zurich/CH, ⁶Zurich/CH

17:30-17:33

P-007- Sarcopenia and mediastinal adipose tissue as a prognostic marker for short and long-term outcome after anatomic video-assisted thoracoscopic resection for lung cancer

Florian Ponholzer, Georg Groemer, Caecilia Ng, Herbert Maier, Paolo Lucciarini, Dietmar Öfner, Florian Augustin
Innsbruck/AT

17:35-17:38

P-008 - Splenectomy during esophageal resection and gastric pull-up. influence on the perioperative course and on long-term survival

Andrej Roj
Graz/AT

17:40-17:43

P-009 - Impact of pulmonary artery pressure on early outcomes and survival after lung transplantation in patients with chronic obstructive pulmonary disease

Eloisa Ruiz, Paula Moreno, David S. Poveda, Francisco Javier González, Juan Luis Parraga, Antonio Alvarez
Córdoba/ES



SCIENTIFIC PROGRAM - SUNDAY 19 JUNE

YANGTZE TERRACE

17:45-17:48

P-010 - Esophageal stenting as a bridge to surgery in the neoadjuvant setting in curative-intent esophagectomy: a propensity-score analysis

Stephan Soder , David Levi , Yasmine Labad , Clare Pollock ,
Pasquale Ferraro , Edwin Lafontaine , Jocelyne Martin , Basil Nasir,
Moishe Liberman
Quebec/CA

17:50-17:53

P-011- Predictors of recurrence and disease-free survival in radically resected pulmonary carcinoids

Marc Spils^{1,2} , Dagmar Krenbek³ , Igor Jankovic^{1,2} , Lisa Schulte^{1,2} ,
Tibor Krajc^{1,2} , Michal Benej^{1,2} , Vladyslav Getman^{1,2} , José Ruiz
Navarrete^{1,2} , Ahmet Akan^{1,2} , Michael R. Mueller^{1,2,4} , Stefan B.
Watzka^{1,2,5}

¹Vienna/AT, ²Vienna/AT, ³Vienna/A, ⁴Vienna/AT, ⁵Salzburg/AT

17:55-17:58

P-012 - Primary mediastinal ewing's sarcoma: post hoc analysis from two international multicenter prospective randomized trials

Theresa Stork , Andreas Ranft , Clemens Aigner , Uta Dirksen,
Stéphane Collaud
Essen/DE

30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - MONDAY 20 JUNE

KING WILLEM ALEXANDER



INNOVATIVE/EXPERIMENTAL I SESSION II

MONDAY, 20 JUNE 2022 08:00 - 09:00 h •

KING WILLEM ALEXANDER

Chairs: Nizar Asadi (London/UK)
Yolonda Colson (Boston/US)

Award: ESTS-Grillo Award €1000 for Best Overall
Innovative/Experimental Abstract in Sessions
Innovative/Experimental I and II



08:00-08:07

O-007 - Comparison of two bioabsorbable surgical patches in the treatment of air leak: a single-centre, single-blind, randomized, prospective trial

Sandrine Dackam, Aljaz Hojski, Makhmudbek Mallaev,
Zeljko Djakovic, Mark Wiese, Deborah Vogt, Helga
Bachmann, Didier Lardinois
Basel/CH



08:10-08:17

O-008 - Cytokine adsorption after in-vivo reperfusion does not attenuate allograft ischemia-reperfusion injury in a porcine left lung transplantation model

Anna Elisabeth Frick¹, Michaela Orlitová¹, Arno
Vanstapel², Sandra Claes³, Dominique Schols³,
Caroline Mathyssen², Robin Vos², Geert Verleden², Bart
Vanaudenaerde², Stijn Verleden⁴, Laurens Ceulemans⁵,
Dirk E. Van Raemdonck⁵, Arne P. Neyrinck¹

¹Leuven/B, ²Leuven/BE, ³Leuven/BE,

⁴Antwerp/BE, ⁵Leuven/BE



08:20-08:27

O-009 - The left upper lobe challenge in Video Assisted Thoracoscopic Surgery (VATS) – better assessment of simulated lobectomy using a composite score

Tamim Ahmad Haidari, Flemming Bjerrum (3,2), Søren
Grimstrup, Henrik Jessen Hansen, Lars Konge (4,2),
René Horsleben Petersen
Copenhagen/DK



08:30-08:37

O-010 - Gender differences in medicare payments to general thoracic surgeons in 2019

SangMin Kim, Sun Kim, Sue X. Wang, Darren S. Bryan,
Ruhi Kanwar, Raphael Bueno, M. Blair Marshall
Boston/US



08:40-08:47

O-011 - Alaska pollock gelatin sealant shows good biocompatibility in pulmonary air leak models using Rats

Takahiro Yanagihara, Naoki Maki, Tomoyuki Kawamura,
Naohiro Kobayashi, Yukinobu Goto, Hideo Ichimura,
Shiharu Watanabe, Tetsushi Taguchi, Yukio Sato
Tsukuba/JP



08:50-08:57

O-012 - Prospective feasibility study evaluating a novel wireless localization technique for deeply located small pulmonary lesion under thoracoscopy: radiofrequency identification marking system - ONLINE

Yojiro Yutaka, Hidenao Kayawake, Satona Tanaka, Yoshito
Yamada, Akihiro Ohsumi, Daisuke Nakajima, Masatsugu
Hamaji, Toshi Menju, Hiroshi Date
Kyoto/JP



REPORT OF THE DIRECTOR OF THE ANNUAL MEETING



MONDAY, 20 JUNE 2022 09:00 - 09:15 h •

KING WILLEM ALEXANDER

René Horsleben Petersen (Copenhagen/DK)





SCIENTIFIC PROGRAM - MONDAY 20 JUNE

KING WILLEM ALEXANDER



BROMPTON SESSION IV

MONDAY, 20 JUNE 2022 09:15 - 10:45 h •

KING WILLEM ALEXANDER

Chairs: Alessandro Brunelli (Leeds/UK)
Hasan Batirel (Istanbul/TR)
Eric Lim ((London/UK))

Jury: Pierre Emmanuel Falcoz (Strasbourg/FR)
Enrico Ruffini (Torino/IT)
Eric Lim ((London/UK))

Award: ESTS Brompton Prize € 2000 for Best
Abstract by First Author ESTS member



09:45-09:52

B-021 - Time-to-surgery in early-stage Non Small Cell Lung Cancer (NSCLC) patients and the delay caused by the Coronavirus-19 (COVID-19) pandemic

Áron Kristóf Ghimesy^{1,2}, Márton Csaba¹, Sára Laloty¹, Gábor Elemér Tarsoly^{1,2}, Hanna Rita Tihanyi^{1,2}, Kristóf Csende^{1,2}, Péter Géza Radeczky^{1,2}, Balázs Gieszer^{1,2}, Levente Bogyó, Klára Török^{1,2}, László Tibor Mészáros^{1,2}, Rita Horváth¹, Ágnes Czimbalmos¹, Áron Gellért^{2,3}, Bence Ferencz^{2,3}, Zsolt Megyesfalvi^{2,3}, Balázs Döme^{2,1,4}, Ákos Kocsis^{1,3}, László Agócs^{1,2,3}, Ferenc Rényi-Vámos^{1,2,3}

¹ Budapest/HU, ² Budapest/HU, ³ Budapest/HU, ⁴ Vienna/AU

Discussant: Ricardo Mingarini Terra (Sao Paulo/BR)



09:15-09:22

B-019 - Risk factors for conversion during video-assisted thoracic surgery – the epithor conversion score

Alex Fourdrain¹, Olivier Georges², Dominique Gossot³, Pierre-Emmanuel Falcoz⁴, Jacques Jougon⁵, Jean-Marc Baste⁶, Charle-Henri Marty-Ané⁷, Pascal Berna²

¹ Marseille/FR, ² Amiens/FR, ³ Paris/FR, ⁴ Strasbourg/FR,

⁵ Bordeaux/FR, ⁶ Rouen/FR, ⁷ Montpellier/FR

Discussant: Erik de Loos (Heerlen/NL)



10:00-10:07

B-022 - Operating time: an independent and modifiable risk factor for short-term complications after videothoracoscopic pulmonary lobectomy

M. Teresa Gomez-Hernandez, Clara Forcada, Gonzalo Varela, Marcelo F. Jimenez

Salamanca/ES

Discussant: Jozsef Furak (Szeged/HU)



10:15-10:22

B-023 - Fluorescence quantitative assessment of blood perfusion in the gastric conduit to reduce the anastomotic leakage after esophagectomy: a prospective randomized controlled trial - ONLINE

Wenwu He, Yongtao Han, Lin Peng, Wenguang Xiao, Chenghao Wang, Haojun Li

Chengdu/CN

Discussant: Hasan Batirel (Istanbul/TR)



09:30-09:37

B-020 - Comparison of bipolar vessel sealer to conventional electrocoagulation in video-assisted thoracoscopic surgery lobectomy

Piotr Gabryel, Mariusz Kasprzyk, Magdalena Roszak, Pawel Zielinski, Szymon Smolinski, Cezary Piwkowski Poznan/PL

Discussant: Scott Swanson (Boston/US)



10:30-10:37

B-024 - Can rhomboid intercostal block be an alternative to paravertebral block in video-assisted thoracoscopic surgeries?: a randomized prospective non-inferiority study

Mete Manici¹, Belitsu Salgin¹, Serhan Tanju¹,

Sukru Dilege¹, Yavuz Gurkan¹, Hesham Elsharkawy²

¹ Istanbul/TR, ² Ohio/US

Discussant: Nicolas Moreno (Madrid/ES)

30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - MONDAY 20 JUNE

KING WILLEM ALEXANDER



INVITED LECTURE

MONDAY, 20 JUNE 2022 11:15 - 11:45 h •
KING WILLEM ALEXANDER

THE EXCEPTIONAL POTENTIAL OF SHARED DECISION MAKING

Glyn Elwyn (Hanover/US)

Professor and Physician-Researcher, Dartmouth Institute
for Health Policy and Clinical Practice



INTRODUCTION TO THE PRESIDENT

MONDAY, 20 JUNE 2022 11:45 - 11:55 h •
KING WILLEM ALEXANDER

Isabelle Opitz (Zurich/CH)
President Elect



PRESIDENTIAL ADDRESS

MONDAY, 20 JUNE 2022 12:00 - 12:30 h •
KING WILLEM ALEXANDER

SAWUBONA: BRIDGING EMOTIONAL AND COGNITIVE GAPS THROUGH PERSPECTIVE TAKING

Alessandro Brunelli (Leeds/UK)
ESTS President



PULMONARY NEOPLASTIC I - (EARLY STAGE LUNG CANCER) SESSION V

MONDAY, 20 JUNE 2022 13:30 - 14:30 h •
KING WILLEM ALEXANDER

Chairs: David Heineman (Amsterdam/NL)
Fernando Vannucci (Rio de Janeiro/BR)

Award: ESTS-AATS Foundation Excellence
Award – 2000 EUR

Awarded for the Best Overall Scientific
Contribution in Pulmonary Neoplastic I/
Pulmonary Neoplastic II sessions



13:30-13:37

**0-025 - Local control and short-term outcomes
after Video Assisted Thoracoscopic Surgery (VATS)
segmentectomy vs lobectomy for PT1C PNO R0 NON
Small Cell Lung Cancer (NSCLC)**

Abdelnour-Berchtold Etienne¹, Benoît Bédard², Celine
Forster¹, Jean Perentes¹, Marc-Olivier Sauvain³, Michel
Christodoulou⁴, Frédéric Triponez², Wolfram Karenovics²,
Thorsten Krueger¹, Michel Gonzalez¹

¹ Lausanne/CH, ² Genève/CH ³ Neuchâtel/CH, ⁴ Sion/CH

13:40-13:47

**0-026 - Prognostic comparison of segmentectomy
and lobectomy following the increase of examined
lymph nodes in node-negative non-small cell lung
patients - ONLINE**

Jiafei Chen, Chang Gu, Chenyang Dai, Chang Chen
Shanghai/CN



13:50-13:57

**0-027 - Peripheral location of lung cancer is
associated with higher local disease recurrence**

Alex Fourdrain, Vassili Anastay, Vanessa Pauly, Xavier-
Benoît D'Journo, David Boulate, Pascal-Alexandre Thomas
Marseille/FR



14:00-14:07

**0-028 - Prognostic value of adding blood and
lymphatic vessel invasion to the 8th classification of
tnm in lung cancer in stages I and II.**

Gemma María Muñoz Molina, Sara Fra Fernández,
Alberto Cabañero Sánchez, Cristina Cavestany García-
Matres, Alfonso Muriel García, Usue Caballero Silva, Luis
Gorospe Sarasúa, David Saldaña Garrido, Amparo Benito
Berlínches, Nicolás Moreno Mata
Madrid/ES



SCIENTIFIC PROGRAM - MONDAY 20 JUNE

KING WILLEM ALEXANDER

- 14:10-14:17**
0-029 - Prognostic impact of tumor volume doubling time in clinical t1 non-small cell lung cancer with pure-solid radiological findings
Kenta Nakahashi, Takayuki Sasage, Makoto Endo, Satoshi Shiono
 Yamagata/Jp
- 14:20-14:27**
0-030 - Segmentectomy versus lobectomy for the treatment of inner located small-sized early non-small-cell lung cancer - ONLINE
Shinya Tane¹, Yoshitaka Kitamura¹, Kazuya Uchino², Wataru Nishio¹
¹ Akashi/Jp, ² Osaka/Jp
- 14:30-14:37**
0-031 - The utility of validated prognostic scores to predict outcomes in patients bridged to lung transplantation with extracorporeal life support
Eleonora Faccioli^{1,2}, Giulia Lorenzoni³, Didier Schneiter², Andrea Dell'Amore¹, Sven Hillinge², Marco Schiavon¹, Claudio Caviglioli¹, Federico Rea¹, Isabelle Opitz², Ilhan Inci²
¹ Padova/IT, ² Zurich/CH, ³ Padova/IT
 Discussant: **Paula Moreno Casado** (Córdoba/ES)
- 14:45-14:52**
0-032 - Upgraded from ct1a-c to pt2a lung cancer, related to visceral pleural invasion, after segmentectomy: is it an indication to complete resection to lobectomy?
Joseph Lula Lukadi¹, Alessio Vincenzo Mariolo¹, Dominique Gossot¹, Jean-Marc Baste^{2,3}, Bertrand De Latour⁴, Agathe Seguin-Givelet^{1,5}
¹ Paris/FR, ² Rouen/FR, ³ Rouen/FR, ⁴ Rennes/FR, ⁵ Bobigny/FR
 Discussant: **Frank Detterbeck** (New Haven/US)
- 15:00-15:07**
0-033 - Adjuvant transthoracic negative pressure ventilation in non-intubated thoracoscopic surgery
Riccardo Taje, Eleonora Fabbi, Roberto Sorge, Stefano Elia, Mario Dauri, Eugenio Pompeo
 Rome/IT
 Discussant: **Diego Gonzalez Rivas** (Coruña/ES)
- 15:15-15:22**
0-034 - Multimodality therapy for lung cancer with chest wall invasion: an epithor database study
Jérémy Tricard¹, Pascal Alexandre Thomas²
¹ Limoges/FR, ² Marseille/FR
 Discussant: **Kostas Papagiannopoulos** (Leeds/UK)
- 15:30-15:37**
0-035 - Effect of laterality on the postoperative survival of non-small cell lung cancer patients undergoing pneumonectomy. - ONLINE
Ziming Wang, Diego Gonzalez-Rivas, Mahmoud Ismail
 Potsdam/DE
 Discussant: **Pascal Thomas** (Marseille/FR)
- 15:45-15:52**
0-036 - Validation of the modified eurolung risk prediction models in The Netherlands, using data from the Dutch Lung Cancer Audit
Nienke Wolthagen¹, Ronald Damhuis², Ad Verhagen³, Willem-Hans Steup⁴, Hermien Schreurs⁵, David Heineman⁶
¹ Amsterdam/NL, ² Amsterdam/NL, ³ Nijmegen/NL, ⁴ The Hague/NL, ⁵ Alkmaar/NL, ⁶ Amsterdam/NL
 Discussant: **Zalan Szanto** (Pecs/HU)

YOUNG INVESTIGATORS AWARD SESSION VI
MONDAY, 20 JUNE 2022 14:30 - 16:00 h ·
KING WILLEM ALEXANDER
Chairs: Gaetano Rocco (New York/US)
 Alex Fourdrain (Marseille/FR)

Jury: Pierre Emmanuel Falcoz (Strasbourg/FR)
 Alex Fourdrain (Marseille/FR)
 Gaetano Rocco (New York/US)

Award: YIA €2000 for Best Research Paper by first author < 35 years, ESTS Member

SCIENTIFIC PROGRAM - MONDAY 20 JUNE

KING WILLEM ALEXANDER



MITIG VATS RESECTION SESSION VII

MONDAY, 20 JUNE 2022 16:30 - 18:00 h -
KING WILLEM ALEXANDER

Chairs: Florian Augustin (Innsbruck/AT)
Cezary Piwkowski (Poznan/PL)



16:30-16:37

0-037 - Uni-portal Video Assisted Thoracoscopic Surgery (VATS) anatomical segmentectomies: a comparison of long-term outcomes with matched lobectomy patients

Priyad Ariyaratnam, John Edwards, Jagan Rao, Sara Tenconi, Mohamed Komber, Sanjay Agrawal, Laura Soggi
Sheffield/UK



16:40-16:47

0-038 - Is nodal upstaging during Video Assisted Thoracoscopic Surgery (VATS) related to surgeon experience? Results from a large prospective national database

Marco Chiappetta¹, Diomira Tabacco¹, Filippo Lococo¹, Carlo Curcio², Roberto Crisci³, Isabella Sperduti⁴, Dania Nachira¹, Elisa Meacci¹, Federico Rea⁵, Stefano Margaritora¹, On Behalf Of VATS Group Italy⁶
¹Rome, IT ²Naples/IT, ³L'Alquila/IT, ⁴Rome/IT, ⁵Padova/IT ⁶Rome/IT



16:50-16:57

0-039 - Energy devices versus electrocoagulation in video-assisted thoracoscopic lobectomy: a propensity-match cohort study

Federico Femia, Francesco Guerrera, Eleonora Della Beffa, Ludovica Balsamo, Paraskevas Lyberis, Riccardo Carlo Cristofori, Aurora Lena, Martina Gallo, Erika Passone, Enrico Ruffini
Turin/IT



17:00-17:07

0-040 - Sleeve lobectomy in non-small cell lung cancer patients: a report from the European Society of Thoracic Surgery database 2021

Michel Gonzalez¹, Louis-Emmanuel Chiriqui¹, Herbert Décaluwé², Clemens Aigner³, Ferenc Rényi-Vámos⁴, Isabelle Schmitt-Opitz⁵, Jozsef Furak⁶, Zalan Szanto⁷, Alessandro Brunelli⁸, Pierre-Emmanuel Falcoz⁹

¹Lausanne/CH, ²Leuven/BE, ³Essen/DE,

⁴Budapest/HU, ⁵Zurich/CH, ⁶Szeged/HU, ⁷Pecs/HU,

⁸Leeds/UK, ⁹Strasbourg/FR



17:10-17:17

0-041 - Computed Tomography (CT)-Based sarcopenia and outcomes in patients undergoing Video-Assisted Thoracoscopic Surgery (VATS) anatomical resection for Non Small Cell Lung Cancer (NSCLC)

Arpad Hasenauer, Johan Hungerbühler, Jean Perentes, Etienne Abdelnour, Joachim Koerfer, Celine Forster, Thorsten Krueger, Fabio Becce
Lausanne/CH



17:20-17:27

0-042 - Early and late readmission after enhanced recovery thoracoscopic lobectomy

Lin Huang, Mikkel Nicklas Frandsen, Henrik Kehlet, René Horsleben Petersen
Copenhagen/DK



17:30-17:37

0-043 - Robotic assisted lobectomy versus triportal Video Assisted Thoracoscopic Surgery (VATS) lobectomy: a monocentric prospective randomized trial

Luzzi Luca, Roberto Corzani, Lisa De Leonibus, Emanuele Addamo, Angela Galgano, Marco Ghisalbetti, Piero Paladini, Edoardo Zanfrini
Siena/IT



30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - MONDAY 20 JUNE

KING WILLEM ALEXANDER



17:40-17:47

O-044 - Uniportal (single-port) versus 3-port vats for anatomical lung resections. the sin-3-port trial

Aris Koryllos, Alberto Pastorini Lopez, Thomas Galletin, Julika Merres, Hannah Despang, Rachel Klamer, Erich Stoelben

Cologne/DE



GENERAL ASSEMBLY

MONDAY, 20 JUNE 2022 18:00 - 18:45 h •



KING WILLEM ALEXANDER

Transfer of the Presidency



17:50-17:57

O-045 - Comparison of short-term outcomes between robotic-assisted and video-assisted segmentectomy: a propensity score matching study

Hao-Xian Yang, Mu-Zi Yang, Zi-Hui Tan, Ji-Bin Li, Hao Long, Jian-Hua Fu, Lan-Jun Zhang, Peng Lin

Guangzhou/CN

SCIENTIFIC PROGRAM - MONDAY 20 JUNE

MISSISSIPPI



MIXED THORACIC I SESSION III

MONDAY, 20 JUNE 2022 08:00 - 09:00 h •
MISSISSIPPI

Chairs: Michael Rolf Mueller (Vienna/AT)
Tomaz Stupnik (Ljubljana/SL)

08:00-08:07

0-013 - Effects of virtual postoperative post-discharge care in patients undergoing lung resection during the Coronavirus-19 (COVID-19) pandemic

Gileh-Gol Akhtar-Danesh , Allison Chhor , Housne Begum
Jocelyne Efua Ewusie , John Agzarian , Christian Finley ,
Wael Hanna , Lawrence Mbuagbaw , Yaron Shargall
Hamilton/CA

08:10-08:17

0-014 - The clinical spectrum of “unnecessary” surgery in the setting of suspicious solitary lung nodules and opacities without preoperative tissue diagnosis

Elsa Armand, Boulate David, Fourdrain Alex, Braggio
Cesare, Trousse Delphine, Doddoli Christophe, D'Journo
Xavier-Benoit, Thomas Pascal-Alexandre
Marseille/FR

08:20-08:27

0-015 - Trends in age- and sex-specific lung cancer mortality in europe and northern america: analysis of vital registration data from the World Health Organisation (WHO) mortality database between 2000 and 2017

Philip Baum, Hauke Winter , Martin Eichhorn,
Jacopo Lenzi
Heidelberg/DE

0-016 - 08:30-08:37

The modified surgical appgar score predicts postoperative complication and survival among lung cancer patients undergoing surgery

Haruaki Hino , Satoshi Hagihira , Natsumi Maru , Takahiro
Utsumi , Hiroshi Matsui , Yohei Taniguchi , Tomohito Saito ,
Murakawa Tomohiro
Osaka/JP

08:40-08:47

0-017 -Pulmonary resection for lung cancer patients with heart failure with reduced ejection fraction: clinical outcomes and long-term survival results

Min Soo Kim , Tae Hee Hong , Yang Hyun Cho , Jong Ho
Cho , Young Mog Shim , Yong Soo Choi , Hong Kwan Kim ,
Sumin Shin , Jhngook Kim
Seoul/KR

08:50-08:57

0-018 - National lung cancer screening program feasibility study

Tanel Laisaar^{1,2} , Piret Viiklepp³ , Tarvo Kiudma⁴ , Urmas
Takker⁵ , Anneli Rätsep^{2,6} , Vahur Makke¹ , Marianna Frik¹ ,
Anneli Poola¹ , Kaja-Triin Laisaar²
¹ Tartu/EE, ² Tartu/EE, ³ Tallin/EE, ⁴ Tartu/EE,
⁵ Tartu/EE, ⁶ Tartu/EE



SCIENTIFIC PROGRAM - MONDAY 20 JUNE

MISSISSIPPI

● TRACHEAL AND AIRWAY SURGERY SESSION IN CO-OPERATION WITH THE BRAZILIAN SOCIETY OF THORACIC SURGERY (SBCT)

MONDAY, 20 JUNE 2022 13:30 - 14:30 h • MISSISSIPPI

Chairs: Konrad Hoetzenecker (Vienna/AT)
Paulo Francisco Guerreiro Cardoso (Sao Paulo/BR)

IDIOPATHIC SUBGLOTTIC STENOSIS

13:30-13:40

Pathophysiology and non-surgical treatment

Benoit Jacques Bibas (Sao Paulo/BR)

13:40-13:50

Surgical treatment options

Konrad Hoetzenecker (Vienna/AT)

13:50-13:55

Discussion

TRACHEAL MALIGNANCIES

13:55-14:05

Diagnosis, types of tumours, role of neoadjuvant therapy

Thomas Schweigert (Vienna/AT)

14:05-14:15

Surgical techniques and outcomes

Cristiano F. Andrade (Porto Alegre/BR)

● ROBOTIC SURGERY. SESSION IN CO-OPERATION WITH SOCIETY OF THORACIC SURGEONS (STS)

MONDAY, 20 JUNE 2022 14:30 - 15:30 h • MISSISSIPPI

Chairs: Alper Toker (Morgantown/US)
Margaret Blair Marshall (Boston/US)

14:30-14:42

Robotic First Rib resection

Bryan Michael Burt (Houston/US)

14:45-14:57

Robotic esophagectomy

Robert Merritt (Columbus/US)

15:00-15:12

Robotic complex mediastinal mass resections

Jens Rueckert (Berlin/DE)

15:15-15:27

New Robots in the market

Joel Dunning (Middlesbrough/UK)

SCIENTIFIC PROGRAM - MONDAY 20 JUNE

MISSISSIPPI



ESOPHAGEAL SESSION

MONDAY, 20 JUNE 2022 16:00 - 17:00 h • MISSISSIPPI

Chairs: Hasan Batirel (Istanbul/TK)
Lieven Depypere (Leuven/BE)

16:00-16:20

Quality improvement of an Esophageal Surgery program

Daniela Molena (New York/US)

16:20-16:40

Esophageal perforation - is a guideline approach possible?

Lieven Depypere (Leuven/BE)

16:40-17:00

Discussion



FIT TO PERFORM SESSION

MONDAY, 20 JUNE 2022 17:00 - 18:00 h • MISSISSIPPI

Chairs: Hermien Schreurs (Alkmaar/NL)
Sridhar Rathinam (Leicester/UK)

17:00-17:05

Welcome and participant survey

Hermien Schreurs (Alkmaar/NL)

Sridhar Rathinam (Leicester/UK)

17:05-17:10

Importance of Surgeon's fitness to perform

Hermien Schreurs (Alkmaar/NL)

17:10-17:20

Physical fitness

Maninder Kalkat (Birmingham/UK) - **ONLINE**

17:20-17:30

How our diet can help us to perform better

Martin Bennis (Alkmaar/NL)

17:30-17:40

Mental fitness and mindfulness

Carter Lebares (San Francisco/US) - **ONLINE**

17:40-17:50

Make the change and stay fit to perform

Sridhar Rathinam (Leicester/UK)

17:50-18:00

Discussion



SCIENTIFIC PROGRAM - MONDAY 20 JUNE

YANGTZE



SUNRISE SEMINAR 1

MONDAY, 20 JUNE 2022 07:00 - 07:50 h ·

YANGTZE

Chairperson: Nuria Novoa (Salamanca/ES)

- Old patients and fragility:
the new crucial preoperative variable to evaluate
Tim Batchelor (Bristol/UK)

ONYX



SUNRISE SEMINAR 2

MONDAY, 20 JUNE 2022 07:00 - 07:50 h ·

ONYX

Chairperson: Marcelo Jimenez (Salamanca/ES)

- Preoperative electromagnetic bronchoscopy
in the hybrid OR
Kelvin Lau (London/UK)

YANGTZE TERRACE



POSTER SESSION-MODERATED

MONDAY, 20 JUNE 2022 17:00 - 18:00 h

YANGTZE TERRACE

Chairs: Alessandro Bertani (Palermo/IT)
Peter Juhos (Bratislava/SK)

Award: ESTS Poster Prize € 500 for the best poster presentation

17:00-17:03

P-013 - Outcome of emergency lobectomy under extracorporeal membrane oxygenation (ECMO) support in patients with severe Coronavirus-19 (COVID-19) disease
Ana Beatriz Almeida¹, Michael Schweigert¹, Peter Spieth², Attila Dubecz³, Marcelo Gama De Abreu⁴, Patrick Kellner¹

¹ Lübeck/DE, ² Dresden/DE, ³ Nuremberg/DE, ⁴ Cleveland/US

17:05-17:08

P-014 - The hypothetical role of the oxidative stress in the neuroendocrine lung tumors
Luigi Gaetano Andriolo^{1,2}, Alessandra Spagnoli³, Vittoria Cammisotto⁴, Danilo Alunni Fegatelli³, Michele Chicone⁵, Gaetano Di Rienzo¹, Vladimiro Dell'Anna⁶, Giambattista Lobreglio⁵, Giovanni Serio⁶, Pasquale Pignatelli⁴

¹ Lecce/IT, ² Rome/IT, ³ Rome/IT, ⁴ Rome/IT, ⁵ Lecce/IT, ⁶ Lecce/IT

17:10-17:13

P-015 - Cancer stem cells and cell cycle genes as independent predictors of relapse in non-small cell lung cancer: secondary analysis of a prospective cohort study
Valentina Masciale, Federico Banchelli, Giulia Grisendi, Roberto D'Amico, Antonino Maiorana, Uliano Morandi, Franco Stella, Massimo Dominici, Beatrice Aramini
Forlì/IT

17:15-17:18

P-016 - Long-term oncological outcomes of complex sleeve lobectomy for non-small-cell lung cancer
Stefano Bongiolatti, Giovanni Mugnaini, Arianna Farronato, Sara Borgianni, Domenico Viggiano, Alessandro Gonfiotti, Luca Voltolini
Florence/IT

17:20-17:23

P-017 - Less is more? a multi-institutional experience with Computed Tomography (CT)-guided transthoracic tracers for intraparenchymal lung lesions
Niccolò Daddi¹, Andrea Dell'Amore², Marco Andolfi³, Rossella Potenza⁴, Marialuisa Lugaresi⁵, Gabriella Roca², Leonardo Valentini¹, Chiara Catelli², Francesco Buia⁶, Giampiero Dolci¹, Majed Refai³, Francesco Puma⁴, Federico Rea²
¹ Bologna/IT, ² Padua/IT, ³ Ancona/IT, ⁴ Perugia/IT, ⁵ Bologna/IT, ⁶ Bologna/IT

SCIENTIFIC PROGRAM - MONDAY 20 JUNE

YANGTZE TERRACE

17:25-17:28

P-018 - How demographics and treatment of neuroendocrine tumors of the lung have been changing across the years: lesson learned from the European Society Of Thoracic Surgeons (ESTS) lung Neuroendocrine Tumor (NETS) database

Pier Luigi Filosso¹, Stefano Passani², Silvia Cicconi³, Danilo Pellicano³, Alessandro Brunelli⁴, Pierre-Emmanuel Falcoz⁶, Zalan Szanto⁶

¹ Torino/IT, ² London/UK, ³ Bologna/UK, ⁴ Leeds/UK,

⁵ Strasbourg/FR, ⁶ Pecs/HU

17:30-17:33

P-019 - Thymectomy or thymothymectomy for non-myasthenic patients with stage I Thymoma

Gökhan Kocaman, Betül Bahar Kazak, Buse Mine Konuk Balci, Yusuf Kahya, Bülent Mustafa Yenigün, Ayten Kayi Cangir
Ankara/TR

17:35-17:38

P-020 - Percutaneous transeptal Extracorporeal Membrane Oxygenation (ECMO) to rescue a failing right ventricle in an animal model

Ian Makey¹, Sanjay Chaudhary¹, Brad Case², Catherine Monger², ZuoRui Song¹, James Johnson¹, Pramod Guru¹, Si Pham¹, Peter Pollak¹

¹ Jacksonville/US, ² Gainesville/US

17:40-17:43

P-021 - Endoscopic treatment of esophageal fistulas by injection of emulsified adipose tissue stromal vascular fraction: preliminary results

Dania Nachira, Ivo Boskoski, Angelo Trivisonno, Gabriele Toietta, Guido Costamagna, Stefano Margaritora, Venanzio Porziella
Rome/IT

17:45-17:48

P-022 - Implementation of the versius robotic surgical system for general thoracic surgery, early experience

Mario Nosotti, Margherita Cattaneo, Alessandro Palleschi, Francesco Damarco, Valeria Musso, Cristina Diotti, Lorenzo Rosso

Milano/IT

17:50-17:53

P-023 - Impact of surgical safety checklist compliance in near misses, incident detection and 30 day-complications in thoracic surgery: an observational study

María Rodríguez, Lucía Milla Collado, Sara Hernández Calvo, Beatriz Moreno Morueco, Cristina Criado Tamayo, María Teresa Ordovás, Ruth De La Vega Antúnez, Jorge M. Núñez-Córdoba, Inés María Luque Vázquez

Madrid/ES

17:55-17:58

P-024 - Clinicopathological features and survival analysis of patients with pathological complete response and major response after neoadjuvant/induction therapy

Hüseyin Melek, Erhan Özer, Elçin Süleymanoglu, Tolga Evrim Sevinç, Adem Deligönül, Ahmet Sami Bayram, Türkan Evrensel, Cengiz Gebitekin

Bursa/TR

18:00-18:03

P-025 - Learning curve for thoracoscopic lobectomy: do patients have the same long-term survival chance?

Domenico Viggiano, Alessandro Gonfiotti, Stefano Bongiolatti, Sara Borgianni, Ottavia Salimbene, Dario Petrone, Luca Voltolini

Florence/IT



SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

KING WILLEM ALEXANDER



PULMONARY NEOPLASTIC II (ADVANCED STAGE LUNG CANCER) SESSION VIII

TUESDAY, 21 JUNE 2022 08:00 - 09:30 h •

KING WILLEM ALEXANDER

Chairs: Henrik Hansen (Copenhagen/DK)
Laureano Molins (Barcelona/ES)

Award: ESTS-AATS Foundation Excellence Award – 2000 EUR
Awarded for the Best Overall Scientific Contribution in Pulmonary Neoplastic I/ Pulmonary Neoplastic II sessions



08:00-08:07

0-046 - Log-odds ratio of resected and positive lymph nodes defines prognosis independently of n-descriptors in resectable Non Small Cell Lung Cancer (NSCLC)

Michal Benej, Thomas Klikovits, Tibor Krajc, Tomas Bohanes, Lisa Schulte, Maximilian Hochmair, Stefan Watzka, Berta Mosleh, Konrad Hoetzenecker, Alireza Hoda, Michael Rolf Mueller
Vienna/AT



08:10-08:17

0-047 - Is the burden of the metastatic lymph node stations a prognostic factor in resected lung cancer patients? a multicenter study with validation in t stage Necati Citak¹, Volkan Erdogan², Yunus Aksoy², Aysegül Ciftci², Nisa Yildiz², Özgür Işgörücü², Servet Özdemir³, Selcuk Köse³, Kenan Can Ceylan¹, Muzaffer Metin² ¹Izmir/TK, ²Istanbul/TR, ³Istanbul/TR



08:20-08:27

0-048 - Survival effects of nx versus n0 nodal stage in early stage non-small-cell lung cancer: a population-based study

Zacharie Cloutier, Christian Finley, Gileh-Gol Akhtar-Danesh, Noori Akhtar-Danesh
Hamilton/CA



08:30-08:37

0-049 - Positive parenchymal margin after non-small cell lung cancer resection: is there an impact on overall survival?

Francois Khazoom, Caitlin Anstee, Urmila Bhattacharyya, Sebastien Gilbert, Donna Elizabeth Maziak, Andrew J. Seely, Sudhir Sundaresan, Patrick James Villeneuve
Ottawa/CA



08:40-08:47

0-050 - The impact of Cytokeratin 7 (CK7) on long term survival in lung cancer patients

Hruy Menghesha, Amina Camo, Fabian Doerr, Andres Amorin Estremadoyro, Georg Schlachtenberger, Matthias Heldwein, Thorsten Wahlers, Khosro Hekmat
Cologne/DE



08:50-08:57

0-051 - Does pleural invasion correlate with nodal upstaging and N2 skip metastasis?

Fabio Eiti Nishibe Minamoto, Eserval Rocha Junior, Pedro Henrique Xavier Nabuco, Alberto Jorge Monteiro Dela Vega, Leticia Leone Lauricella, Paula Duarte D'Ambrosio, Paulo Manoel Pêgo Fernandes, Ricardo Mingarini Terra
Sao Paulo/BR



09:00-09:07

0-052 - Epidermal growth factor receptor (EGFR) tyrosine kinase inhibitor as first-line treatment for postoperative recurrence of egfr-mutated lung adenocarcinoma: a multicenter retrospective study **ONLINE**

Ryo Miyata¹, Masatsugu Hamaji¹, Yumeta Shimazu², Masashi Ishikawa², Hidenao Kayawake¹, Toshi Menju¹, Masashi Kobayashi³, Norihito Okumura³, Yasuto Sakaguchi⁴, Makoto Sonobe⁴, Akira Matsumoto⁵, Hiromichi Katakura⁵, Ryota Sumitomo⁶, Cheng-Long Huang⁶, Mamoru Takahashi⁷, Akihiro Aoyama⁷, Tomoya Kono⁸, Ryo Miyahara⁸, Naoki Date⁹, Takuji Fujinaga⁹, Ei Miyamoto¹⁰, Tatsuo Nakagawa¹⁰, Takehisa Fukada¹¹, Hiroaki Sakai¹¹, Hiroshi Date¹
¹Kyoto/JP, ²Wakayama/JP, ³Kurashiki/JP, ⁴Osaka/JP, ⁵Otsu/JP, ⁶Osaka/JP, ⁷Kyoto/JP, ⁸Kyoto/JP, ⁹Gifu/JP, ¹⁰Tenri/JP, ¹¹Amagasaki/JP



09:10-09:17

0-053 - Oncological outcomes of upfront surgery in patients with "occult" pathological n2 non-small cell lung cancer: an international multicentre study

Elena Prisciandaro¹, Claudia Bardoni¹, Davide Tosi², Matthieu Thumerel^{3,4}, Lorenzo Spaggiari^{1,5}, Mario Nosotti^{2,6}, Jacques Jougon^{3,4}, Luca Bertolaccini¹
¹Milan/IT, ²Milan/IT, ³Pessac/FR, ⁴Bordeaux/FR, ⁵Milan/IT, ⁶Milan/IT

SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

KING WILLEM ALEXANDER



09:20-09:27

0-054 - Pathological N1/N2 in early stage bronchogenic carcinoma. analysis from a prospective multicentre database

Alejandra Romero Roman¹, Silvana Crowley Carrasco¹, Mariana Gil Barturen¹, Ana Royuela¹, Sergi Call², Carme Obiols², Jose Luis Recuero³, Iñigo Royo Crespo⁴, Raúl Embún³, David Gomez De Antonio¹

¹ Madrid/ES, ² Barcelona/ES, ³ Zaragoza/ES, ⁴ Huesca/ES



ESTS VOGT-MOYKOPF LECTURE

TUESDAY, 21 JUNE 2022 09:30 - 10:00 h •



KING WILLEM ALEXANDER

Chair: Alessandro Brunelli (Leeds/UK)

Discussant: Isabelle Opitz (Zurich/CH)

09:30-09:38

0-064 - Video-assisted thoracic surgery (vats) or thoracotomy for lung cancer surgery in obese patients? an analysis of the European Society of Thoracic Surgeons database

Francesco Guerrera^{1,2}, Alessandro Brunelli³, Pierre-Emmanuel Falcoz⁴, Pier Luigi Filosso¹, Zalan Szanto⁵, Paolo Olivo Lausi¹, Giulio Luca Rosboch², Enrico Ruffini¹

¹ Torino/IT, ² Torino/IT, ³ Leeds/UK, ⁴ Strasbourg/FR, ⁵ Pecs/HU



EXTRAORDINARY GUEST LECTURE

TUESDAY, 21 JUNE 2022 10:00 - 10:30 h •



KING WILLEM ALEXANDER

WE BY ME; TEAMWORK STARTS WITH YOURSELF

Gerd-Jan Poortman

Professional sailor



ESOPHAGUS/MEDIASTINUM SESSION X

TUESDAY, 21 JUNE 2022 11:00 - 12:00 h •

KING WILLEM ALEXANDER

Chairs: Miroslav Janik (Bratislava/SK)

Yvonne Vissers (Heerlen/NL)



11:00-11:07

0-065 - Thymectomy in severe (MGFA CLASS IV-V) generalized myasthenia gravis: is the game really worth the candle?

Debora Brascia¹, Marco Lucchi², Vittorio Aprile², Diana Bacchin², Stylianos Korasidis², Federico Rea³, Giovanni Maria Comacchio³, Eleonora Faccioli³, Maria Carlotta Marino³, Stefano Margaritora⁴, Elisa Meacci⁴, Maria Teresa Congedo⁴, Dania Nachira⁴, Giulia De Iaco¹, Angela De Palma¹, Giuseppe Marulli¹

¹ Bari/IT, ² Pisa/IT, ³ Padova/IT, ⁴ Rome/IT



11:10-11:17

0-066 - Perioperative outcomes comparison between robot-assisted and video-assisted thoracoscopic thymectomy: a single center experience - ONLINE

Deping Zhao, Haoran E, Junqi Wu, Long Xu, Chang Chen Shanghai/CN



11:20-11:27

0-067 - Risk of chylothorax following en-bloc versus selective thoracic duct ligation during esophagectomy: a propensity-matched analysis

Stephan Soder, Yasmine Labad, David Levi, Clare Pollock, Pasquale Ferraro, Edwin Lafontaine, Jocelyne Martin, Basil Nasir, Moishe Liberman Quebec/CA



11:30-11:37

0-068 - Improved quality of life of patients with localised hyperhidrosis after thoracoscopic sympathetic clipping: long term results

Denis I. Trufa, Wojciech Dudek, Horia Sirbu Erlangen/DE



SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

KING WILLEM ALEXANDER



11:40-11:47

O-069 - The rise of power: a real life introduction of powered circular stapler for esophagogastric anastomosis – cohort and propensity matched score study

Stijn Vanstraelen, Willy Coosemans, Lieven Depypere, Yannick Mandeville, Hans Van Veer, Philippe Nafteux
University Hospitals Leuven, Leuven, Belgium
Leuven/BE



11:50-11:57

O-070 - The clinical characteristics and treatment of post-esophagectomy airway fistula: a multicenter retrospective study - ONLINE

Bin Zheng, Taidui Zeng
Fuzhou/CN



TRANSPLANT/AIRWAY SESSION XIII

TUESDAY, 21 JUNE 2022 15:30 - 16:30 h ·

KING WILLEM ALEXANDER

Chairs: David G Healy (Dublin/IE)

Gilbert Massard (Luxemburg/LU)

15:30-15:37

O-083 - Comparison of living-donor lobar lung transplantation and cadaveric lung transplantation for pulmonary hypertension - ONLINE

Hiroshi Date, Hidenao Kayawake, Satona Tanaka, Yoshito Yamada, Shiro Baba, Hideyuki Kinoshita, Kazuhiro Yamazaki, Tadashi Ikeda, Kenji Minatoya, Yojiro Yutaka, Masatsugu Hamaji, Akihiro Ohsumi, Daisuke Nakajima
Kyoto/JP

15:40-15:47

O-084 - The outcome of endoscopic dilatation of benign airway stenosis in relation to Coronavirus-19 (COVID-19) infection: results of a multicenter study

Alfonso Fiorelli¹, Gaetana Messina¹, Beatrice Leonardi¹, Mary Bove¹, Antonio Noro¹, Giorgia Opromolla¹, Mario Martone¹, Rosa Mirra¹, Alfonso Pecoraro², Giuseppe Failla², Carlo Santoriello², Francesco De Blasio³, Claudio Andreotti⁴, Erino Angelo Rendina⁴, Mario Santini¹

¹ Naples/IT, ² Naples/IT, ³ Naples/IT, ⁴ Rome/IT

15:50-15:57

O-085 - Influence of de novo malignancies on long-term survival after lung transplantation

Francisco Javier González, Paula Moreno, Eloisa Ruiz, David S Poveda, Alba M Fernandez, Antonio Alvarez
Córdoba/ES

16:00-16:07

O-086 - Extubation by supraglottic airway after lobectomy prevent prolong coughing and air leakage

Hironori Ishibashi, Ryo Wakeshima, Yuri Sumi, Ryosuke Kumagai, Katsutoshi Seto, Shunichi Baba, Yasuyuki Kurihara, Kenichi Okubo
Tokyo/JP

16:10-16:17

O-087 - A novel artificial trachea using a polyglycolic acid tube in a rat cervical tracheal defect model - ONLINE

Yoshitake Murata, Yojiro Yutaka, Hidenao Kayawake, Satona Tanaka, Yoshito Yamada, Akihiro Ohsumi, Daisuke Nakajima, Masatsugu Hamaji, Toshi Menju, Hiroshi Date
Kyoto/JP

16:20-16:27

O-088 - Implanting the right lung first in off-pump sequential single-lung transplantation lowers the need for intraoperative ECMO with less primary graft dysfunction

Jan Van Slambrouck, Herbert Decaluwé, Charlotte Schoenaers, Cedric Vanluyten, Christelle M. Vandervelde, Michaela Orlitová, Janne Kaes, Paul De Leyn, Lieven Depypere, Philippe Nafteux, Hans Van Veer, Willy Coosemans, Laurent Godinas, Robin Vos, Geert M. Verleden, Arne P. Neyrinck, Tom Verbelen, Filip Rega, Bart Meyns, Dieter Dauwe, Bart M. Vanaudenaerde, Laurens J. Ceulemans, Dirk Van Raemdonck
Leuven/BE

SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

KING WILLEM ALEXANDER

UPDATES ON MULTIMODAL THERAPY IN CO-OPERATION WITH THE INTERNATIONAL ASSOCIATION FOR THE STUDY OF LUNG CANCER (IASLC)

TUESDAY, 21 JUNE 2022 13:00 - 14:00 h •

KING WILLEM ALEXANDER

Chairs: Eric Lim ((London/UK)
Ramon Rami Porta (Barcelona/ES)
Paul Van Schil (Antwerp/BE)

 13:00-13:10
Neo-adjuvant immunotherapy for early stage lung cancer
Paul Van Schil (Antwerp/BE)

 13:10-13:20
Adjuvant immunotherapy for completely resected lung cancer
Jonathan Villena-Vargas (New York/US)

 13:20-13:30
Adjuvant targeted treatments for completely resected lung cancer **ONLINE**
Yi Long Wu (Guangzhou/CN)

 13:30-13:40
Future landscape for multi-modality treatment in early stage lung cancer
Tom Newsom-Davis (London/UK)

 13:40-14:00
Discussion

TRANSPLANT SESSION

SUNDAY 19 JUNE 2022 14:30 - 15:30 h •

KING WILLEM ALEXANDER

Chairs: Laurens Ceulemans (Leuven/BE)
Paula Moreno (Cordoba/ES)

14:30-14:42
Lung transplantation after previous cardiothoracic surgery
Clemens Aigner (Dusseldorf/DE)

14:45-14:57
How to avoid ECLS-related complications during lung transplantation
Wiebke Sommer (Heidelberg/DE)

15:00-15:12
The impact of TA-NRP on the lung allograft
Dirk Van Raemdonck (Leuven/BE)

15:15-15:27
Vascular anastomosis: technical tricks for complications
Mario Nosotti (Milano/IT)



SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

MISSISSIPPI



PULMONARY NON-NEOPLASTIC SESSION IX

TUESDAY, 21 JUNE 2022 08:00 - 09:30 h •

MISSISSIPPI

Chairs: Christophoros N. Foroulis (Thessaloniki/GR)
Akif Turna (Istanbul/TR)

08:00-08:07

0-055 - Non-intubated versus intubated lung volume reduction surgery in patients with end-stage lung emphysema and severe hypercapnia

Ali Akil , Stephan Ziegeler , Stephanie Rehers , Stefan Fischer
Ibbenbueren/DE

08:10-08:17

0-056 - Cold coagulation in thoracoscopic treatment of primary pneumothorax: a comparison with apicoectomy
Vittorio Aprile, Elena Marrama, Stylianos Korasidis, Maria Giovanna Mastromarino, Marco Lucchi, Marcello Carlo Ambrogi
Pisa/IT

08:20-08:27

0-057 - Exercise training ameliorates inflammatory responses induced by one-lung ventilation via the suppression of NF- κ B activation

Zhiming Chen , Di Lu , Zhizhi Wang , Jiayang Fan , Duopei Fang , He Cai , Kaican Cai
Guangdong/CN

08:30-08:37

0-058 - Does a novel scoring model predict patients with pneumothorax requiring surgery? an internal validation study
Necati Citak¹ , Servet Özdemir² , Selçuk Köse²

¹Izmir/TK, ²Istanbul/TR

08:40-08:47

0-059 - Aggregate 1-year hospital stay after accelerated serial debridement or open window thoracostomy for pleural empyema after anatomical lung resection

Heleen Cool, Johnny Moons, Dirk Van Raemdonck, Willy Coosemans, Philippe Nafteux, Hans Van Veer, Lieven Depypere, Laurens Ceulemans, Paul De Leyn, Herbert Decaluwe
Leuven/BE

08:50-08:57

0-060 - Variables influencing hospital stay and 10-year staying trending after anatomical lung resection

M. Teresa Gomez-Hernandez , Clara Forcada , Marta G. Fuentes , Nuria M. Novoa , Jose Luis Aranda , Cristina Rivas , Gonzalo Varela , Marcelo F. Jimenez
Salamanca/ES

09:00-09:07

0-061 - Which surgery for stage II-III empyema patients? observational single centre cohort study on 719 consecutive patients

Sara Ricciardi^{1,2}, Delia Giovanniello³, Francesco Carleo¹, Marco Di Martino¹, Massimo Osvaldo Jaus¹, Luigi Carbone Sara Mantovani¹, Alessia Raffaella De Massimi¹, Lorenzo Salvadori¹, Maria Teresa Aratari¹, Stefano Treggiari¹, Giuseppe Cardillo¹

¹Rome/IT, ²Bologna/IT, ³Rome/IT

09:10-09:17

0-062 - A new method using postoperative X-Ray to evaluate residual pleural space and predict infectious pleuropulmonary complications after lung resection for infectious disease

Eserval Rocha Junior, Alessandro Wasum Mariani, Igor Barbosa Ribeiro, Joao Marcelo Lopes Toscano De Brito, Marcel Martins Sandrini, Yuri Costa Sarno Neves, Ricardo Mingarini Terra, Paulo Manuel Pego-Fernandes
São Paulo//BR

SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

MISSISSIPPI

09:20-09:27

O-063 - Impact of visualization system in thoracoscopic surgery: a prospective randomized study

Nicola Tamburini, Agnese Baglioni, Pio Maniscalco, Francesco Quarantotto, Francesco Dolcetti, Ilaria Potenza, Giorgio Cavallesco
Ferrara/IT



CHEST WALL IN CO-OPERATION WITH CHEST WALL INTERNATIONAL GROUP (CWIG)

TUESDAY, 21 JUNE 2022 11:00 - 12:00 h • MISSISSIPPI

Chairs: Jose Ribas de Campos (Sao Paulo/BR)
Hans Van Veer (Leuven/BE)

PRO & CON DEBATE

Thoracic Trauma

11:00-11:10

PRO - Rib fixation in non-flail multiple rib fractures

Fabrizio Minervini (Lucerne/CH)

11:10-11:15

CON - Rib Fixation in non-flail multiple rib fractures

Erik de Loos (Heerlen/NL)

11:25-11:30

Discussion

11:30-11:40

Congenital Deformities: Pectus Excavatum - conservative management

Frank Martin Haecker (Heerlen/CH)

11:40-11:45

Discussion

11:45-11:55

Congenital Deformities: Pectus Excavatum - surgical management

Hyun Joo Park (Seoul/KR)

11:55-12:00

Discussion



MIXED THORACIC II SESSION XI

TUESDAY, 21 JUNE 2022 13:00 - 14:00 h •

MISSISSIPPI

Chairs: Alessandro Wasum Mariani (São Paulo/BR)
Mario Nosotti (Milano/IT)

13:00-13:07

O-071 - Ambulatory videothoroscopic indwelling pleural catheter versus videothoroscopic talc pleurodesis approach in case of initial management of malignant pleural effusion: a propensity score analysis.

Charlotte Baltazard^{1,2}, Henri De Lesquen², Pierre-Julien Cungi², Jean-Philippe Avaro²

¹Paris/FR, ²Toulon/FR

13:10-13:17

O-072 - The "beer" pre-biotic improves the impact of anti-CTLA4 immune checkpoint inhibitor in a murine model of malignant pleural mesothelioma

Christophe Gattlen¹, Louis-Emmanuel Chricqui¹, Yameng Hao², Michel Gonzalez^{1,3}, Thorsten Krueger^{1,3}, Sviatlana Siankevich⁴, Paul Dyson², Sabrina Cavin¹, Jean-Yannis Perentes^{1,3}

¹Lausanne/CH, ²Lausanne/CH, ³Lausanne/CH, ⁴Etoy/CH

13:20-13:27

O-073 - An evaluation of perioperative hospital Coronavirus-19 (COVID-19) infection rates in thoracic surgery patients during the acute coronavirus disease 2019 pandemic

Vivian Wang, SangMin Kim, Abraham Lebenthal, Suden Kucukak, Bayonle Ademola, Luis E. De León, Michael T. Jaklitsch, Raphael Bueno, M. Blair Marshall

Boston/US

13:30-13:37

O-074 - Is mesothelial hyperplasia a benign disease?

Jacopo Moro, Carlotta Francesca Cartia, Simona Sobrero, Luisella Righi, Paolo Bironzo, Maria Lucia Reale, Alberto Sandri, Luca Errico, Francesco Leo

Orbassano/IT

SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

MISSISSIPPI

13:40-13:47

0-075 - Early readmission after major lung resections: any modifiable risk factors?

Simona Sobrero , Jacopo Moro , Alberto Sandri , Luca Errico , Marta Ciniero , Ilaria Stura , Giuseppe Migliaretti , Francesco Leo
Orbassano/IT

13:50-13:57

0-076 - Bilateral thoracoscopy is associated with a reduced complication rate and better cosmesis in minimally-invasive pectus excavatum repair

Christina Oetzmann Von Sochaczewski¹ , Stephan Rohleder² , Tatjana König² , Andreas Heydweiller¹
¹Bonn/DE, ²Mainz/DE



INTERESTING CASES SESSION XII

**TUESDAY, 21 JUNE 2022 14:30 - 15:30 h -
MISSISSIPPI**

Chairs: Federico Raveglia (Monza/IT)
Geertruid Marres (Dordrecht/NL)

14:30-14:37

0-077 - Case report and management of bilateral pneumothoraces following single cryoprobe transbronchial lung biopsy in lung transplant recipient

Margherita Cattaneo , Francesco Damarco , Ilaria Righi , Lorenzo Rosso , Mario Nosotti
Milano/IT

14:40-14:47

0-078 - Extrapleural pneumonectomy (EPP) with veno-arterial-venous extracorporeal membrane oxygenation (vav-ecmo) support for primary pulmonary synovial sarcoma in a young adult.

Ahmed Hamdouna , Torsten Richter , Ana Beatriz Almeida , Christian Reeps , Michael Schweigert
¹Lübeck/DE, ²Dresden/DE

14:50-14:57

0-079 - Minimally invasive intrapleural vacuum therapy with instillation and simultaneous endobronchial valve placement in the management of postoperative bronchopleural fistula and recurrent empyema after lower lobe resection for pulmonary abscess and pleural empyema

Sameer Hammoudeh , Sebastian Stange , Claus Steppert , Zsolt Sziklavari
Coburg/DE

15:00-15:07

0-080 - Bilateral lung transplantation and giant pulmonary artery aneurism reconstruction with aorta graft in a woman with pulmonary hypertension

David Poveda Chavez¹ , Elie Fade² , William Lorenzi² , Jean Baptiste Menager² , Francesco Cassiano²
¹Cordoba/ES, ²Paris/FR

15:10-15:17

0-081 - Novel method for costo-clavicular joint repair and reconstruction

Nestor Ivan Quiroga , David Sanchez , Marc Boada , Pablo Paglialunga , Leandro Grando , Carlos Guerrero , Angela Guirao , Irene Bello , Laureano Molins
Barcelona/ES

15:20-15:27

0-082 - Lung transplant after 6 months of Extracorporeal Membrane Oxygenation (ECMO) support for SARS-COV-2 induced pulmonary fibrosis

Edoardo Zanfrini , Federico Mathieu , Piero Paladini , Tommaso Ligabue , Luca Luzzi
Siena/IT

30th ESTS MEETING

19 - 21 JUNE 2022 • THE HAGUE, THE NETHERLANDS



SCIENTIFIC PROGRAM - TUESDAY 21 JUNE

MISSISSIPPI



INNOVATIVE/EXPERIMENTAL II SESSION XIV

TUESDAY, 21 JUNE 2022 15:30 - 16:30 h •

MISSISSIPPI

Chairs: Lorenzo Rosso (Milano/IT)
Katrín Welcker (Moenchengladbach/DE)

Award: ESTS-Grillo Award €1000 for Best
Overall Innovative/Experimental Abstract
in Sessions Innovative/Experimental I and II

15:30-15:37

0-089 - Pain outcomes after rib fixation for acute chest trauma: a retrospective matched-cohort study

Andrew Joshua, Chia Blythe, Roslyn Cassidy, Janet Hill,
Owen Diamond, Kieran Mcmanus
Belfast/UK

15:40-15:47

0-090 - Local and general anaesthesia in video-assisted thoracoscopic surgery and their impact on patients satisfaction - results of the first randomized controlled trial with a non-randomised side arm

Thomas Galetin^{1,2}, Christoph Eckermann^{1,2,3}, Olger Kraja⁴,
Julika Merres^{1,2}, Alberto Lopez^{1,2}, Aris Koryllos^{1,2},
Erich Stoelben^{1,2}

¹ Cologne/DE, ² Witten/DE, ³ Koblenz/DE, ⁴ Hildesheim/DE

15:50-15:57

0-091 - Bioartificial human Three Dimensional (3D) airway models from surgical specimen for basic and applied research

Julian Maurer, Thorsten Walles, Cornelia Wiese-Rischke
Magdeburg/DE

16:00-16:07

0-092 - Early comparison robotic bronchoscopy versus electromagnetic navigational bronchoscopy for biopsy of pulmonary nodules in a thoracic surgery practice

Elizabeth Joy Trimble, Fawad Chaudry, Kenneth Stewart,
James Matthew Reinersman
Oklahoma City/US

16:10-16:17

0-093 - Vacute postoperative pain management after video-assisted thoracoscopic lung resection: a systematic review and meta-analysis

Louisa N. Spaans¹, Jelle E. Bousema¹, Patrick Meijer¹,
Arthur Bouwman², Renee Van Den Broek², Jo Mourisse³,
Marcel G.w. Dijkgraaf⁴, Ad F.t.m. Verhagen³, Frank J.c. Van
Den Broek¹

¹ Veldhoven/NL, ² Eindhoven/NL, ³ Nijmegen/NL,

⁴ Amsterdam/NL

16:20-16:27

0-094 - Primary non-small cell lung cancer organoids retain the morphological characteristics and oncogenic drivers of the parental tumor

Raphael S. Werner, Michaela B. Kirschner, Jae-Hwi Jang,
Markus Rechsteiner, Isabelle Opitz
Zurich/CH

YANGTZE



SUNRISE SEMINAR 3

TUESDAY, 21 JUNE 2022 07:00 - 07:50 h •

YANGTZE

Chairperson: Gaetano Rocco (New York/US)

- Immunotherapy explained for surgeons
Brendon Stiles (New York/US)

ONYX



SUNRISE SEMINAR 4

TUESDAY, 21 JUNE 2022 07:00 - 07:50 h •

ONYX

Chairperson: Clemens Aigner (Essen/DE)

- Tracheoesophageal fistula - Update on stents and aggressive surgical management
Gail Darling (Halifax/CA)

