



30th Anniversary of ESTS
European Society of Thoracic Surgeons
1993-2023

31st ESTS MEETING

4 - 6 JUNE 2023 • MILANO, ITALY

“Milano 2023 - Nothing like ESTS”



EUROPEAN CONFERENCE
ON GENERAL THORACIC SURGERY

ESTS

Final program

www.ests.org





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WELCOME ADDRESS

Creative capital of fashion and luxury, Milan is a city at the forefront, very active from an economic and cultural point of view. Milan guards its treasures hidden among poetic views, buildings in Art Nouveau and small architectural gems ranging from Gothic to Romanesque, scattered in its beautiful and ancient historic center.

Founded around 400 B.C., Milan now has the vivacity and bustle of a great cosmopolitan city. We will be proud to invite you to the house of Leonardo Da Vinci, but also to the kingdom of Giorgio Armani. We will offer you an immersive experience in true fashion. Just cross the “Quadrilatero” – the fashion squared area defined by via Montenapoleone and via Della Spiga you will be scattered immediately inside the luxury atmosphere of the most desired brands, from haute couture to jewellery. Looking for art and antiques? Start from the magnificent Duomo, the gothic cathedral; Piazza dei Mercanti – just a two minute stroll from the cathedral, which was the medieval centre of the city and is preserved pretty much as it was centuries ago. If you take another five minutes walk you are in front of the Castello Sforzesco – the splendid castle built by the Sforza Family, with its beautiful park and ancient rooms. When it comes to food, we are happy to say that you just can’t find a better place to entertain your mouth and eyes. Among thousands of restaurants and terraces you can enjoy a good light lunch (think of the Four Seasons restaurant located in a former convent garden of the 15th century, or the Bulgari terrace designed by Antonio Citterio); you can also experience an espresso that will warm your senses at Marchesi, a real Milanese institution decorated in green marble and cherry wood, the pastry shop is full of cookies, panettones, marrons glacés... the perfect place to take a break.

The ESTS venue, the FieraMilanoCity (MiCo), is the historical seat of the Milan Fair. Completely rebuilt in the 90s, MiCo is one of the largest congress centers in Europe. The original comet-shaped roof is the hallmark of MiCo and a landmark for the city of Milan. Close to MiCo there is the new residential district called CityLife; the design of the elegant, luxury and car-free area was entrusted to international star architects. At the heart of the project is the CityLife Shopping District, an exciting collection of shops, restaurants and movie theaters.

After two years of troubles, the conference in The Hague was a real success both for the scientific content but also for the opportunity to meet all our colleagues. Milan awaits you to replicate the joy of sharing new surgical experiences, listen to scientific advances and try innovative instruments and technologies.

The entire Local Organizing Committee will be happy and honored to welcome you to our city for a meeting of high scientific standard as well as a friendly consolidation of our interpersonal relationships.



Mario Nosotti
Chair of Local Organizing Committee



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WELCOME ADDRESS

Dear Colleagues, Dear Friends,

On behalf of the Board of Directors and the Program Committee it is a great pleasure to invite you to the 31st ESTS meeting next June 4th to 6th in Milan, Italy.

After successfully reuniting our ESTS community last year in The Hague, we are happy that for largest proportion of our members normality has come back to their lives and herewith many educational and scientific activities of our Society.

This year we celebrate a very special anniversary which is the 30th founding year of our Organization. Over the past three decades, ESTS has become the largest general thoracic surgery society worldwide – recognized and acknowledged as such by our members and many other sister societies worldwide.

This year we will meet in Milan, the capital of fashion and luxury, but also a vibrant city from a cultural point of view. The ESTS venue, the Fiera Milano City (MiCo), is the historical seat of the Milan Fair. The Board of Directors and the Program Committee have been working hard to develop a fantastic and comprehensive program after a facelift of our meeting structure and a renaissance of our Training Village, which was first inaugurated in Dublin. Our field is developing fast these days with many

new exciting results in the field of thoracic oncology but also lung transplantation and treatment of end-stage lung diseases, all these areas will be covered within our program – so don't miss it! The Local Organizing Committee has put together a terrific social program as well so that you will have plenty of opportunities for networking with old friends and make new contacts in a fun environment!

Dear Colleagues and Friends, I am grateful for the incredible honor to serve as the 31st President of ESTS and to welcome you as such together with my colleagues from the Program Committee and Board of Directors for an incredible experience in “Milan 2023-Nothing like ESTS”



Isabelle Opitz
ESTS President



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WELCOME ADDRESS **SYMPOSIUM FOR NURSES AND ALLIED HEALTH PROFESSIONAL** **Monday 5 June**

Welcome back.

Since our last ESTS meeting in The Hague 2022, we have been working to build the Allied Health Professional Symposium.

For the 8th time we will be able to meet in person with your allied respiratory professional colleagues from around the world.

Physiotherapists and respiratory specialist nurses are a key part of the allied respiratory professional community, and they are involved in almost all care programmes in thoracic surgery.

We therefore are extremely delighted to welcome you to Milan, Italy, at the 31st ESTS Annual Meeting, 2023. This will facilitate arranging meetings with your colleagues and building new collaborations and friendships. A particular highlight for the Nurses and physiotherapists will be the session, where we will begin to set a new foundation towards standardization of respiratory education that can support the next generation of respiratory nurses and physiotherapists around the world in providing high-quality care.

For respiratory nurses, physiotherapists, allied respiratory professionals the ESTS Congress offers opportunities to share their research, clinical experience, and to connect to open possibilities for further joint work. ESTS is an excellent example of where respiratory nurses and physiotherapists from all fields, from academia to clinical practice, can share their ideas and cooperate.

Our groups have again received high-quality abstracts that will be presented in one session over the three days. Join the plenary sessions, learn about new techniques about disease management, new instruments, and new possibilities within our profession and about disease management.

Let’s talk about new topics; the patient perspective of illness and nursing perspective of caring for cancer patients, how to train the patient after lung transplantation and physiotherapy assessment in the patient outcome from thoracic surgery from extubating to ward.

We look forward to seeing you in Milan 2023, happy to see you again soon.

When participating in the nursing programme, you are welcome to join the other scientific sessions as well.



Mario Nosotti
Chair of Local Organizing Committee



Veronica Rossi
Allied Health Professionals Symposium Organizer



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COMMITTEES

SCIENTIFIC PROGRAM COMMITTEE 2023

Chair

Rene Horsleben Petersen (Denmark)

Hasan Batirel (Turkey)
Servet Bolukbas (Germany)
Souheil Boubia (Morocco)
Roberto Crisci (Italy)
Pierre-Emmanuel Falcoz (France)
Mario Nosotti (Italy)
Nuria Novoa (Spain)
Isabelle Opitz (Switzerland)
Enrico Ruffini (Italy)
Brendon Stiles (US)
Zalan Szanto (Hungary)
Ichiro Yoshino (Japan)

LOCAL ORGANIZING COMMITTEE

Chair

Mario Nosotti (Italy)

Members

Lorenzo Rosso (Italy)
Alessandro Bertani (Italy)
Andrea Cara (Italy)
Giulia Veronesi (Italy)

Allied Health Professionals Symposium

Veronica Rossi (Italy)

OFFICERS 2022/2023

President

Isabelle Opitz
Zurich (Switzerland)

President Elect

Jozsef Furak
Szeged (Hungary)

Secretary General

Hasan Batirel
Istanbul (Turkey)

Treasurer

Servet Bolukbas
Essen (Germany)

Editor

Pierre-Emmanuel Falcoz
Strasbourg (France)

Past President

Alessandro Brunelli
Leeds (UK)

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Copenhagen (Denmark)

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Zalan Szanto
Pecs (Hungary)

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Salamanca (Spain)

Director of External Relations

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Torino (Italy)

Directors

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Osaka (Japan)

Hermien Schreurs
Alkmaar (The Netherlands)

Katrin Welcker
Monchengladbach (Germany)



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SOCIETY REPRESENTATIVES



AATS
American Association for Thoracic Surgery
Dr. Yolonda Colson. Past President



IASLC
International Association for the Study of Lung Cancer
Prof. Paul Van Schil. President Elect



SICT
Italian Society of Thoracic Surgery
Prof Roberto Crisci. President



JACS
Japanese Association for Chest Surgery
Dr. Ichiro Yoshino. President



EACTS
European Association for Cardio-Thoracic Surgery
Dr Franca Melfi. Vice President



STS
Society of Thoracic Surgeons
Dr Leah Backhus. Director-at-Large
Dr Thomas K Varghese, Jr. Council Chair



ERS
European Respiratory Society
Dr Marcello Migliore. ERS Assembly and Secretary



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PROGRAM AT A GLANCE

SUNDAY 4 JUNE 2023

	SILVER PLENARY	RED 1	
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 Symposia
12:30 - 13:00			
13:00 - 13:30	Database and Quality Certification Session	Early Stage of Esophageal Cancer	
13:30 - 14:00		Coffee Break (Exhibition Area)	
14:00 - 14:30	Coffee Break (Exhibition Area)	Video I Session I	
14:30 - 15:00	Session in co-operation with Japanese Association of Chest Surgery (JACS)		
15:00 - 15:30	Surgical strategies for early stage Lung cancer. Presentation of GGO Guidelines, CALGB/Alliance 140503 trial	ESTS Biology Club	
15:30 - 16:00			
16:00 - 16:30	Quality of Healthcare with a patient representation	Nightmares in Thoracic Surgery	EXHIBITION AREA 17:00-18:00 Junior Poster Session
16:30 - 17:00			
17:00 - 17:30			
17:30 - 18:00	Opening Ceremony		
18:00 - 18:45	Welcome Reception (Exhibition Area)		
19:00 - 20:00			
20:00 - 23:00	Women in Thoracic Surgery and Trainees Get Together Evening		

ABSTRACT SESSION

SESSIONS IN CO-OPERATION WITH OTHER SOCIETIES

EDUCATIONAL SESSION

POSTGRADUATE COURSE



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PROGRAM AT A GLANCE

MONDAY 5 JUNE 2023

	SILVER PLENARY	RED 1	WHITE 1	OTHER ROOMS
07:00 - 07:30				07:00-07:50 Breakfast with the Expert Industry-Sponsored Session
07:30 - 07:50				
08:00 - 08:30	Innovative/experimental I Session II	Miscellaneous Session III		
08:30 - 09:00				
09:00 - 09:15	Opening remarks			
09:15 - 09:30	Brompton Session IV			
09:30 - 10:00				
10:00 - 10:45				
10:45 - 11:15	Coffee Break (Exhibition Area)			
11:15 - 11:45	Invited Lecture			
11:45 - 12:00	Introduction to the President		Practical Session for Nurses & Allied Health Professionals	
12:00 - 12:30	Presidential Address			
12:30 - 13:00				OTHER ROOMS
13:00 - 13:30				12:30-13:30 Industry-sponsored Symposia
13:30 - 14:00	Breaking clinical trials Session V	Thoracic Infections of Surgical Interest	Symposium for Nurses and Allied Health Professionals	
14:00 - 14:30	Evolution in MITS Session VI	Tracheal Surgery and Tracheomalacia Session in co-operation with Society of Thoracic Surgeons (STS)		
14:30 - 15:00		Coffee Break (Exhibition Area)	Coffee Break (Exhibition Area)	
15:00 - 15:30		Coffee Break (Exhibition Area)	Pulmonary neoplastic I (advanced stage lung cancer) Session VII	Symposium for Nurses and Allied Health Professionals
15:30 - 16:00	Young Investigators Award Session VIII	Esophageal Session IX		
16:00 - 16:30				
16:30 - 17:00				
17:00 - 17:30				EXHIBITION AREA
17:30 - 18:00				17:00-18:00 Moderated Poster Session
18:00 - 19:00	General Assembly			
20:00 - 23:30	ESTS PARTY			

- ABSTRACT SESSION
- LECTURE
- EDUCATIONAL SESSION
- NURSES & ALLIED HEALTH PROFESSIONALS HEALTH
- SESSIONS IN CO-OPERATION WITH OTHER SOCIETIES



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PROGRAM AT A GLANCE

TUESDAY 6 JUNE 2023

	SILVER PLENARY	RED 1
07:00 - 07:30		
07:30 - 07:50		
08:00 - 08:30	Pulmonary Neoplastic II (early stage lung cancer) Session X	Pulmonary Non-neoplastic Session XI
08:30 - 09:00		
09:00 - 09:30		
09:30 - 10:00	Extraordinary Guest Lecture	
10:00 - 10:30	Coffee Break (Exhibition Area)	
10:30 - 11:00	Mediastinum Session XII	Chest Wall in Co-operation with Chest Wall International Group (CWIG)
11:00 - 11:30		
11:30 - 12:00	New Guidelines	
12:00 - 12:30		
12:30 - 13:00		
13:00 - 13:30	TNM Classification: from the 8th to 9th Edition. Session in co-operation with the International Association for the Study of Lung Cancer (IASLC)	Chest wall / Diaphragm / Pleura Session XIII
13:30 - 14:00		
14:00 - 14:30	Coffee Break (Exhibition Area)	
14:30 - 15:00	Pulmonary neoplastic III Session XIV	Video II Session XV
15:00 - 15:30		
15:30 - 16:00	Transplant Session X-vivo and preservation	Miscellaneous Session XVI
16:00 - 16:30		
16:30 - 17:00	Transplant Session XVII	Interesting cases Session XVIII
17:00 - 17:30		
17:30 - 18:00		

OTHER ROOMS

12:00-13:00
Industry-sponsored
Symposia

- ABSTRACT SESSION
- SESSIONS IN CO-OPERATION WITH OTHER SOCIETIES
- EDUCATIONAL SESSION
- LECTURE



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ESTS POSTGRADUATE SYMPOSIUM-MASTER CUP

SUNDAY 4 JUNE 2023 • 08:00h-12:00h



Alessandro Bertani (Palermo/IT)



Lieven Depypere (Leuven/BE)

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

Scholarships for the ESTS School of Thoracic Surgery Knowledge Track Course of 2024 will be awarded to each of the Three Trainees of the Winning Team

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 2024 School of Thoracic Surgery OR a free registration to 2024 Annual Meeting

ESTS Award for the second best audience performer:
a free registration for the 2024 Medical Writing Course OR a free registration to 2024 Annual Meeting

ESTS Award for the third best audience performer:
a free registration to 2024 Annual Meeting





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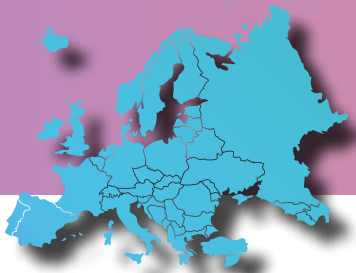
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TEAMS

The 2023 Postgraduate Course – Master Cup will be structured as a contest in which a designated expert will provide questions and real-life case scenarios for discussion about a specific topic. Four teams from different continents will compete: Europe, North America, South America and Asia. Each team is composed of 1 captain and 3 trainees.



TEAM EUROPE

Jozsef Furak
(Szeged/HU)



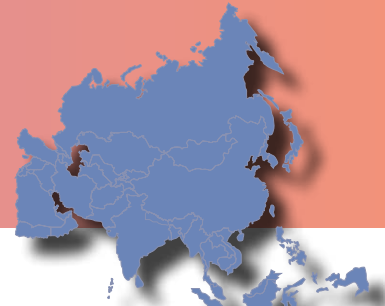
TEAM NORTH AMERICA

Shanda Blackmon
(Rochester/US)



TEAM SOUTH AMERICA

Paula Ugalde Figueroa
(Boston/US)



TEAM ASIA

Ichiro Yoshino
(Chiba/JP)

CAPTAINS

FORMAT

There will be 5 rounds of questions with extra time at the end for questions from the floor answered by the expert. 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 each round there will be extra time at the end for questions from the floor answered by the expert.
9. When 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.

TOPICS

Lung Volume Reduction Surgery (LVRS)/Emphysema
Claudio Cavaziel
(Zurich/CH)

Non small cell lung cancer (NSCLC) including sublobar resections
Robert Cerfolio
(New York/US)

Infectious diseases (including COVID-19)
Alessandro Mariani
(Sao Paulo/BR)

Chest Wall / Trauma
Didier Lardinois
(Basel/CH)

Mesothelioma
Tamas Molnar
(Pecs/HU)



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SCIENTIFIC PROGRAM - SUNDAY 4 JUNE

SILVER PLENARY

POSTGRADUATE SYMPOSIUM ON GENERAL THORACIC SURGERY

SUNDAY 4 JUNE 2023 08:00 - 12:00 h ·

SILVER PLENARY

Organisers: Alessandro Bertani (Palermo/IT)
Lieven Depypere (Leuven/BE)

CAPTAIN TEAM SOUTH AMERICA:

Paula Ugalde Figueroa (Boston/US)

Trainees:

Paula Duarte d'Ambrosio (São Paulo/BR)
Jaqueline Fonini (Sao Paulo/BR)
Rafael Ribeiro Barellos (Sao Paulo/BR)

CAPTAIN TEAM EUROPE:

Jozsef Furak (Szeged/HU)

Trainees:

Estelle Bodart (Brussels/BE)
Filippo Tommaso Gallina (Rome/IT)
Jonathan Schumacher (Zürich/CH)

CAPTAIN TEAM ASIA:

Ichiro Yoshino (Chiba/JP)

Trainees:

Hanyue Li (Shanghai/CH)
Yohei Kawaguchi (Tokyo/JP)
Melek Agkoc (Istanbul/TK)

CAPTAIN TEAM NORTH AMERICA:

Shanda Haley Blackmon (Rochester/US)

Trainees:

David Nelson (Houston/US)
Nikhil Panda (Boston/US)
Vignesh Raman (Durham/US)

DATABASE AND QUALITY CERTIFICATION SESSION

SUNDAY 4 JUNE 2023 13:00 - 14:30 h ·

SILVER PLENARY

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

- ESTS Database Summary 2022
Zalan Szanto (Pecs/HU)
- Database of Society of Thoracic Surgeons (STS)
Felix Fernandez (Atlanta/US)
- GDPR Compliant Data Contribution to ESTS
Luca Bertolaccini (Milan/IT)
- Thoracic Infections of Surgical Interest Working Group
Alessandro Wasum Mariani (Sao Paulo/BR)
- Presentation of Institutional Accreditation Certificates

SURGICAL STRATEGIES FOR EARLY STAGE LUNG CANCER. PRESENTATION OF GGO GUIDELINES, CALGB/ ALLIANCE 140503 TRIAL

SUNDAY 4 JUNE 2023 16:00 - 17:00 h ·

SILVER PLENARY

Chairs: Rene Horsleben Petersen (Copenhagen/DK)
Alessandro Brunelli (Leeds/UK)

- Sub Analysis from the CALGB/Alliance 140503 Trial
Nasser Altorki (New York/US)
- GGO Guidelines - ESTS
Rene Horsleben Petersen (Copenhagen/DK)
- GGO Guidelines - EACTS
Giuseppe Cardillo (Rome/IT)
- Discussion



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SCIENTIFIC PROGRAM - SUNDAY 4 JUNE

SILVER PLENARY



SESSION IN CO-OPERATION WITH JAPANESE ASSOCIATION OF CHEST SURGERY (JACS)

SUNDAY 4 JUNE 2023 15:00 - 16:00 h ·

SILVER PLENARY

Chairs: Dominique Gossot (Paris/FR)

Yukio Sato (Tsukuba/JP)

- **The paradox of a better survival despite a higher recurrence rate**

Yasuhiro Tsutani (Osaka/JP)

- **Is there really respiratory benefit**

Alessandro Brunelli (Leeds/UK)

- **How preoperative and intraoperative imaging technologies can help?**

Toshihiko Sato (Fukuoka/JP)

- **Complications of sublobar resections**

Agathe Seguin-Givelet (Paris/FR)

- **Take Home message**

Yukio Sato (Tsukuba/JP)



QUALITY OF HEALTHCARE WITH A PATIENT REPRESENTATION

SUNDAY 4 JUNE 2023 17:00 - 18:00 h ·

SILVER PLENARY

Chairs: Yolonda Colson (Boston/US)

Maria Rodriguez (Madrid/ES)

- **Patients reported outcomes as fundamental components of surgical quality**

Cecilia Pompili (Leeds/UK)

- **What matters the most for patients**

Marjorie Forsblom (Helsinki/FI)

- **Humanitarian care is at the roots of surgical quality**

Toni Lerut (Leuven/BE)



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SCIENTIFIC PROGRAM - SUNDAY 4 JUNE

SILVER PLENARY

OPENING CEREMONY

SUNDAY 4 JUNE 2023 18:00 - 18:45 h · SILVER PLENARY



Welcome
by Isabelle Opitz, ESTS President



Welcome
by Mario Nosotti, Chair of the Local Organising Committee

Presentation of Society Awards for Travel Grants

Presentation of Honorary Member

Celebration of 30th Anniversary of ESTS
Presentation of Founding Fathers

WELCOME RECEPTION

SUNDAY 4 JUNE 2023 19:00 - 20:00 h · EXHIBITION AREA





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SCIENTIFIC PROGRAM - SUNDAY 4 JUNE

RED 1



EARLY STAGE OF ESOPHAGEAL CANCER

SUNDAY 4 JUNE 2023 13:00 - 14:00 h ·

RED 1

Chairs: Miroslav Janik (Bratislava/SK)
Mette Siemsen (Copenhagen/DK)

- **Endoscopic mucosal resection for esophageal cancer - when and how**
Michael P. Achiam (Copenhagen/DK)
- **Thoracoscopic anastomosis in minimally invasive oesophagectomy**
Miroslav Janik (Bratislava/SK)
- **Mini invasive esophagectomy in comparison with endoscopic mucosal resection for early stage of esophageal cancer**
Philippe Nafteux (Leuven/BE)



VIDEO I SESSION I

SUNDAY 4 JUNE 2023 14:30 - 15:30 h ·

RED 1

Chairs: Willem-Hans Steup (The Hague/NL)
Davide Tosi (Milan/IT)

14:30-14:37

V-001 - Redo trans-sternal tracheal resection and reconstruction: the use of uncommon release maneuvers

Jahnvi Kakuturu ⁽¹⁾, Stuart Campbell ⁽²⁾, Faryal Afridi ⁽²⁾, Alper Toker ⁽²⁾
Parkersburg/US ⁽¹⁾, Morgantown/US ⁽²⁾

14:40-14:47

V-002 - Great challenges great solutions in chest wall

Jose Ramon Cano ⁽¹⁾, Unai Jimenez ⁽²⁾, Donato Monopoli ⁽¹⁾, Ricardo Medina ⁽¹⁾, Wolker Tavarez ⁽¹⁾, Michelle Leung ⁽¹⁾, David Perez ⁽¹⁾
Las Palmas de Gran Canaria/ES ⁽¹⁾, Bilbao/ES ⁽²⁾

14:50-14:57

V-003 - A right apical, posterior, and superior (S1+S2+S6) robotic segmentectomy

Tai Hato, Ato Sugiyama, Masatoshi Yamaguchi, Kohei Aoki, Hiroki Fukuda, Mitsutomo Kohno, Mitsuo Nakayama
Saitama/JP

15:00-15:07

V-004 - Troubleshooting of a stapler failure during salvage surgery after anaplastic lymphoma kinase-tyrosine kinase inhibitors (ALK-TKI) therapy

Mingyon Mun, Junji Ichinose, Yosuke Matsuura, Masayuki Nakao
Tokyo/JP

15:10-15:17

V-005 - Robot-assisted en bloc esophagectomy after neoadjuvant chemoradiation in a patient with locally advanced esophageal cancer

Byung Jo Park, Dae Joon Kim
Seoul/South Korea

15:20-15:27

V-006 - The surgical technique of continuous intraoperative neuromonitoring of bilateral recurrent laryngeal nerves during video-assisted thoracic surgery (VATS) ivor lewis operation

Yong Won Seong, Young Jun Chai, Jung-Man Lee, Hyeon Jong Moon
Seoul/South Korea



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SCIENTIFIC PROGRAM - SUNDAY 4 JUNE

RED 1



BIOLOGY CLUB

SUNDAY 4 JUNE 2023 15:30 - 17:00 h ·

RED 1

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



- Introduction by the chairs
- ESTS Observership Report
Bihter Sayan Gocer (Istanbul/TK)
- Tumor Genomics in Operable NSCLC:
Discovery & Application
David R. Jones (New York/US)
- Lung cancer screening: blood based biomarkers and AI
Thomas Frauenfelder (Zurich/CH)
- Assessing local complement activation in the early
post-transplant period: A study of C2 complement
levels in lung transplant recipients
René Novysedlák (Prague/CZ)
- ESTS Women in General Thoracic Surgery Academy
Report
Monika Švorcová (Prague/CZ)
- Discussion



NIGHTMARES IN THORACIC SURGERY

SUNDAY 4 JUNE 2023 17:00 - 18:00 h ·

RED 1

Chairs: Clemens Aigner (Vienna/AT)
Pascal Thomas (Marseille/FR)

- Massive intraoperative bleeding during lung
transplantation
Geoffrey Brioude (Marseille/FR)
- Tracheo-innominate fistula
Gonzalo Varela (Salamanca/ES)
- Nightmares in awake thoracic surgery
Eugenio Pompeo (Rome/IT)



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SCIENTIFIC PROGRAM - SUNDAY 4 JUNE

EXHIBITION AREA - POSTERS AREA



JUNIOR POSTER SESSION

SUNDAY 4 JUNE 2023 17:00 - 18:00 h ·

EXHIBITION AREA - POSTERS AREA

Chairs: Andrea Cara (Milan/IT)

Joao Santos Silva (Lisbon/PT)

Award: Complimentary registration to the 32nd European Conference on General Thoracic Surgery, 2024. This prize is offered for the best poster display/presentation.

17:00-17:03

P-001 - Exercise training ameliorates inflammatory responses induced by one-lung ventilation by activating the PI3K/AKT signaling pathway

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

17:05-17:08

P-002 - Parsimonious eurolung risk model to predict postoperative cardiopulmonary morbidity and mortality: external validation of the the brazilian registry of lung cancer

Paula Duarte D'Ambrosio ⁽¹⁾, Ricardo Mingarini Terra ⁽¹⁾,
Leticia Leone Lauricella ⁽¹⁾, Carolina Adan Cavadas ⁽¹⁾,
Jaqueline Schaparini Fonini ⁽¹⁾, Jefferson Luiz Gross ⁽²⁾,
Federico Enrique Garcia Cipriano ⁽³⁾, Henrique Nietmann ⁽⁴⁾,
Fabio Da Silva May ⁽⁵⁾, Paulo Manuel Pêgo-Fernandes ⁽¹⁾
Sau Paulo/BR ⁽¹⁾, Sau Paulo/BR ⁽²⁾, Ribeirão Preto/BR ⁽³⁾,
Ribeirão Preto/BR ⁽⁴⁾, Florianópolis/BR ⁽⁵⁾

17:10-17:13

P-003 - Complying with quality metrics in segmentectomy improves oncological outcomes in lung cancer surgery

Julien Epailly, Alex Fourdrain, Cesare Braggio, David Boulate,
Xavier Benoit D'Journo, Vanessa Pauly,
Pascal Alexandre Thomas
Marseille/FR

17:15-17:18

P-004 - Operative outcomes and middle-term survival of robotic-assisted lung resection for clinical stage ia lung cancer compared with video-assisted thoracoscopic lobectomy

Clara Forcada-Barreda, Teresa Gomez-Hernandez, Cristina E Rivas-Duarte, Marta G Fuentes-Gago,
Nuria M Novoa, Gonzalo Varela, Marcelo Jimenez
Salamanca/ES

17:20-17:23

P-005 - Video-assisted thoracoscopic lung resection in patients receiving immunotherapy treatment for non-small cell lung cancer, is it hard and worth doing?

Gizem Gedikoglu Pirim, Hüseyin Melek,
Tolga Evrim Sevinç, Elçin Suleymanov, Hakan Ertilav, Basak Gorusun, Ahmet Sami Bayram, Türkkkan Evrensel,
Cengiz Gebitekin
Bursa/TK

17:25-17:28

P-006 - Central veno-arterial ecmo or cardiopulmonary bypass as intraoperative support during lung transplantation: is there still a debate?

Mariana Gil Barturen, Alejandra Romero Román, Lucas Hoyos Mejía, Silvana Crowley Carrasco, Daniel Martinez Lopez,
Pablo Cordero, Felipe Alayza, Jose Manuel Naranjo,
Maria Del Mar Córdoba Pelaez, David Gómez De Antonio,
Jose Luis Campo-Cañaveral De La Cruz
Madrid/ES

17:30-17:33

P-007 - Factors affecting long-term survival in patients with t4 non-small cell lung carcinoma

Akif Turna, Gizem Ozcibik Isik, Ismail Sarbay, Halil Ibrahim Bulut, Melek Agkoc, Fazilet Dincbas, Kamil Kaynak
Istanbul/TK

17:35-17:38

P-008 - Surgical and neurological outcomes of robotic thymectomy on the elderly population, a single center study

Andrea La Rosa, Carmelina Zirafa, Michelangelo Maestri Tassoni, Ilaria Ceccarelli, Melania Guida,
Giacomo Rabazzi, Roberta Ricciardi, Franca Melfi
Pisa/IT



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17:40-17:43

P-009 - Prognostic factors of non-lepidic lung adenocarcinoma presenting as ground glass opacity: results of a multicenter study

Fabiana Messa⁽¹⁾, Alessandra Siciliani⁽¹⁾, Piccioni Giorgia⁽¹⁾, Beatrice Leonardi⁽²⁾, Anna Maria Ciccone⁽¹⁾, Antonio D'Andrilli⁽¹⁾, Claudio Andreotti⁽¹⁾, Alberto Emiliano Baccarini⁽¹⁾, Matteo Tiracorrendo⁽¹⁾, Adriana Nocera⁽¹⁾, Giuseppe Calabrese⁽¹⁾, Elisa Meacci⁽¹⁾, Stefano Margaritora⁽¹⁾, Giovanni Natale⁽²⁾, Alfonso Fiorelli⁽²⁾, Federico Venuta⁽¹⁾, Erino Angelo Rendina⁽¹⁾, Mohsen Ibrahim⁽¹⁾
Rome/IT⁽¹⁾, Napoli/IT⁽²⁾

17:45-17:48

P-010 - Tracheal stenosis following prolonged intubation or tracheostomy in coronavirus (Covid)-19 patients: results from the observational multicentric study

Gianluca Perroni⁽¹⁾, Pierachille Santus⁽²⁾, Michele Mondoni⁽¹⁾, Emanuela Morengi⁽¹⁾, Valentina Giatti⁽¹⁾, Alessandro Crepaldi⁽¹⁾, Veronica Maria Giudici⁽¹⁾, Giuseppe Cipolla⁽²⁾, Fabiano Di Marco⁽¹⁾, Stefano Pavesi⁽¹⁾, Dejan Radovanovic⁽¹⁸⁾, Nicolò Vanoni⁽²⁾, Giuseppe Mangiameli⁽¹⁾, Umberto Cariboni⁽¹⁾
Milan/IT⁽¹⁾, Lodi/IT⁽²⁾

17:50-17:53

P-011 - A real world case matched comparison of minimally invasive segmentectomy and lobectomy for peripheral stage ia1-2 non small cell lung cancer (NSCLC)

Amr Rushwan, Demetrios Stefanou, Polyvios Drosos, Nilanjan Chaudhuri, Richard Milton, Kostas Papagiannopoulos, Peter Tcherveniakov, Elaine Teh, Laura Valuckiene, Alex Brunelli
Leeds/UK

17:55-17:58

P-012 - Tailored resource-sparing preoperative evaluation for thoracic surgery

Preeti Vijayakumaran, Devayani Niyogi, Tejpratap Singh, George Karimundackal, Virendrakumar Tiwari, Sabita Jiwnani, Pramesh C S
Mumbai/IN



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SILVER PLENARY



INNOVATION/EXPERIMENTAL I SESSION II

**MONDAY 5 JUNE 2023 08:00 - 09:00 h -
SILVER PLENARY**

Chairs: Stephen Cassivi (Rochester/US)
Gilbert Massard (Luxembourg/LU)

Award: ESTS-Grillo Award €1000 for Best Innovative/
Experimental Abstract

08:00-08:07

**0-007 - Training simulator efficacy in developing
thoracic and general surgical skills in an academic
residency program: a pilot study**

Maria Cattoni, Sarah Grossi, Luca Filippini, Nicola Rotolo,
Andrea Imperatori
Varese/IT

08:10-08:17

**0-008 - Ventilation spect: a new tool in air leak
management**

Marta Gracia Fuentes, Clara Forcada, Nuria Novoa, Maria
Teresa Gómez, Cristina Rivas, Jose Luis Aranda, Marcelo
Fernando Jiménez
Salamanca/ES

08:20-08:27

**0-009 - The efficacy of posterior (erector spinae)
and lateral (serratus anterior) fascial plane blocks vs
intercostal nerve block in uniportal- video-assisted
thoracic surgery (VATS) surgery: a prospective trial**

Dania Nachira, Giovanni Punzo, Giuseppe Calabrese,
Flaminio Sessa, Leonardo Petracca-Ciavarella,
Marco Chiappetta, Chiara Cambise, Giovanna Beccia,
Carolina Sassorossi, Maria Letizia Vita, Maria Teresa Congedo,
Elisa Meacci, Stefano Margaritora
Rome/IT

08:30-08:37

**0-010 - Development of a novel bio-adhesive patch
for the treatment of tracheal injuries in a large-animal
porcine model**

Ahmed A Sadek, Margaret B. Marshall,
Sarah J. Wu, Jingjing Wu, Erin P. Mckenna,
Grace M. Foley, Robert F. Padera, Raphael Bueno
Boston/US

08:40-08:47

**0-011 - Pre-operative localization of difficult lung
nodules using three-dimensional anatomical landmarks
versus percutaneous hookwire placement: a randomized
controlled trial**

Dazhi Pang⁽¹⁾, Guangqiang Shao⁽¹⁾, Jitian Zhang⁽¹⁾,
Jinglong Li⁽¹⁾, Zhihai Liu⁽¹⁾, Taiyang Liuru⁽¹⁾, Yanan Liang⁽¹⁾,
Hongxia Wang⁽¹⁾, Sze-Yuen Peter Yu^(1,2)
Shenzhen/CN⁽¹⁾, Hong Kong/Hong Kong SAR⁽²⁾

08:50-08:57

**0-012 - The comparison of early results of uniportal
versus multiportal video-thoroscopic resections -
propensity score matched cohort study.**

Pawel Zielinski, Piotr Skrzypczak, Magdalena Siewlewicz,
Piotr Gabryel, Cezary Piwkowski
Poznan/PL



OPENING REMARKS

**MONDAY 5 JUNE 2023 09:00 - 09:15 h -
SILVER PLENARY**

René Horsleben Petersen (Copenhagen/DK)





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BROMPTON SESSION IV

MONDAY 5 JUNE 2023 09:15 - 10:45 h ·

SILVER PLENARY

Chairs: Isabelle Opitz (Zurich/CH)

Hasan Batirel (Istanbul/TK)

Eric Lim (London/UK)

Jury: Pierre Emmanuel Falcoz (Strasbourg/FR)

Eric Lim (London/UK)

Jozsef Furak (Szeged/HU)

Award: ESTS Brompton Prize € 2000 for best abstract by first author ESTS member

09:15-09:23

B-019 - Profiling immunoefficiency across blood and tissue discloses predictive power in surgically resected non small cell lung cancer (NSCLC)

Giovanni Bocchialini, Giulia Mazzaschi, Federico Quaini, Marcello Tiseo, Letizia Gnetti, Gianluca Di Rienzo, Bruno Lorusso, Monica Pluchino, Nicola Sverzellati, Luca Musini, Sara Cattadori, Federico Illica Magrini, Nicole Pensato, Paolo Carbognani, Luca Ampollini

Parma/IT

09:23-09:26

Discussant: Raphael Bueno (Boston/US)

09:30-09:38

B-020 - Impact of lung cancer screening on surgical stage distribution and surgical practice: a real world analysis of patients operated in and out of a screening program

Michael Richard Gooseman⁽¹⁾, Kerry L Bulliment⁽¹⁾, Vasileios Tentzeris⁽¹⁾, Syed S A Qadri⁽¹⁾, Matthew Callister^(1,2), Richard Milton^(1,2), Nilanjan Chaudhuri^(1,2), Peter Tcherveniakov⁽²⁾, Kostas Papagiannopoulos⁽²⁾, Michael Edward Cowen⁽¹⁾, Alessandro Brunelli⁽²⁾

⁽¹⁾Hull/UK, ⁽²⁾Leeds/UK

09:38-09:41

Discussant: Witold Rzyman (Gdańsk/PL)

09:45-09:53

B-021 - The outcomes of salvage surgery for non-small cell lung cancer after immune checkpoint inhibitor or target therapy treatment. A multi-center international real-life study

Francesco Guerrera^(1,2), Filippo Lococo^(3,4), Ludovic Fournel⁽⁵⁾, Domenico Viggiano⁽⁶⁾, Mangiameli Giuseppe^(7,8), Maria Giovanna Mastromarino⁽⁹⁾, Gianluca Guggino⁽¹⁰⁾, Joseph

Seitlinger⁽¹¹⁾, Pietro Bertoglio⁽¹²⁾, Luca Luzzi⁽¹³⁾, Paolo Albino Ferrari^(14,15), Marco Alifano⁽⁵⁾, Stefano Margaritora^(3,4), Emanuele Voulaz^(7,8), Marco Lucchi⁽⁹⁾, Francesco Jacopo Romano⁽¹⁰⁾, Piergiorgio Solli⁽¹²⁾, Sara Najmeh⁽¹¹⁾, Annamaria Carta^(14,15), Enrico Ruffini^(1,2)

Turin/IT⁽¹⁾, Turin/IT⁽²⁾, Rome/IT⁽³⁾, Rome/IT⁽³⁾, Paris/FR⁽⁴⁾, Florence/IT⁽⁵⁾, Milan/IT⁽⁶⁾, Milan/IT⁽⁷⁾, Pisa/IT⁽⁸⁾, Naples/IT⁽⁹⁾, Montreal/CA⁽¹⁰⁾, Bologna/IT⁽¹¹⁾, Siena/IT⁽¹²⁾, Cagliari/IT⁽¹³⁾, Cagliari/IT⁽¹⁴⁾

09:53-09:56

Discussant: Stephen Cassivi (Rochester/US)

10:00-10:08

B-022 - Efficacy of thoracic paravertebral block with methylene blue visual confirmation in the management of postoperative pain after video-assisted thoracoscopic lobectomy

Beatrice Leonardi, Francesco Leone, Antonio Noro, Mary Bove, Giorgia Opromolla, Mario Martone, Rosa Mirra, Davide Gerardo Pica, Francesca Capasso, Vincenzo Di Filippo, Maria Antonietta Puca, Mario Grande, Giuseppe Vicario, Anna Rainone, Francesco Panini D'Alba, Giovanni Natale, Gaetana Messina, Anna Cecilia Izzo, Saveria Costanzo, Giovanni Vicidomini, Maria Caterina Pace, Fausto Ferraro, Mauro Forte, Giovanni Liguori, Francesco Coppolino, Luigi Ferrante, Roberta Fiorito, Alfonso Fiorelli

Naples/IT

10:08-10:11

Discussant: Juan J. Fibla (Barcelona/ES)

10:15-10:23

B-023 - Biologic versus synthetic prosthesis for chest wall reconstruction

Stijn Vanstraelen, Joe Dycoco, Manjit S. Bains, Prasad S. Adusumilli, Robert J. Allen Jr., Matthew J. Bott, Robert J. Downey, James Huang, James M. Isbell, Evan Matros, Daniela Molena, Bernard J. Park, Valerie W. Rusch, Farooq Shahzad, Smita Sihag, David R. Jones, Gaetano Rocco

New York/US

10:23-10:26

Discussant: Alessandro Gonfiotti (Florence/IT)

10:30-10:38

B-024 - Readmission after enhanced recovery video-assisted thoracoscopic surgery wedge resection

Lin Huang, Henrik Kehlet, René Horsleben Petersen

Copenhagen, Denmark

09:38-09:41

Discussant: Jalal Assouad (Paris/FR)



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INVITED LECTURE

MONDAY 5 JUNE 2023 11:15 - 11:45 h ·

SILVER PLENARY

Alberto Cavalli (Milan/IT)



INTRODUCTION TO THE PRESIDENT

MONDAY 5 JUNE 2023 11:45 - 12:00 h ·

SILVER PLENARY

Jozsef Furak (Szeged/HU)

President Elect



PRESIDENTIAL ADDRESS

MONDAY 5 JUNE 2023 12:00 - 12:30 h ·

SILVER PLENARY

Isabelle Opitz (Zurich/CH)

President



BREAKING CLINICAL TRIALS

SESSION V

MONDAY 5 JUNE 2023 13:30 - 14:30 h ·

SILVER PLENARY

Chairs: Gaetano Rocco (New York/US)

Alexander Patterson (St Louis/US)

13:30-13:45

0-025 - Endosonography with or without confirmatory mediastinoscopy for resectable lung cancer

Jelle E. Bousema ⁽¹⁾, Marcel G.W. Dijkgraaf ⁽²⁾, Erik H.F.M. Van Der Heijden ⁽³⁾, Ad F.T.M. Verhagen ⁽⁴⁾, Jouke T. Annema ⁽⁵⁾, Frank J.C. Van Den Broek ⁽¹⁾

Veldhoven/NL ⁽¹⁾, Amsterdam/NL ⁽²⁾, Nijmegen/NL ⁽³⁾, Nijmegen/NL ⁽⁴⁾, Amsterdam/NL ⁽⁵⁾

13:50-14:05

0-026 - Impower010: exploratory analysis of outcomes by surgery type in patients with PD-L1 TC ≥50% STAGE II-III NSCLC

Alessandro Brunelli ⁽¹⁾, Heather Wakelee ⁽²⁾, Caicun Zhou ⁽³⁾, Enriqueta Felip ⁽⁴⁾, Eric Vallieres ⁽⁵⁾, Benny Weksler ⁽⁶⁾, Rüdiger Liersch ⁽⁷⁾, Margarita Majem ⁽⁸⁾, Kimberly Costas ⁽⁹⁾, Wei Zhang ⁽¹⁰⁾, Monika Kaul ⁽¹⁰⁾, Marcus Ballinger ⁽¹⁰⁾, Virginia McNally ⁽¹¹⁾, Elizabeth Bennett ⁽¹⁰⁾, Barbara J. Gitlitz ⁽¹⁰⁾, Nasser Altorki ⁽¹²⁾ Leeds, UK ⁽¹⁾, Stanford/US ⁽²⁾, Shanghai/CN ⁽³⁾, Barcelona/ES ⁽⁴⁾, Seattle/US ⁽⁵⁾, Pittsburg/US ⁽⁶⁾, Muenster/DE ⁽⁷⁾, Barcelona/ES ⁽⁸⁾, Everett/US ⁽⁹⁾ South San Francisco/US ⁽¹⁰⁾, Welwyn Garden City/UK ⁽¹¹⁾, New York/US ⁽¹²⁾

14:10-14:25

0-027

Comparison of indocyanine green near-infrared fluorescence guided and traditional mediastinal lymphadenectomy during radical esophagectomy: a randomized controlled trial

Jianting Du, Taidui Zeng, Shuliang Zhang, Maohui Chen, Guanglei Huang, Chun Chen, Bin Zheng

Fujian/CH



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EVOLUTION IN MINIMALLY INVASIVE THORACIC SURGERY SESSION VI

MONDAY 5 JUNE 2023 14:30 - 16:00 h ·

SILVER PLENARY

Chairs: Henrik Jessen Hansen (Copenhagen/DK)
Ricardo Mingarini Terra (Sao Paulo/BR)

14:30-14:37

0-028 - Is uniportal video-assisted thoracoscopic major lung resection a valuable approach after induction chemotherapy? A case match analysis

Marco Andolfi⁽¹⁾, Michele Salati⁽¹⁾, Elisa Meacci⁽²⁾, Francesco Xiumè⁽¹⁾, Alberto Roncon⁽¹⁾, Gian Marco Guiducci⁽¹⁾, Michela Tiberi⁽¹⁾, Anna Chiara Nanto⁽¹⁾, Dania Nachira⁽²⁾, Adriana Nocera⁽²⁾, Giuseppe Calabrese⁽²⁾, Maria Teresa Congedo⁽²⁾, Riccardo Inchingolo⁽²⁾, Stefano Margaritora⁽²⁾, Majed Refai⁽¹⁾
Ancona/IT⁽¹⁾, Roma/IT⁽²⁾

14:50-14:57

0-029 - A propensity-matched analysis of robotic versus open right upper lobectomy in medicare beneficiaries: is it worth the cost

Stuart Campbell, Alper Toker, Jason Lamb, James Mehaffey, Vinay Badhwar, Jeremiah Hayanga
Morgantown/US

15:00-15:07

0-030 - Robotic nodal upstaging compared to videotoracoscopic and open approaches for resected non-small cell lung cancer. A propensity scores matching analysis from the brazilian lung cancer registry

Alberto Jorge Monteiro Dela Vega⁽¹⁾, Ricardo Mingarini Terra⁽¹⁾, Leticia Leone Lauricella⁽¹⁾, Isabelle alves Chirichela⁽¹⁾, Eserval Rocha Junior⁽¹⁾, Jefferson Luiz Gross⁽¹⁾, Federico Enrique Garcia Cipriano⁽²⁾, Henrique Nietmann⁽³⁾, Fábio May Da Silva⁽⁴⁾, Danielle Cristine Campos Bedin⁽¹⁾, Paulo Manuel Pêgo-Fernandes⁽¹⁾
São Paulo, Brazil⁽¹⁾, Ribeirão Preto, Brazil⁽²⁾, São José Do Rio Preto, Brazil⁽³⁾, Florianópolis, Brazil⁽⁴⁾

15:10-15:17

0-031 - Are the efficacy and safety of chest tube in uniportal-video-assisted thoracic surgery (vats) related to the level of intercostal space insertion or to the drain type?: A prospective multicenter study

Dania Nachira⁽¹⁾, Pietro Bertoglio⁽²⁾, Mahmoud Ismail⁽³⁾, Antonio Giulio Napolitano⁽¹⁾, Carolina Sassorossi⁽¹⁾, Giuseppe Calabrese⁽¹⁾, Elisa Meacci⁽¹⁾, Maria Teresa Congedo⁽¹⁾, Marco Chiappetta⁽¹⁾, Leonardo Petracca Ciavarella⁽¹⁾, Filippo Lococo⁽¹⁾, Piergiorgio Solli⁽²⁾, Stefano Margaritora⁽¹⁾
Roma/IT⁽¹⁾, Bologna/IT⁽²⁾, Potsdam/DE⁽³⁾

15:20-15:27

0-032 - Ergonomic assessment of robotic versus thoracoscopic thymectomy

Riccardo Tajè⁽¹⁾, Michael Peer⁽²⁾, Filippo Tommaso Gallina⁽³⁾, Vincenzo Ambroggi⁽¹⁾, Sharbel Azzam⁽²⁾, Enrico Melis⁽³⁾, Stefano Elia⁽⁴⁾, Idit Matot⁽⁵⁾, Francesco Facciolo⁽³⁾, Alexandro Patirelis⁽¹⁾, Eugenio Pompeo⁽¹⁾
Rome/IT⁽¹⁾, Tel Aviv/IL⁽²⁾, Rome/IT⁽³⁾, Campobasso/IT⁽⁴⁾, Tel Aviv/IL⁽⁵⁾

15:30-15:37

0-033 - Long-term patient-reported outcomes of robotic-assisted thoracoscopic surgery versus video-assisted thoracoscopic surgery for lung cancer: a longitudinal cohort study

Xing Wei⁽¹⁾, Hongfan Yu⁽¹⁾, Qiuling Shi⁽¹⁾, Qiang Li⁽¹⁾, Ding Yang⁽²⁾, Wei Dai⁽¹⁾
Chengdu/CN⁽¹⁾, Beijing/CN⁽²⁾

15:40-15:50

The RAVAL Trial

Jean-Marc Baste (Rouen/FR)



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YOUNG INVESTIGATORS AWARD SESSION VIII

MONDAY 5 JUNE 2023 16:30 - 18:00 h ·

SILVER PLENARY

Chairs: Enrico Ruffini (Torino/IT)

Jérémy Tricard (Limoges/FR)

Reviewers: Pierre Emmanuel Falcoz (Strasbourg/FR)

Enrico Ruffini (Torino/IT)

Jérémy Tricard (Limoges/FR)

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

16:30-16:38

0-037 - Robotic-assisted thoracoscopic anatomical lung resections improves pulmonary outcomes in overweight and obese patients: a propensity score matching analysis

Clara Forcada-Barreda, Teresa Gomez-Hernandez, Marta G Fuentes-Gago, Cristina E Rivas-Duarte, Nuria M Novoa, Jose L Aranda-Alcaide, Gonzalo Varela, Marcelo Jimenez

Salamanca/ES

16:38-16:41

Discussant: Francesco Guerrera (Torino/IT)

16:45-16:53

0-038 - Video-assisted mediastinoscopic lymphadenectomy (VAMLA): mature results for staging non-small cell lung cancer (NSCLC) with normal mediastinum clinically staged with positron emission tomography-computed tomography (PET-CT)

Nina Reig-Qussedik, Sergi Call, Carme Obiols, Ramon Rami-Porta, Luis Luizaga, Adria Lloret, Lucia Reyes Cabanillas-Paredes, Juan Manuel Ochoa-Alba, Mireia Serra-Mitjans

Terrassa/ES

16:53-16:56

Discussant: David Waller (London/UK)

17:00-17:08

0-039 - Ventilation efficiency/ventilation carbon dioxide (VE/VCO₂) slope in cardiopulmonary exercise test is independently associated with postoperative outcomes of lung resections

Amr Rushwan, Javeria Tariq, Demetrios Stefanou, Polyvios Drosos, Richard Milton, Nilanjan Chaudhuri, Kostas Papagiannopoulos, Peter Tcherveniakov, Elaine Teh, Laura Valuckiene, Alex Brunelli

Leeds/UK

17:08-17:11

Discussant: Michel Gonzalez (Lausanne/CH)

17:15-17:23

0-040 - Preoperative fluorodeoxyglucose positron emission tomography/computed tomography (fdg pet/ct) SUVmean and SUVmax predict survival in lung neuroendocrine neoplasms

Patrick Soldath, Tina Binderup, Andreas Kjaer, Ulrich Knigge, Seppo Langer, René Horsleben Petersen

Copenhagen/DK

17:23-17:26

Discussant: José María Matilla González (Valladolid/ES)

17:30-17:38

0-041 - Genetic profiles and immune checkpoint expression of primary oligometastatic non-small cell lung cancer and corresponding brain metastases

Raphael S. Werner, Alex Soltermann, Holger Moch, Michael Weller, Emilie Le Rhun, Tobias Weiss, Luca Regli, Alessandra Curioni-Fontecedro, Isabelle Opitz

Zurich/CH

17:38-17:41

Discussant: Kenichi Suda (Osaka/JP)

17:45-17:53

0-042 - Does the positron emission computed tomography decrease the risk of the thoracoscopic lobectomy for benign disease? The propensity score matched cohort study.

Dominika Marta Zielinska, Piotr Skrzypczak, Piotr Gabryel, Mariusz Kasprzyk, Cezary Piwkowski

Poznan/PL

17:53-17:56

Discussant: Shadi Hamouri (Amman/JO)



GENERAL ASSEMBLY

MONDAY 5 JUNE 2023 18:00 - 19:00 h ·

SILVER PLENARY





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RED 1



MISCELLANEOUS SESSION III

MONDAY 5 JUNE 2023 08:00 - 09:00 h · RED 1

Chairs: Hiroshi Date (Kyoto/JP)
Michele Salati (Ancona/IT)

0-013 **WITHDRAWN**

08:00-08:07

0-088 - Validity of prolonged air leak probability score in primary spontaneous pneumothorax

Necati Citak ⁽¹⁾, Servet Özdemir ⁽²⁾
Izmir/TK ⁽¹⁾, Istanbul/TK ⁽²⁾

08:10-08:17

0-014 - Complete anatomic segmentectomy shows improved oncologic outcomes compared to incomplete anatomic segmentectomy

Miles Mcallister, Matthew M. Rochefort, Paula Ugalde Figueroa, Rachel Leo, Evert A. Sugarbaker, Anupama Singh, Julio Herrera-Zamora, Rafael R. Barcelos, Emanuele Mazzola, Steven J. Mentzer, Jon O. Wee, M. Blair Marshall, Daniel C. Wiener, Ciaran J. McNamee, Antonio Coppolino, Brian Whang, Abby White, Christopher T. Ducko, Michael T. Jaklitsch, Raphael Bueno, Scott J. Swanson
Boston/US ⁽¹⁾

08:20-08:27

0-015 - Prognostic significance of lymph nodes assessment during pulmonary metastasectomy: a systematic review and meta-analysis

Fabrizio Minervini ⁽¹⁾, Allen Li ⁽²⁾, Marianna Qu ⁽³⁾, Henning Nilius ⁽⁴⁾, Yaron Shargall ⁽⁵⁾
Lucerne/CH ⁽¹⁾, Ottawa/CN, ⁽²⁾ Kingston/CN ⁽³⁾, Bern/CH ⁽⁴⁾, Hamilton/CN ⁽⁵⁾

08:30-08:37

0-016 - Development of a novel layered polyglycolic acid material to cover rat critical size defects of the trachea and improvement of tracheal healing by inhalation of basic fibroblast growth factor

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

08:40-08:47

0-017 - lung cancer outcomes in the elderly: potential disparity in screening

Anupama Singh, Emanuele Mazzola, Yue Xie, M Blair Marshall, Michael T Jaklitsch, Fatima G Wilder
Boston/US

08:50-08:57

0-018 - Pulmonary part solid nodules are different from pure solid nodules in many ways

Runhua Yu, Hanyue Li, Zhitao Gu, Wentao Fang
Shanghai/CH



THORACIC INFECTIONS OF SURGICAL INTEREST

MONDAY 5 JUNE 2023 13:30 - 14:30 h · RED 1

Chairs: Rajan Santosham (Chennai/IN)
Souheil Boubia (Casablanca/MA)

- **Surgical Treatment of Non-Tubercular Lung Infections**
John D Mitchell (Aurora/US)
- **Surgical Treatment of Tubercular Lung Infections**
Souheil Boubia (Casablanca/MA)
- **Role of Robotic Surgery in the Treatment of Thoracic Infections**
Alessandro Wasum Mariani (Sao Paolo/BR)
- **ERAS in the Present-Day Management of Thoracic Infections**
Rajiv Santosham (Chennai/IN)
- **Discussion**



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SCIENTIFIC PROGRAM - MONDAY 5 JUNE

RED 1



TRACHEAL SURGERY AND TRACHEOMALACIA IN CO-OPERATION WITH SOCIETY OF THORACIC SURGEONS

MONDAY 5 JUNE 2023 14:30 - 15:30 h ·

RED 1

Chairs: Sidhu Gangadharan (Boston/US)
Konrad Hoetzenecker (Vienna/AT)

- Development of tracheobronchomalacia in patients with severe SARS-CoV-2 illness
Serena Conforti (Milan/IT)
- Evaluation of tracheobronchomalacia and non-surgical treatments
Kostas Papagiannopoulos (Leeds/UK)
- Surgical treatment of tracheobronchomalacia
Sidhu Gangadharan (Boston/US)
- Robotic tracheobronchoplasty
Jennifer Lynn Wilson (Boston/US)



PULMONARY NEOPLASTIC I: ADVANCED STAGE LUNG CANCER SESSION VII

MONDAY 5 JUNE 2023 16:00 - 17:00 h ·

RED 1

Chairs: Clemens Aigner (Vienna/AT)
Mario Nosotti (Milan/IT)

Award: ESTS-AATS Foundation Excellence
Award 2000 euros

PRO & CON DEBATE

16:00-16:10

Neoadjuvant Immunotherapy for Lung Cancer stage II -
PRO

Brendon Stiles (New York/US)

16:15-16:25

Neoadjuvant Immunotherapy for Lung Cancer stage II -
CON

Eric Lim (London/UK)

16:30-16:37

**O-034 - Surgery in small-cell lung cancer for any t-stage
and positive lymph nodes?**

Fabian Doerr, Servet Böiükbas, Hruy Mengheshha
Essen/DE

16:40-16:47

**O-035 - Minimally invasive surgery for clinical t4 non-
small cell lung cancer: national trends and outcomes**

Mostafa M Elbahrawy ⁽¹⁾, Mohamed K Kamel ⁽²⁾, J. Humberto
Rodriguez-Quintero ⁽¹⁾, John P Skendelas ⁽¹⁾, Marc vimolratana
⁽¹⁾, Neel P Chudgar ⁽¹⁾, Brendon M stiles ⁽¹⁾
New York/US ⁽¹⁾, Michigan/US ⁽²⁾

16:50-16:57

**O-036 - Clinical n-staging subclassification among
stage III-N2 non small cell lung cancer (nscl) patients
undergoing trimodality therapy**

Junghee Lee ⁽¹⁾, Yun Soo Hong ⁽²⁾, Jin Lee ⁽¹⁾, Genehee lee ⁽¹⁾,
Danbee Kang ⁽¹⁾, Jeonghee Yun ⁽¹⁾, Yeong Jeong Jeon ⁽¹⁾,
Seong-Yong Park ⁽¹⁾, Yong Soo Choi ⁽¹⁾, Jhingook Kim ⁽¹⁾, Young
Mog Shim ⁽¹⁾, Jong Ho Cho ⁽¹⁾, Eliseo Guallar ⁽²⁾, Juhee Cho ⁽¹⁾,
Hong Kwan Kim ⁽¹⁾
Seoul/South Korea ⁽¹⁾, Baltimore/US ⁽²⁾



ESOPHAGEAL SESSION IX

MONDAY 5 JUNE 2023 17:00 - 18:00 h ·

RED 1

Chairs: Georges Decker (Luxembourg/LU)
Puja Gaur Khaitan (Abu Dhabi/AE)

17:00-17:07

**O-043 - Predictive factors of pathological complete
response after neoadjuvant therapy for esophageal
cancer patients: an national cancer database (ncdb)-
based nomogram**

Yugin Cao ⁽¹⁾, Yajie Zhang ⁽¹⁾, Binhao Huang (2,3,4,5),
Han Tang ⁽⁶⁾, Jules Lin ⁽⁷⁾, Lijie Tan ⁽⁶⁾, Jie Zhang (2,5), Hecheng
Li ⁽¹⁾
Shanghai/CN ⁽¹⁾, Shanghai/CN ⁽²⁾, Shanghai/CN ⁽³⁾
Shanghai/CN ⁽⁴⁾, Pittsburgh/US ⁽⁵⁾, Shanghai/CN ⁽⁶⁾,
Ann Arbor/US ⁽⁷⁾

17:10-17:17

**O-044 - Early versus delayed surgery following
neoadjuvant chemoradiation for esophageal cancer: a
systematic review and meta-analysis** “Mithun Nariampalli
Kartharth, Anvin Mathew, Deepti Ramachandra, Anuj Goyal,
Neeraj Yadav, Nirjhar Raj Rakesh, Puneet Dhar
Rishikesh/IN



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17:20-17:27

0-045 - Postoperative survival effect of the number of examined lymph nodes in node-negative esophageal squamous cell carcinoma

Zhiyu Li, Wenwu He, Changding Li, Yongtao Han
Chengdu/CN

17:30-17:37

0-046 - Plasma cell-free deoxyribonucleic acid (dna) 5-hydroxymethylcytosine and whole-genome sequencing signatures for early detection of esophageal cancer

Di Lu⁽¹⁾, Xuanzhen Wu⁽¹⁾, Shuangxiu Wu⁽²⁾, Hui Li⁽²⁾, Xuebin Yan⁽¹⁾, Jianxue Zhai⁽¹⁾, Xiaoying Dong⁽¹⁾, Siyang Feng⁽¹⁾, Fuming Sun⁽¹⁾, Shaobo Wang⁽³⁾, Xueying Zhang⁽¹⁾, Kaican Cai⁽¹⁾
Guangdong/CN⁽¹⁾, Beijing/CN⁽²⁾

17:40-17:47

0-047 - Survival outcomes of three-field lymph node dissection during esophagectomy in esophageal squamous cell carcinoma after neoadjuvant concurrent chemoradiation therapy

Bubse Na, Chang Hyun Kang, Ji Hyeon Park, Kwon Joong Na, Samina Park, In Kyu Park, Young Tae Kim
Seoul/KR



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SCIENTIFIC PROGRAM - MONDAY 5 JUNE

WHITE 1

PRACTICAL SESSION FOR NURSES & ALLIED HEALTH PROFESSIONALS

MONDAY 5 JUNE 2023 11:45 - 12:30 h ·

WHITE 1

Organiser: Veronica Rossi (Milan/IT)

Chair: Martina Santambrogio (Milan/IT)

Hands-On WORKSHOP:

- Airway clearance techniques in thoracic surgery
- Management of thoracic drainage

SYMPOSIUM FOR NURSES & ALLIED HEALTH PROFESSIONALS

MONDAY 5 JUNE 2023 13:30 - 18:00 h ·

WHITE 1

Award: Best Abstract 500 euros award

13:30-14:30

Pulmonary Rehabilitation in Thoracic Surgery

Session in co-operation with ARIR

(Association of Rehabilitators for Respiratory Insufficiency)

Chairs: Martina Santambrogio (Milan/IT)

Florian Fehlmann (Zurich/CH)

Physiotherapy in the surgical patient: from intensive care to home discharge

Sara Mariani (Milan/IT)

Exercise training after lung transplantation

Veronica Rossi (Milan/IT)

Preoperative pulmonary rehabilitation before lung surgery

Caroline Botteau (Lausanne/CH)

Discussion

14:30-14:40

Break

14:40-15:40

SHORT TOPICS

N1

What's going on in the hospital? – Investigating patient experiences of prolonged hospitalisation after video assisted thoracoscopic surgery: a qualitative study

Pernille Orloff Donsel (Copenhagen/DK)

N2

Perioperative distress screening for patients with lung cancer – do we have to reconsider current practice?

Florian Fehlmann (Zurich/CH)

N3

Presence in the cold room - perioperative nurses' experiences with the patient encounter

Johanne Søborg Hartmann (Copenhagen/DK)

N4

Do enhanced recovery after lung cancer surgery programs risk putting primacy of caring at stake? A qualitative focus group study on nurses' perspectives

Malene Missel (Copenhagen/DK)

N5

Chest tube management in our enhanced recovery protocol for lung cancer surgery

Johnny Moons (Leuven/BE)

N6

'BEING LUCKY' – an ethnographic exploration of narratives about operable lung cancer

Mai Nanna Schoenau (Copenhagen/DK)

15:40-16:00

BREAK – POSTERS DISCUSSION

N7

Evaluation of preoperative anxiety in thoracic surgery patients and its affecting factors

Melike Arslan (Istanbul/TK)

N8

Does vats reduce anxiety in chest surgery patients? Another advantage of minimal invasive surgery

Melike Arslan (Istanbul/TK)

N9

Effect of neuro-linguistic programming on COVID-19 fear and anxiety in patients have been infected at pneumoresection perioperative period: a randomized controlled study

Guanglei Huang (Fuzhou/CN)

N10

ENHANCED RECOVERY PROTOCOL (ERP) IN EARLY-STAGE LUNG TUMORS OPERATED THROUGH MINIMALLY INVASIVE ACCESS (UPDATE 2022).

Johnny Moons (Leuven/BE)

N11

Long term outcomes after lung transplantation in a critically ill covid-19 patient: a case report

Veronica Rossi (Milan/IT)



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N12

Telemonitoring in cystic fibrosis lung transplant Recipients

Martina Santambrogio (Milan/IT)

N13

Revolutionizing patient monitoring in thoracic Oncology & beyond

Marijana Zubrinic (Toronto/CA)

16:00-16:30

HOT TOPICS IN THE CARE OF THE THORACIC SURGERY PATIENT

Chairs: Veronica Rossi (Milan/IT)

Johnny Moons (Leuven/BE)

Speaker: Eva Puttevils (Leuven/BE)

16:40-17:40

Enhanced Recovery after Thoracic Surgery

Session in co-operation with POIS

(PeriOperative Italian Society ERAS Italian

Chapter)

Chairs: Andrea Droghetti (Turin/IT)

Luca Gianotti (Milan/IT)

Implementation of a Prehabilitation Program with in a ERAS program

Gabriele Baldini (Milan/IT)

Patient Engagement Evaluation and Preparation

Guendalina Graffigni (Milan/IT)

ERAS Society Accreditation and Institutional Pathway

Felice Borghi (Milan/IT)

The role of Nurse/Case manager in telemonitoring after early discharge in ERAS protocol

Stefano Sestini (Mantova/IT)

How modern technology and app can help?

Elisa Bertocchi (Verona/IT)

ERAS and physiotherapy

Emilia Privitera (Milan/IT)

Immune modulating nutrition, and immediate resumption of oral diet

Camilla Fiorindi (Milan/IT)

Discussion

17.40-18:00

Closing of the Symposium / Award Ceremony

HOSPITAL TOUR

TUESDAY, 6 JUNE 2023 10:00 - 12:00 h

FONDAZIONE IRCCS CA' GRANDA-OSPEDALE

- Meeting for group at 9:45h in Via Sforza 35 Milan.
- It is located in the center of Milan near the subway Crocetta (yellow line).



Fondazione IRCCS
Ca' Granda
Ospedale Maggiore
Policlinico



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Exhibition Area - Posters Area



MODERATED POSTER SESSION

MONDAY 5 JUNE 2023 17:00 - 18:00 h -

EXHIBITION AREA - POSTERS AREA

Chairs: Marcello Migliore (Catania/IT)

Katarzyna Zanowska (Krakow/PL)

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

17:00-17:03

P-013 - Bedside chest ultrasonography for evaluation of patients after video-assisted thoracic surgery (vats) lobectomy

Roberto Cascone, Annalisa Carlucci, Domenico Caporale, Gabriella Giudice, Cosimo Lequaglie
Rionero In Vulture/IT

17:05-17:08

P-014 - Survival outcome in patients with thymoma distant recurrence who underwent surgical resection

Marco Chiappetta⁽¹⁾, Carolina Sassorossi⁽¹⁾, Filippo Lococo⁽¹⁾, Elisa Meacci⁽¹⁾, Enrico Ruffini⁽²⁾, Francesco Guerrero⁽²⁾, Paraskevas Lyberis⁽²⁾, Vittorio Aprile⁽³⁾, Marco Lucchi⁽³⁾, Marcello Carlo Ambrogi⁽³⁾, Diana Bacchin⁽³⁾, Andrea Dell'Amore⁽⁴⁾, Giovannimaria Comacchio⁽⁴⁾, Carlotta Marino⁽⁴⁾, Gabriella Roca⁽⁴⁾, Stefano Margaritora⁽¹⁾
Rome/IT⁽¹⁾, Turin/IT⁽²⁾, Pisa/IT⁽³⁾, Padua/IT⁽⁴⁾

17:10-17:13

P-015 - Preoperative diagnostic accuracy of mediastinal lymph node staging in patients with neuroendocrine lung tumors

Fabian Doerr, Hruy Menghesha, Kaid Darwiche, Dirk Theegarten, Hubertus Hautzel, Martin Schuler, Servet Bölükbas
Essen/DE

17:15-17:18

P-016 - Feasibility of computed tomography-derived surgical margin assessment in ex-vivo porcine sublobar lung resection model

Shinsuke Kitazawa, Nicholas Bernards, Alexander Gregor, Yuki Sata, Yoshihisa Hiraishi, Hiroyuki Ogawa, Takamasa Koga, Tsukasa Ishiwata, Masato Aragaki, Fumi Yokote, Andrew Effat, Kate Kazlovich, Robert Weersink, Michael Cabanero, Kazuhiro Yasufuku
Toronto/CA

17:20-17:23

P-017 - Changes in quality of life after lung cancer diagnosis according to race

Tara Ivic-Pavlicic, Shivam Joshi, Raja Flores, Emanuela Taioli
New York/US

17:25-17:28

P-018 - A Proposal for pathological t subclassification in the lung cancer tnm staging system, multiple t factor
Hüseyin Melek, Tolga Evrim Sevinç, Gizem Gedikoglu Pirim, Elçin Süleymanoglu, Ahmet Sami Bayram, Cengiz Gebitekin
Bursa/TK

17:30-17:33

P-019 - The prognostic value of thyroid transcription factor 1 in long-term survival of patients suffering from pulmonary carcinoids

Hruy Menghesha, Fabian Dörr, Kaid Darwiche, Martin Schuler, Hubertus Hautzel, Dirk Theegarten, Servet Bölükbas
Essen/DE

17:35-17:38

P-020 - Importance of the ratio of the surgical margin to nodule size in pulmonary metastasectomy for colorectal carcinoma

Ali Ozdil, Gizem Kececi Ozgur, Merve Ezgi Unal, Ayşe Gul Ergonul, Tevfik Ilker Akcam, Pinar Gursoy, Deniz Nart, Kutsal Turhan, Alpaslan Cakan, Ufuk Cagirici
Izmir/TK

17:40-17:43

P-021 - The comparison of early outcomes and cost for robotic versus video-assisted thoracoscopic anatomical resection of lung cancer

Ji Hyeon Park, Chang Hyun Kang, Bubse Na, Kwon Joong Na, Samina Park, Hyun Joo Lee, In Kyu Park, Young Tae Kim
Seoul/KR

17:45-17:48

P-022 - Assessment of long-term results of intercostal nerve reconstruction, “the gebitekin technique” for the treatment of severe compensatory hyperhidrosis

Cengiz Gebitekin⁽¹⁾, Gamze Tanrikulu⁽²⁾, Hüseyin Melek⁽¹⁾, Tolga Evrim Sevinç⁽¹⁾, Elçin Süleymanoglu⁽¹⁾, Gizem Gedikoglu Pirim⁽¹⁾, Basak Görüşün⁽¹⁾, Ahmet Sami Bayram⁽¹⁾
Bursa/TK⁽¹⁾, Ankara/TK⁽²⁾

17:50-17:53

P-023 - Does three-dimensional (3D) printing enhance results in lung resection surgery?

Sebastián Sevilla López⁽¹⁾, Guadalupe Carrasco-Fuentes⁽¹⁾, David Poveda-Chávez⁽¹⁾, Antonio Bravo-Cerro⁽¹⁾, Carlos-Ilia Herráiz-Montalvo⁽¹⁾, Carlos Giraldo-Ospina⁽²⁾
Jaén, ES⁽¹⁾, Málaga/ES⁽²⁾

17:55-17:58

P-024 - Practical methods to differentiate thymic malignancies using positron emission tomography/computed tomography (pet/ct) and tumor markers

Takahiro Yanagihara, Tomoyuki Kawamura, Naoki Maki, Naohiro Kobayashi, Shinji Kikuchi, Yukinobu Goto, Hideo Ichimura, Yukio Sato
Tsukuba/JP

Tsukuba/JP



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SILVER PLENARY



PULMONARY NEOPLASTIC II: EARLY STAGE LUNG CANCER SESSION X

TUESDAY 6 JUNE 2023 08:00 - 09:00 h -

SILVER PLENARY

Chairs: Roberto Crisci (Teramo/IT)
Kenji Suzuki (Tokyo/Jp)

Award: ESTS-AATS Foundation Excellence Award
2000 euros

08:00-08:10

Ablation for early stage lung cancer

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

08:15-08:25

SBRT

Matthias Guckenberger (Zurich/CH)

08:30-08:37

0-048 - Short-term surgical outcomes of segmentectomy for primary lung cancer: a retrospective comparative study of robot-assisted thoracoscopic surgery and open thoracotomy or video-assisted thoracoscopic surgery

Tomohiro Haruki, Shunsuke Kojima, Shinji Matsui, Takashi
Ohno, Yasuaki Kubouchi, Hiroshige Nakamura
Yonago-City/Jp

08:40-08:47

0-049 - Does consolidation tumor size of part-solid adenocarcinoma affect survival in patients with lung cancer undergoing surgery? - propensity score matching analysis

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

08:50-08:57

0-050 - Does sublobar resection understage patients with 1.5-2cm clinical ia2 non-small cell lung cancer?

Jorge Humberto Rodriguez-Quintero ⁽¹⁾, Mohamed Kamel ⁽²⁾,
Mostafa Elbahrawy ⁽¹⁾, John Skendelas ⁽¹⁾, Marc Vimolratana ⁽¹⁾,
Neel Chudgar ⁽¹⁾, Brendon Stiles ⁽¹⁾
New York City/US, Mt. Pleasant/US

09:00-09:07

0-051 - Left upper segmentectomy vs lobectomy for the treatment of early non-small-cell lung cancer

Shinya Tane ⁽¹⁾, Jiro Okami ⁽²⁾, Yasushi Shintani ⁽³⁾, Takashi
Ohtsuka ⁽⁴⁾, Hiroyuki Ito ⁽⁵⁾, Shun-Ichi Watanabe ⁽⁶⁾, Shinichi
Toyooka ⁽⁷⁾, Takeshi Mori ⁽⁸⁾, Masayuki Chida ⁽⁹⁾, Shunsuke
Endo ⁽¹⁰⁾, Ryoichi Nakanishi ⁽¹¹⁾, Mitsutaka Kadokura ⁽¹²⁾, Hidemi
Suzuki ⁽¹³⁾, Etsuo Miyaoka ⁽¹⁴⁾, Ichiro Yoshino ⁽¹³⁾, Hiroshi Date
⁽¹⁵⁾

Kobe/Jp ⁽¹⁾, Osaka/Jp ⁽²⁾, Suita/Jp ⁽³⁾, Tokyo/Jp ⁽⁴⁾, Yokohama/
Jp ⁽⁵⁾, Tokyo/Jp ⁽⁶⁾, Okayama/Jp ⁽⁷⁾, Kumamoto/Jp ⁽⁸⁾, Tochigi/
Jp ⁽⁹⁾, Tochigi/Jp ⁽¹⁰⁾, Nagoya/Jp ⁽¹¹⁾, Yokohama/Jp ⁽¹²⁾, Chiba/
Jp ⁽¹³⁾, Tokyo/Jp ⁽¹⁴⁾, Kyoto/Jp ⁽¹⁵⁾

09:10-09:17

0-052 - Is wedge resection really enough for stage i lung cancer? Results of the seer database

Luigi Ventura, David Waller
London/UK

09:20-09:27

0-053 - Segmentectomy versus lobectomy for non small cell lung cancer: the impact of tumor location

Lye-Yeng Wong, Ntemena Kapula, Douglas Liou, Mark F Berry
Palo Alto/US



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SILVER PLENARY



EXTRAORDINARY GUEST LECTURE

TUESDAY 6 JUNE 2023 09:30 - 10:00 h ·

SILVER PLENARY

Telmo Pievani (Padua/IT)

Burdens and Opportunities of being Imperfect



MEDIASTINUM SESSION XII

TUESDAY 6 JUNE 2023 10:30 - 11:30 h ·

SILVER PLENARY

Chairs: Alper Toker (Morgantown/US)

Bernhard Moser (Vienna/AT)

10:30-10:37

Lessons Learned from 1000 Robotic Assisted Thoracic Surgery (RATS) Thymectomies

Jens Rueckert (Berlin/DE)

10:40-10:47

O-063 - Impact of positive nodal metastases in patients with thymic malignancies: a propensity-matched study based on the seer database

Songhua Cai ⁽¹⁾, Jing Huang ⁽²⁾, Youjun Deng ⁽¹⁾, Chujian Huang ⁽¹⁾, Chunguang Wang ⁽¹⁾, Yikun Yang ⁽¹⁾, Chenglin Yang ⁽¹⁾, Zhe Wang ⁽¹⁾, Lixu Wang ⁽¹⁾, Xiaotong Guo ⁽¹⁾, Kai Ma ⁽¹⁾, Zhentao Yu ⁽¹⁾

Shenzhen/CN⁽¹⁾, Guangzhou/CN ⁽²⁾

10:50-10:57

O-064 - Thymoma metabolic signatures: discovery of potential biomarkers and treatment targets

J. Wyatt Miller ⁽¹⁾, John K. Waters ⁽¹⁾, Thomas P. Mathews ⁽¹⁾, Brandon M. Faubert ^(2,1), Ralph J. Deberardinis ⁽¹⁾, Kemp H. Kernstine ⁽¹⁾

Texas/US ⁽¹⁾, Illinois/US ⁽²⁾

11:00-11:07

O-065 - Robotic thymectomy in thymoma: a multicenter nation-wide study

Marco Schiavon ⁽¹⁾, Giovanni Maria Comacchio ⁽¹⁾, Carmelina Cristina Zirafa ⁽²⁾, Angela De Palma ⁽³⁾, Roberto Scaramuzzi ⁽⁴⁾, Elisa Meacci ⁽⁵⁾, Stefano Bongiolatti ⁽⁶⁾, Nicola Monaci ⁽⁷⁾, Paraskevas Lyberis ⁽⁸⁾, Edoardo Bottoni ⁽⁹⁾, Jury Brandolini ⁽¹⁰⁾, Sara Parini ⁽¹¹⁾, Sara Ricciardi ⁽¹²⁾, Antonio D'Andrilli ⁽¹³⁾, Pierluigi Novellis ⁽¹⁴⁾, Erino Angelo Rendina ⁽¹³⁾, Giuseppe Cardillo ⁽¹²⁾, Ottavio Rena ⁽¹¹⁾, Piergiorgio Solli ⁽¹⁰⁾, Marco Alloisio ⁽⁹⁾, Enrico Ruffini ⁽⁸⁾, Luca Luzzi ⁽⁷⁾, Francesco Facciolo ⁽¹⁵⁾, Luca Voltolini ⁽⁶⁾, Stefano Margaritora ⁽⁵⁾, Carlo Curcio ⁽⁴⁾, Giulia Veronesi ⁽¹⁴⁾, Giuseppe Marulli ⁽³⁾, Franca Melfi ⁽²⁾, Federico Rea ⁽¹⁾

Padova/IT ⁽¹⁾, Pisa/IT ⁽²⁾, Bari/IT ⁽³⁾, Napoli/IT ⁽⁴⁾, Roma/IT ⁽⁵⁾, Firenze/IT ⁽⁶⁾, Siena/IT ⁽⁷⁾, Torino/IT ⁽⁸⁾, Milano/IT ⁽⁹⁾, Bologna/IT ⁽¹⁰⁾, Novara/IT ⁽¹¹⁾, Roma/IT ⁽¹²⁾, Roma/IT ⁽¹³⁾, Milano/IT ⁽¹⁴⁾, Roma/IT ⁽¹⁵⁾

11:10-11:17

O-066 - Neoadjuvant concurrent chemoradiotherapy for locally advanced high-grade thymic tumors: a single- arm phase ii clinical trial

Ning Xu, Changlu Wang, Xiuxiu Hao, Qin Zhang, Wentao Fang
Shanghai/CN

11:20-11:27

O-067 - Cyfra 21-1 is a potential tumor marker with diagnostic and prognostic value for thymic epithelial tumors

Xuefei Zhang, Zhitao Gu, Teng Mao, Xiuxiu Hao, Wentao Fang
Shanghai/CN



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“Milano 2023 - Nothing like ESTS”

SCIENTIFIC PROGRAM - TUESDAY 6 JUNE

SILVER PLENARY



NEW GUIDELINES

TUESDAY 6 JUNE 2023 11:30 - 12:00 h ·
SILVER PLENARY

- **ESTS-AATS VTE Guidelines**
Yaron Shargall (Hamilton/CA)



TNM CLASSIFICATION: FROM THE 8TH TO THE 9TH EDITION SESSION IN CO-OPERATION WITH THE INTERNATIONAL ASSOCIATION FOR THE STUDY OF LUNG CANCER (IASLC)

TUESDAY 6 JUNE 2023 13:00 - 14:00 h ·
SILVER PLENARY

Chairs: Laureano Molins (Barcelona/ES)
Paul Van Schil (Antwerp/BE)

- **Lung cancer**
James Huang (New York/US)
- **Thymic epithelial tumors**
Francesco Guerrera (Torino/IT)
- **Mesothelioma**
Valerie Rusch (New York/US)
- **Discussion**



PULMONARY NEOPLASTIC III SESSION XIV

TUESDAY 6 JUNE 2023 14:30 - 15:30 h ·
SILVER PLENARY

Chairs: Nora Mayer (Bern/CH)
Aman Coonar (Cambridge/UK)

Award: ESTS-AATS Foundation Excellence Award
2000 euros

14:30-14:37

0-074 - is time between imaging and surgery a risk factor for upstaging in patients with clinical stage I non-small cell lung cancer (NSCLC)?

Rafael R. Barcelos⁽¹⁾, Evert A. Sugarbaker⁽¹⁾, Kelvin F. Kennedy⁽²⁾, Miles Mcallister⁽¹⁾, Julio Herrera-Zamora⁽¹⁾, Rachel Leo⁽¹⁾, Sangmin Kim⁽¹⁾, Tarun Ramesh⁽¹⁾, Suzanne C. Byrne⁽¹⁾, Mark M. Hammer⁽¹⁾, Scott J. Swanson⁽¹⁾, Paula Ugalde Figueroa⁽¹⁾
Boston/US, Kansas City/US

14:40-14:47

0-075 - Both radiographic lepidic components and clinical characteristics promote favorable survival among patients with part-solid adenocarcinoma: a propensity score-matched analysis

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

14:50-14:57

0-076 - The number of metastatic lymph nodes is more predictive of prognosis than the location-based pathological N stage in resected non-small cell lung cancer

Qiuyuan Li, Fang Wang, Haojie Si, Long Xu, Hang Su, Xuefei Hu, Deping Zhao, Dong Xie, Yuming Zhu, Gening Jiang, Chang Chen
Shanghai/CN

15:00-15:07

0-077 - Reduction of presurgical mediastinal invasive tests in lung cancer. should we revise the European Society of Thoracic Surgeons (ESTS) guidelines?

Iker López Sanz⁽¹⁾, Borja Aguinagalde⁽¹⁾, Iratxe Urreta⁽¹⁾, Raul Embún⁽²⁾, Iñigo Royo⁽²⁾, Sergio Bolufer⁽³⁾, Laura Sanchez⁽⁴⁾, Jon Zabaleta⁽¹⁾, Arantza Fernández-Monge⁽¹⁾
Donostia-San Sebastian, ES⁽¹⁾ Zaragoza/ES⁽²⁾, Alicante/ES⁽³⁾, Santander/ES⁽⁴⁾

15:10-15:17

0-078 - Is underutilization of adjuvant therapy in resected non-small cell lung cancer associated with socioeconomic disparities?

Jorge Humberto Rodríguez-Quintero⁽¹⁾, Mohamed Kamel⁽²⁾, Mostafa Elbahrawy⁽¹⁾, John Skendelas⁽¹⁾, Marc Vimolratana⁽¹⁾, Neel Chudgar⁽¹⁾, Brendon Stiles⁽¹⁾
New York City/US⁽¹⁾, Mt. Pleasant/US⁽²⁾

15:20-15:27

0-079 - Influence of pleural invasion on survival in 8th edition PT3-4 N0M0 non-small-cell lung cancer: a propensity score matching study based on the seer registry

Wenqiang Zhang^(1,2), Ziming Wang⁽¹⁾, Zhuangshi Huang⁽²⁾, Diego Gonzalez Rivas^(1,3,4), Harun Badakhshi⁽⁵⁾, Mahmoud Ismail⁽¹⁾
Potsdam/DE⁽¹⁾, Zhengzhou/CN⁽²⁾, A Coruña/ES⁽³⁾, Shanghai/CN⁽⁴⁾, Berlin/DE⁽⁵⁾



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SILVER PLENARY



TRANSPLANT SESSION X- VIVO AND PRESERVATION

TUESDAY 6 JUNE 2023 15:30 - 16:30 h ·

SILVER PLENARY

Chairs: Jose Luis Campo-Cañaveral de la Cruz (Madrid/ES)
Shaf Keshavjee (Toronto/CA)

- **10 Degree preservation of lungs - is this the new clinical standard?**
Konrad Hoetzenecker (Vienna/AT)
- **Strategies to make lung transplant a scheduled operation**
Jose Luis Campo-Cañaveral de la Cruz (Madrid/ES)
- **EVLP-applications beyond donor lung assessment**
- **Implementation of a clinical EVLP Program - do it yourself or not?**
Shaf Keshavjee (Toronto/CA)



TRANSPLANT SESSION XVII

TUESDAY 6 JUNE 2023 16:30 - 17:30 h ·

SILVER PLENARY

Chairs: Paula Moreno Casado (Cordoba/ES)
Lorenzo Rosso (Milan/IT)

16:30-16:37

0-092 - THE EFFECT OF EPOPROSTENOL-INDUCED THROMBOCYTOPENIA ON LUNG TRANSPLANTATION FOR PULMONARY ARTERIAL HYPERTENSION

Naoki Date, Daisuke Nakajima, Masaki Ikeda, Shigeto Nishikawa, Satona Tanaka, Yoshito Yamada, Yojiro Yutaka, Masatsugu Hamaji, Toshi Menju, Akihiro Ohsumi, Hiroshi Date
Kyoto/JP

16:40-16:47

0-093 - Lung ultrasound is a useful method for grafts evaluation in a swine lobar transplant model

Sho Murai, Yui Watanabe, Kazunori Ueda, Tatsuaki Watanabe, Takashi Hiramata, Hisashi Oishi, Hiromichi Niikawa, Takeo Togo, Ken Onodera, Hirotsugu Notsuda, Takaya Suzuki, Masafumi Noda, Yoshinori Okada
Sendai/JP

16:50-16:57

0-094 - Results of lung transplant performed with donors over 70 years

Alejandra Romero Román, Mariana Gil Barturen, Silvana Crowley Carrasco, Lucas Hoyos Mejía, David Gómez De Antonio, Jose Manuel Naranjo Gómez, Maria Del Mar Córdoba Peláez, Ana Royuela, Jose Luis Campo-Cañaveral De La Cruz
Madrid/ES

17:00-17:07

0-095 - Clinical outcomes and cost analysis of organ delivery via public transportation in lung transplantation

Ichiro Sakanoue, Daisuke Nakajima, Jumpei Kimura, Shigeto Nishikawa, Satona Tanaka, Yoshito Yamada, Yojiro Yutaka, Akihiro Ohsumi, Masatsugu Hamaji, Toshi Menju, Hiroshi Date
Kyoto/JP

17:10-17:17

0-096 - Efficacy and safety of cryobiopsy versus forceps biopsy in lung allograft recipients: a single-center analysis

Davide Tosi, Margherita Brivio, Rosaria Carrinola, Ilaria Righi, Sebastiano Maiorca, Alessandro Palleschi, Lorenzo Rosso
Milano/IT

17:20-17:27

0-097 - Prognosis and risk of occurrence of diabetes mellitus in patients after lung transplantation

Lei-Lei Wu, Rang-Rang Wang, Dong Xie
Shanghai/CN



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RED 1



PULMONARY NON-NEOPLASTIC SESSION XI

TUESDAY 6 JUNE 2023 08:00 - 09:30 h ·

RED 1

Chairs: Cezary Piwkowski (Poznan/PL)
Walter Weder (Zurich/CH)

08:00-08:07

0-054 - Pulmonary arterial enlargement on computed tomography is associated with major cardiopulmonary complications after pulmonary lobectomy.

Keisuke Asakura ^(1,2), Nilanjan Chaudhuri ⁽¹⁾, Richard Milton ⁽¹⁾, Kostas Papagiannopoulos ⁽¹⁾, Peter Tcherveniakov ⁽¹⁾, Elaine Teh ⁽¹⁾, Laura Valuckiene ⁽¹⁾, Polyvios Drosos ⁽¹⁾, Demetrios Stefanou ⁽¹⁾, Alessandro Brunelli ⁽¹⁾
Leeds, UK ⁽¹⁾, Tokyo/JP ⁽²⁾

08:10-08:17

0-055 - Outcomes of lung volume reduction surgery for emphysema: unilateral, bilateral, and sequential

Rocio Castillo-Larios, Alejandra Yu Lee-Mateus, Daniel Hernandez-Rojas, Priyanka Pulipaka, Mathew Thomas, Samuel Jacob, Magdy M El-Sayed Ahmed, Sebastian Fernandez-Bussy, David Abia-Trujillo, Ian A Makey
Jacksonville/US

08:20-08:27

0-056 - UPPER LUNG FIELD PULMONARY FIBROSIS AFTER LUNG CANCER SURGERY: AN UNRECOGNIZED LATE COMPLICATION

Hironori Ishibashi, Yuri Sumi, Michi Aoki, Shunichi Baba, Ayaka Asakawa, Ryo Wakejima, Kenichi Okubo
Tokyo/JP

08:30-08:37

0-057 - Predictors of reoperation after lung volume reduction surgery

Alberte Lund, Patrick Soldath, Erika Nodin, Henrik Jessen Hansen, Michael Perch, Kristine Jensen, Jann Mortensen, Kåre Hornbech, Anna Kalhauge, René Horsleben Petersen
København/DK

08:40-08:47

0-058 - Safety and feasibility of same day discharge after pulmonary wedge resections: a prospective controlled clinical trial

David Sahai, Richard A Malthaner, Dalilah Fortin, Mehdi Qiabi, Rahul Nayak
London/CA

08:50-08:57

0-059 - Post operative day 1 (POD 1) discharge following thoroscopic anatomical lung resection in the growing era of sublobar resection: a single center enhanced recovery after surgery (ERAS) experience

Karel Pfeuty ⁽¹⁾, Dorian Rojas ⁽²⁾, Jules Iquille ⁽¹⁾
Saint-Brieuc, France
Rennes/FR

09:00-09:07

0-060 - Can functional determinants be taken as surrogates for post resection quality of life in post tuberculosis sequelae patients?

Kanishk Siddhartha, Saraansh Bansal, Ravindra K Dewan, Rama Phanindra
New Delhi/IN

09:10-09:17

0-061 - Comparative study between bedside chest ultrasound and chest x-ray in the diagnosis of traumatic pneumothorax: single trauma center experience

Nikoleta Stanitsa, Orestis Paliaroutas, Vakouftsi Alexia-Christina, Konstantina Stefatou, Glykeria Christou, Jenny Merizai, Loukas Mavri, Konstantinos Kalopisis, Athanasios Stamatelopoulos, Christos Chatziantoniou, Ioannis Gakidis, Petros Michos
Athens/GR

09:20-09:27

0-062 - Does tapse/spap ratio predict early outcome following pulmonary endarterectomy?

Gamze Gül Tiryaki, Reyhan Ertan, Sehnaz Olgun-Yildizeli, Onur Ermerak, Bülent Mutlu, Derya Kocakaya, Serpil Tas, Koray Ak, Nural Bekiroglu, Bedrettin Yildizeli
Istanbul/TK



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RED 1

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

TUESDAY 6 JUNE 2023 10:30 - 11:30 h ·

RED 1

Chairs: Manuel Lopez (Barcelona/ES)
Hans Van Veer (Leuven/BE)

- **Cardiac compression in congenital pectus excavatum for surgeons: the need for and impact of chest wall correction**
Ana Lain (Barcelona/ES)
- **Entire Chest wall remodelling in complex deformities**
Manuel López (Barcelona/US)
- **Chest wall reconstruction for non-pulmonary malignancies.**
Yvonne Vissers (Zuyderland/NL)
- **Quality of life after chest wall reconstruction for oncologic resections**
Niccolò Daddi (Bologna/IT)

CHEST WALL / DIAPHRAGM/PLEURA SESSION XIII

TUESDAY 6 JUNE 2023 13:00 - 14:00 h ·

RED 1

Chairs: Andrea Bille (London/UK)
Jozsef Furak (Szeged/HU)

13:00-13:07

0-068 - Incidence of and risk factors for developing pseudohernias following anatomical lung resections using robotic video-assisted thoracoscopic surgery

Andrew Behrmann, Blake Wojciechowski, Jussuf Kaifi,
Sebastian Wiesemann
Columbia, Mo/US

13:10-13:17

0-069 - Incidence and risk factors of developing a dysrhythmia after blunt thoracic trauma

Jessica M Jowers, Katherine Moore, Nathaniel Harshaw,
Hannah Karr, Kevin Van Derveer, Urhum Khaliq, David J
Cziperle Lindsey L Perea
Pennsylvania/US

13:20-13:27

0-070 - Risk factors influencing postoperative pleural empyema in patients with malignant pleural mesothelioma after multimodal therapy – a retrospective single center analysis

Peter Henschke ⁽¹⁾, Laura C. Guglielmetti ⁽²⁾, Sven Hillinger ⁽¹⁾,
Gian-Marco Monsch ⁽¹⁾, Didier Schneider ⁽¹⁾, Isabelle Opitz ⁽¹⁾,
Olivia Lauk ⁽¹⁾
Zurich/CH ⁽¹⁾, Winterthur/CH ⁽²⁾

13:30-13:37

0-071 - Balanced and continuous chest drainage pattern promotes the reduction of length of stay and postoperative complications in patients undergoing pneumonectomy

Zhao Li, Ke Xu, Xiangru Chen, Wenxin He, Xiaoxiong Xu,
Gening Jiang
Shanghai/CN

13:40-13:47

0-072 - Spontaneous sternoclavicular joint infections: achieving the best outcomes - a systems engineering analysis

Tanya Pothini ⁽¹⁾, Charles D Wilmot ⁽²⁾, John K Waters ⁽¹⁾,
Michael A Wait ⁽¹⁾, Scott I Reznik ⁽¹⁾, Kirk G Jordan ⁽¹⁾, Jaqueline
T Caire ⁽¹⁾, John M Ashworth ⁽¹⁾, Leah C Cady ⁽¹⁾, Jerzy R
Lysikowski ⁽¹⁾, Christina F Yen ⁽¹⁾, Robert C Weinschenk ⁽¹⁾,
Richard Samade ⁽¹⁾, Michael E Jessen ⁽¹⁾, Andrew Kusiak ⁽²⁾,
Kemp H Kernstine ⁽¹⁾
Dallas/US ⁽¹⁾, Iowa City/US ⁽²⁾

13:50-13:57

0-073 - Malignant pleural mesothelioma characteristics and outcomes: a seer-medicare analysis

Emanuela Taioli, Andrea Wolf, Daniel Rosenthal
New York/US



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VIDEO II SESSION XV

TUESDAY 6 JUNE 2023 14:30 - 15:30 h ·

RED 1

Chairs: Firas Emad Abu Akar (Tel Aviv/IL)
Henrik Aamodt (Eiksmarka/NO)

14:30-14:37

V-080 - Robot-assisted resection of a pulmonary intralobar sequester with arterial supply via the coeliac trunk

Tadeusz Brunn
Zürich/CH

14:40-14:47

V-081 - Maneuvers for safe vascular handling during video-assisted thoracic surgery (vats) in cases of fibrosis and inflammation secondary to neoadjuvant chemoimmunotherapy

Cagatay Cetinkaya, Hasan Fevzi Batirel
Istanbul/TK

14:50-14:57

V-082 - Robotic-assisted enucleation of large croissant-shaped leiomyoma of the lower esophagus

Domenico Galetta
Milan/IT

15:00-15:07

V-083 - Marionette methods for mediastinal lymph node dissection in minimally invasive surgery

Mingyon Mun, Junji Ichinose, Yosuke Matsuura,
Masayuki Nakao
Tokyo/JP

15:10-15:17

V-084 - Synchronous multiple thymoma - subxiphoid uniportal video-assisted thoracic surgery (vats) approach

Arthur Vieira, José Dufresne
Trois-Rivières/CA

15:20-15:27

V-085 - Robotic assisted transdiaphragmatic thymectomy: a case report

Benjamin Zhang, Oliver Chow, Sebron Harrison, Jeff Port,
Nasser Altorki, Benjamin Lee
New York/US



MISCELLANEOUS II SESSION XVI

TUESDAY 6 JUNE 2023 15:30 - 16:30 h ·

RED 1

Chairs: Gunda Leschber(Berlin/DE)
Rune Eggum (Oslo/NO)

15:30-15:37

O-086 - ERAS project in thoracic surgery: adherence and outcomes in the italian video-assisted thoracic surgery (VATS) group registry

Nicoletta Pia Ardò⁽¹⁾, Duilio Divisi⁽²⁾, Domenico Loizzi⁽¹⁾,
Andrea Droghetti⁽³⁾, Roberto Crisci⁽⁴⁾, Carlo Curcio⁽⁵⁾,
Alessandro Bertani⁽⁶⁾, Diletta Mongiello⁽¹⁾, Francesco Sollitto⁽¹⁾
Foggia/IT⁽¹⁾, Teramo/IT⁽¹⁾, Mantova/IT⁽¹⁾, L'Aquila/IT⁽¹⁾,
Napoli/IT⁽¹⁾, Palermo/IT⁽¹⁾

15:40-15:47

O-087 - Immunotherapy effectiveness in STAGE IV non-small cell lung cancer according to racial characteristics

Annie Chang, Shivam Joshi, Earnest Chen, Emanuela Taioli
New York/US

15:50-15:57

O-089 - Anatomical versus non-anatomical lung metastasectomy: european society of thoracic surgeons (ests) multicentre analysis

Elena Prisciandaro⁽¹⁾, Luca Bertolaccini⁽²⁾, Steffen Fieuwis⁽³⁾,
Andrea Cara⁽²⁾, Lorenzo Spaggiari⁽²⁾, Lin Huang⁽⁴⁾, René H Petersen⁽⁴⁾,
Marcello C Ambrogio⁽⁵⁾, Elisa Siculo⁽⁵⁾, Annalisa Barbarossa⁽¹⁾,
Paul De Leyn⁽¹⁾, Diana Sporici⁽⁶⁾, Ludovica Balsamo⁽⁶⁾, Abid Donlagic⁽⁷⁾,
Michel Gonzalez⁽⁷⁾, Marta G Fuentes-Gago⁽⁸⁾, Clara Forcada-Barreda⁽⁸⁾,
Maria T Congedo⁽⁹⁾, Stefano Margaritora⁽⁹⁾, Yaniss Belaroussi⁽¹⁰⁾, Matthieu Thumerel⁽¹⁰⁾,
Jérémy Tricard⁽¹¹⁾, Pierre Felix⁽¹¹⁾, Nina Lebeda⁽¹²⁾, Isabelle Schmitt-Opitz⁽¹²⁾,
Angela De Palma⁽¹³⁾, Giuseppe Marulli⁽¹³⁾, Cesare Braggio⁽¹⁴⁾, Pascal A Thomas⁽¹⁴⁾,
Frankie Mbadinga⁽¹⁵⁾, Jean-Marc Baste⁽¹⁵⁾, Bihter Sayan⁽¹⁶⁾, Bedrettin Yildizeli⁽¹⁶⁾,
Dirk E Van Raemdonck⁽¹⁾, Laurens Ceulemans⁽¹⁾
Leuven, BE⁽¹⁾, Milano, IT⁽²⁾, Leuven, BE⁽³⁾, Copenhagen/DK⁽⁴⁾,
Pisa/IT⁽⁵⁾, Torino/IT⁽⁶⁾, Lausanne/CH⁽⁷⁾, Salamanca/ES⁽⁸⁾,
Roma/IT⁽⁹⁾, Pessac/FR⁽¹⁰⁾, Limoges/FR⁽¹¹⁾, Zürich/CH⁽¹²⁾,
Bari/IT⁽¹³⁾, Marseille/FR⁽¹⁴⁾, Rouen/FR⁽¹⁵⁾, Istanbul/TK⁽¹⁶⁾



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RED 1

16:00-16:07

0-090 - Impact of coronavirus (COVID)-19 containment measures on surgical care of lung cancer patients: experiences of a maximum care center

Tabea Winkler, Bastian Fakundiny, Anton Popov, Henning Busk, Thorsten Walles
Magdeburg/DE

16:10-16:17

0-091 - Prognostic significance of limited resection in pathologic no lung adenocarcinoma with spread through air spaces

Kuan Xu, Bo Ye
Shanghai/CN



INTERESTING CASES SESSION XVIII

TUESDAY 6 JUNE 2023 16:30 - 17:30 h ·

RED 1

Chairs: Hermien Schreurs (Alkmaar/NL)
Ivo Hanke (Hradec Kralov/CZ)

16:30-16:37

0-098 - Staged repair of esophageal stent migration into right main bronchus with esophagectomy, sleeve bilobectomy and retrosternal colon interposition

Sezer Aslan ⁽¹⁾, Ceyhun Pasayev ⁽²⁾, Cagatay Cetinkaya ⁽²⁾, Hasan Batirel ⁽²⁾
Sirnak/TK⁽¹⁾, Istanbul/TK⁽²⁾

16:40-16:47

0-099 - Robot assisted thoracic surgery (RATS) segmentectomy with per operative 3D holographic navigation : assessment of feasibility

Patrick Bagan, Bassel O Dakhil, Rym Zaimi
Argenteuil/FR

16:50-16:57

0-100 - First abo-incompatible pediatric lung transplant performed with immunoabsorption column: a case report

Allis Cecilia Fontana Bellorín, Alejandro Vazquez Sanchez, Verónica Monfort Drago, Juan Escrivá Peiró, José Alfonso Cerón Navarro, Carlos Jordá Aragón, Alfonso Morcillo Aixelá, Victor Calvo Medina, Karen Stephanie Aguilar González, Marina Allameh Fernández, María Amparo Gascón Gascón, Mireia Espinós Arnau, Jesús Gabriel Sales Badía
Valencia/ES

17:00-17:07

0-101 - A novel simple technique to release tension after extensive tracheal resection

Niall Khan, Rebecca Weedle, Darragh Rice, Vincent Young
Dublin/IE

16:10-16:17

0-102 - Bird-cage reconstruction with diaphragmatic re-implantation for high-grade chest wall sarcoma

Jesyl Obtinario Gagto, Felixberto Siy Lukban, Eduardo Riego Bautista
Manila/ PH

Uniportal Robotic Assisted Thoracic Surgery (RATS)

Diego González Rivas (A Coruña/ES)



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SUNDAY 4 JUNE 2023

15:30-17:00 h

RED 1



Laurens Ceulemans (Leuven/BE)
Chair



Olivia Lauk (Zurich/CH)
Chair



Brendon Stiles (New York/US)
Chair

Introduction by the chairs



ESTS Observership Report
Bihter Sayan Gocer (Istanbul/TK)



**Tumor Genomics in Operable NSCLC:
Discovery & Application**
David R. Jones (New York/US)



Lung cancer screening: blood based biomarkers and AI
Thomas Frauenfelder (Zurich/CH)



**Assessing local complement activation in the early post-transplant period:
A study of C2 complement levels in lung transplant recipients**
René Novysedlák (Prague/CZ)



ESTS Women in General Thoracic Surgery Academy Report
Monika Švorcová (Prague/CZ)

Discussion



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PRESIDENTIAL ADDRESS

Monday 5 June 2023 at 12:00

SILVER PLENARY

**The Surgeon Scientist
Indulgence or Imperative?**

Isabelle Opitz

ESTS President 2022-2023





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INVITED LECTURE

MONDAY 5 JUNE 2023 - 11:15-11:45 H

SILVER PLENARY

PROF. ALBERTO CAVALLI

THE NECESSITY OF BEAUTY

Alberto Cavalli is the General Director of the Cologni Foundation Mestieri d’Arte. In his role as General Manager he creates and follows a number of successful projects, from internships aimed at young artisans to the publishing of books and magazines, from academic research to teaching.

He is the Executive Director of the Michelangelo Foundation for Creativity and Craftsmanship with the aim to promote, protect and perpetuate the métiers d’art of excellence, bridging them into the future.

He is a visiting professor at the Creative Academy in Milan, and from 2014 he teaches “Bellezza Italiana” (the code of Italian beauty) at Milan’s Politecnico University

In 2016 he is named Executive Director of the Michelangelo Foundation for Creativity and Craftsmanship, a private, non-for-profit institution created in Geneva by Johann Rupert and Franco Cologni, with the aim to promote, protect and perpetuate the métiers d’art of excellence, bridging them into the future. For the Michelangelo Foundation

he curates the international event “Homo Faber: Crafting a more human future” (Fondazione Giorgio Cini, Venice).

In 2020 he curated, for the Cologni Foundation, “Mirabilia. Una Wunderkammer per scoprire i mestieri d’arte milanesi”, the first of a cycle of exhibitions dedicated to Italian contemporary crafts, organised in the Quadreria space of Triennale Milano.

He is the Editor in Chief of the magazine “Mestieri d’Arte & Design. Crafts Culture”, distributed twice a year to the subscribers of Elle Decor Italia.

He is Vice President of the Noema Association for the promotion of musical culture (Milan).



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EXTRAORDINARY GUEST LECTURE

Tuesday 6 June 2023 09:30-10:00 h

SILVER PLENARY

Telmo Pievani (Padua/IT)

BURDENS AND OPPORTUNITIES OF BEING IMPERFECT

Telmo Pievani (1970) is Full Professor at the Department of Biology, University of Padua, where he covers the first Italian chair of Philosophy of Biological Sciences since 2015. After Ph.D. researches in USA, he has been Professor of Philosophy of Science at the University of Milan Bicocca (2001-2012). Past President (2017-2019) of the Italian Society of Evolutionary Biology, he is Fellow of several academic Institutions and scientific societies.

Member of Editorial Boards of Evolution

Author of 322 publications

Fellow of the Scientific Board
of Science Festivals in Italy

Fellow of the International Scientific Council
of MUSE in Trento

Director of “Pikaia”,
Italian website dedicated to Evolution
www.pikaia.eu

Director of the University of Padua
web magazine, www.ilbolive.unipd.it

Author of books for children
and theatre scientific shows



www.telmopievani.com



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PRIZES AND AWARDS

The following prizes will be awarded:

- **ESTS – Brompton Prize – 2000 EUR**

The Brompton Prize is offered for the best thoracic presentation by an ESTS member, first author at the Brompton Session and comes courtesy of the Trustees of the fund initiated by Professor Peter Goldstraw. It is an annual prize instituted at the 8th European Conference on General Thoracic Surgery held in London November 2000. The winner will be asked to give a one minute summary without slides of their study during the award ceremony at the ESTS Party.

- **ESTS – Young Investigator Award – 2000 EUR**

To stimulate research/ESTS has instituted a prize for the best presentation on topics of clinical or experimental research in the field of thoracic surgery by an ESTS member below the age of 35. The winner will be asked to give a one minute summary without slides of their study during the award ceremony at the ESTS Party.

- **ESTS-AATS Foundation Excellence Award – 2000 EUR**

This prize is offered by the AATS Foundation and awarded for the best overall scientific contribution in Pulmonary Neoplastic I / Pulmonary Neoplastic II sessions

- **ESTS – Grillo Prize – 1000 EUR**

The prize is offered to the best overall abstract in the sessions “Experimental/Innovative Techniques I / Experimental Innovative Techniques II” and is named after our deceased honorary member Hermes Grillo (Boston). The prize was initially awarded in 2009 by Professor Douglas Mathisen of the Massachusetts General Hospital, a colleague and friend of Professor Hermes Grillo.

- **ESTS – JACS (Japanese Association of Chest Surgery) Award – 1000 EUR**

This prize is offered to the best abstract by an ESTS member from an Asian Institute.

- **ESTS – Poster Prize – 500 EUR**

This prize is offered for the best poster presentation

- **ESTS – Junior Poster Prize**

Complimentary registration to the 32nd European Conference on General Thoracic Surgery, 2024
This prize is offered for the best poster presentation

- **ESTS – Dutch Society for Lung Surgery Travel Grant – 1000 EUR**

This grant is offered by the Dutch Society for Lung Surgery and was created to support a young abstract presenter from a low-middle income country.

- **ESTS – DGT Travel Grant – 1000 EUR**

This grant is offered by the Deutsche Gesellschaft für Thoraxchirurgie (DGT) and was created to support a member of ESTS from a low- to middle-income-country, who is below the age of 40 and is the first author of an abstract.

- **ESTS – FSTCVS Travel Grant – 1000 EUR**

This grant is offered by the French Society for Thoracic and Cardiovascular Surgery. It will be offered to the best oral presentation of clinical work by an author below the age of 35 from a low-middle income country.

- **Symposium for Nurses & Allied Health Professionals**

Prize award session: Best Abstract 500 euros award

- **ESTS - Postgraduate Course**

Scholarships for the ESTS School of Thoracic Surgery Knowledge Track Course of 2024 will be awarded to each of the Three Trainees of the Winning Team.

Complimentary registration for the 2024 School of Thoracic Surgery OR complimentary registration to 2024 Annual Meeting for the best audience performer.

Complimentary registration for the 2024 Medical Writing Course OR complimentary registration to 2024 Annual Meeting for the second best audience performer.

Complimentary registration to 2024 Annual Meeting for the third best audience performer.



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Saint Petersburg/RU

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Wenwu He, Chenghao Wang, Changding Li, Yongtao Han, Lin Peng, Xuefeng Leng
Chengdu/CN

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Xin Nie, Wenwu He, Zhiyu Li, Changding Li, Kunhan Ni, Yongtao Han
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Sao Paulo/BR

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Kanishk Siddhartha, Saraansh Bansal, Ravindra K Dewan, Ankita Dey, Rama Phanindra
New Delhi/IN

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Domenico Galetta
Milan/IT

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Mohamed El Zaeedi, Stephanie H Chang
New York City/US

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Tara Ivic-Pavlicic, Shivam Joshi, Angelo Zegarelli, Emanuela Taioli
New York/US

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Rafael R. Barcelos ⁽¹⁾, Evert A. Sugarbaker ⁽¹⁾, Kelvin F. Kennedy ⁽²⁾, Miles Mcallister ⁽¹⁾, Julio Herrera-Zamora ⁽¹⁾, Rachel Leo ⁽¹⁾, Sangmin Kim ⁽¹⁾, Tarun Ramesh ⁽¹⁾, Suzanne C. Byrne ⁽¹⁾, Mark M. Hammer ⁽¹⁾, Scott J. Swanson ⁽¹⁾, Paula Ugalde Figueroa ⁽¹⁾
Boston/US ⁽¹⁾, Kansas City/US ⁽²⁾

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Hüseyin Melek, Ezgi Demirdögen, Tolga Evrim Sevinç, Gizem Gedikoglu Pirim, Elçin Süleymanoglu, Ahmet Ursavas, Ahmet Sami Bayram, Cengiz Gebitekin
Bursa/TK



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Kyoto City/JP

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Yasuyuki Kurihara ⁽¹⁾, Katsutoshi Seto ⁽¹⁾, Takayuki Honda ⁽¹⁾, Satoshi Endo ^(1,2), Akira Takemoto ⁽¹⁾, Kousuke Tanimoto ⁽¹⁾, Shunichi Baba ⁽¹⁾, Yasuhiro Nakashima ⁽¹⁾, Ryo Wakejima ⁽¹⁾, Masashi Kobayashi ^(1,3), Rie Sakakibara ⁽¹⁾, Takahiro Mitsumura ⁽¹⁾, Hironori Ishibashi ⁽¹⁾, Johji Inazawa ⁽¹⁾, Toshihiro Tanaka ⁽¹⁾, Yasunari Miyazaki ⁽¹⁾, Kenichi Okubo ⁽¹⁾
Tokyo/JP ⁽¹⁾, Soka, /JP ⁽²⁾, Kurashiki/JP⁽³⁾

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Giovanni Natale
Naples/IT

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LONG INTRATHORACIC TRACHEAL RESECTION AND COMPLEX RECONSTRUCTION WITH AUTOLOGOUS FOREARM FREE FLAP

Alper Toker ⁽¹⁾, Stuart Campbell ⁽¹⁾, Jeremiah Hayanga ⁽¹⁾, William Stokes ⁽¹⁾, Jahnvi Kakuturu ⁽²⁾, Vinay Badhwar ⁽¹⁾
Morgantown/US ⁽¹⁾, Parkersburg/US ⁽²⁾

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Stuart Campbell, Fazil A Abbas, Alper Toker, Jason Lamb, Jahnvi Kakuturu, Adam Hansen, Awori Hayanga, Ghulam Abbas
Morgantown/US

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Thomas Klikovits ⁽¹⁾, Luka Brcic ⁽²⁾, Dagmar Krenbek ⁽¹⁾, Oliver Illini ⁽¹⁾, Maximilian Hochmair ⁽¹⁾, Michal Benej ⁽¹⁾, Clemens Aigner ⁽¹⁾, Stefan Watzka ⁽¹⁾
Vienna/AT ⁽¹⁾, Graz/AT ⁽²⁾

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Qiuxi Zhou, Qiao He, Ling Peng, Wenwu He
Chengdu/CN

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Yusuf Kilic, Anton Popov, Bastian Fakundiny, Henning Busk, Thorsten Walles
Magdeburg/DE



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Federico Raveglia ⁽¹⁾, Enrico Cassina ⁽¹⁾, Riccardo Orlandi ⁽²⁾,
Domenico Loizzi ⁽³⁾
Monza/IT ⁽¹⁾, Milano/IT ⁽²⁾, Foggia (IT)

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UNIPORTAL VIDEO-ASSISTED LUNG RESECTION VERSUS ROBOTIC- ASSISTED LUNG RESECTION, IS THERE A DIFFERENCE?

James Salim Shahoud, Benny Weksler, Conor Maxwell,
Hiran Fernando
Pittsburgh/US

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Demetrios Stefanou, Amr Rushwan, Polyvios Drosos, Nilanjan Chaudhuri, Richard Milton, Kostas Papagiannopoulos, Peter Tchervenjakov, Elaine Teh, Laura Valuckiene, Alex Brunelli
Leeds/UK

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Kazuhiro Nagayama, Yuri Nagayo, Toki Saito, Hiroshi Oyama,
Jun Nakajima
Tokyo/JP

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Lei-Lei Wu ⁽¹⁾, Wen-Mei Jiang ⁽²⁾, Guo-Wei Ma ⁽²⁾, Dong Xie ⁽¹⁾
Shanghai/CN ⁽¹⁾, Guangzhou/CN ⁽²⁾

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Gildardo Cortes Julian
Guadalajara/MX

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Oleg Pikin, Andrey Ryabov, Oleg Aleksandrov, Glushko Vladimir,
Konstantin Kolbanov, Vladimir Bagrov
Moscow/RU

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A DIGITAL INTRA-OPERATIVE CHECKLIST TO IMPROVE THE OUTCOME OF MINIMALLY INVASIVE ESOPHAGECTOMY

Emily Mackay ⁽¹⁾, Asha Mundi ⁽²⁾, Ajmal Hafizi ⁽²⁾,
Ahmad S Ashrafi ⁽¹⁾
Vancouver/CA ⁽¹⁾, Surrey/CA ⁽²⁾

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Rajinder Parshad, Sonali Mittal, Suhani Suhani, Mohit Joshi,
Hemanga K. Bhattacharjee, Deepak Gunjan, Raju Sharma
Delhi/IN

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Padungkiat Tangpiroontham
Bangkok/TH

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Aran Gilead
Haifa/IL



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Hirosama Yamamoto ⁽¹⁾, Kei Matsubara ⁽¹⁾, Kazuhiko Shien ⁽¹⁾, Ken Suzawa ⁽¹⁾, Mikio Okazaki ⁽¹⁾, Riki Okita ⁽²⁾, Shinji Otani ⁽³⁾, Kazuhiko Kataoka ⁽⁴⁾, Tsuyoshi Ueno ⁽⁵⁾, Hidejiro Torigoe ⁽⁶⁾, Shinji Fujioka ⁽⁷⁾, Makio Hayama ⁽⁸⁾, Osamu Kawamata ⁽⁹⁾, Takahiko Misao ⁽¹⁰⁾, Hiroyuki Tao ⁽¹¹⁾, Hideyuki Nishi ⁽¹²⁾, Masafumi Kataoka ⁽¹³⁾, Kota Araki ⁽¹⁴⁾, Motoki Matsuura ⁽¹⁵⁾, Eito Niman ⁽¹⁶⁾, Tomoaki Ohtsuka ⁽¹⁷⁾, Toshiharu Mitsuhashi ⁽¹⁾, Takashi Tanaka ⁽¹⁾, Shinichi Toyooka ⁽¹⁾
Okayama/JP ⁽¹⁾, Ube/JP ⁽²⁾, Toon/JP ⁽³⁾, Iwakuni/JP ⁽⁴⁾
Matsuyama/JP ⁽⁵⁾, Okayama/JP ⁽⁶⁾, Matsuyama, /JP ⁽⁷⁾, Okayama/JP ⁽⁸⁾, Onomich/JP ⁽⁹⁾, Takamatsu/JP ⁽¹⁰⁾, Himeji/JP ⁽¹¹⁾, Okayama/JP ⁽¹²⁾, Okayama/JP ⁽¹³⁾, Fukuyama/JP ⁽¹⁴⁾, Hiroshima/JP ⁽¹⁵⁾, Fukuyama/JP ⁽¹⁶⁾, Kanonj/JP ⁽¹⁷⁾

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Cottingham/UK

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Lauren A. Johnson, Matthew A. Steliga, Jason L. Muesse, Katy A. Marino
Little Rock/US

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DEEP LEARNING-BASED SOLID COMPONENT MEASURING ENABLED INTERPRETABLE PREDICTION OF TUMOR INVASIVENESS FOR LUNG ADENOCARCINOMA

Jiajing Sun ⁽¹⁾, Li Zhang ⁽²⁾, Bingyu Hu ⁽³⁾, Du Zhicheng ⁽⁴⁾, William C. Cho ⁽⁵⁾, Pasan Witharana ⁽⁶⁾, Dehua Ma ⁽³⁾, Minhua Ye ⁽³⁾, Jiajun Chen ⁽²⁾, Xiaozhuang Wang ⁽²⁾, Jianfei Shen ⁽¹⁾, Chengchu Zhu ⁽¹⁾
Taizhou/CN ⁽¹⁾, Shanghai/CN ⁽²⁾, Taizhou/CN ⁽³⁾, Guangzhou/CN ⁽⁴⁾, Hong Kong/SAR ⁽⁵⁾, Sheffield/UK ⁽⁶⁾

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Benedikt Niedermaier, Monika Eichinger, Elizabeth Tong, Laura Klotz, Martin Eichhorn, Thomas Muley, Claus Peter Heuβel, Hauke Winter
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Allen Tingjun Yu, Shubham Gulati, Shivan Joshi, Daniel Laskey, Andrea Wolf, Raja Flores, Emanuela Taioli
New York/US

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Rome/IT

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Yuichiro Ueda, Kensuke Midorikawa, Sou Miyahara, Keita Tokuisi, Hiroyasu Nakajima, Ryuichi Waseda, Takeshi Shiraiishi, Toshihiko Sato
Fukuoka/JP



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NONINVASIVE DETECTION OF ANY-STAGE LUNG CANCER USING CIRCULATING MICROBIAL DEOXYRIBONUCLEIC ACID (DNA)

Haiming Chen, Yiming Lu, Mantang Qiu
Beijing/CN

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Haiming Chen, Yiming Lu, Mantang Qiu
Beijing/CN

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Olivia Lauk, Isabelle Schmitt-Opitz, Didier Schneiter, Alexander Zimmermann, Benedikt Reutersberg
Zurich/CH

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Olivia Lauk, Lisa Hofer, Ulrike Held, Nadine Bosbach, Alessandra Matter, Mayura Meerang, Michaela Kirschner, Isabelle Opitz
Zurich/CH

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Takafumi Kabuto, Toshi Menju, Shigeto Nishikawa, Satona Tanaka, Yojiro Yutaka, Yoshito Yamada, Akihiro Ohsumi, Daisuke Nakajima, Masatsugu Hamaji, Hiroshi Date
Kyoto/JP

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Yukio Watanabe, Kazuya Takamochi, Aritoshi Hattori, Mariko Fukui, Takeshi Matsunaga, Kenji Suzuki
Tokyo/JP

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Yukio Watanabe, Aritoshi Hattori, Mariko Fukui, Takeshi Matsunaga, Kazuya Takamochi, Kenji Suzuki
Tokyo/JP

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Kyoshiro Takegahara, Masaki Hashimoto, Akihiro Fukuda, Toru Nakamichi, Akifumi Nakamura, Ayumi Kuroda, Seiji Matsumoto, Nobuyuki Kondo, Seiki Hasegawa
Nishinomiya/JP

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Stephanie H Chang, Darya Rudym, Kimberly Sureau, Melissa Lesko, Jake Natalini, Justin Chan, Victoria Lamaina, Harvey Pass, Travis C. Geraci, Luis Angel
New York/US

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Kenta Nakahashi, Marina Nakatsuka, Makoto Endo, Satoshi Shiono
Yamagata/JP



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Filippo Tommaso Gallina, Riccardo Tajè, Fabiana Letizia Cecere, Daniele Forcella, Lorenza Landi, Gabriele Minuti, Simonetta Buglioni, Paolo Visca, Enrico Melis, Isabella Sperduti, Federico Cappuzzo, Francesco Facciolo
Rome/IT

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Wei Mu, Hao Xu, Ruiyang Zou, Caifang Cao, Zewen Sun, Sida Cheng, Tian Guan, Hao Li, Xiuyuan Chen, Guanchao Jiang, Fan Yang, Jun Wang, Jie Tian, Jian Zhou
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Gaetana Messina, Mary Bove, Antonio Noro, Giorgia Opromolla, Mario Martone, Beatrice Leonardi, Francesco Leone, Rosa Mirra, Davide Gerardo Pica, Francesca Capasso, Vincenzo Di Filippo, Maria Antonietta Puca, Mario Grande, Giuseppe Vicario, Anna Rainone, Francesco Panini D'Alba, Maria Marvulli, Alessia Caputo, Grazia Bergameo, Noemi Maria Giorgiano, Giovanni Natale, Giovanni Vicidomini, Caterina Pace, Fausto Ferraro, Mauro Forte, Giovanni Liguori, Francesco Coppolino, Luigi Ferrante, Roberta Fiorito, Alfonso Fiorelli
Napoli/IT

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Xavier Michavila, Nestor Ivan Quiroga, Leandro Ezequiel Grando, Carlos Guerrero, Pablo Luis Paglialunga, Marc Boada, Angela Guirao, Irene Bello, Laureano Molins, David Sanchez-Lorente
Barcelona/ES

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Takamitsu Banno, Mariko Fukui, Aritoshi Hattori, Takeshi Matsunaga, Kazuya Takamochi, Kenji Suzuki
Tokyo/JP

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CONSERVATIVE TREATMENT OF TRACHEAL LESION WITH SELF-EXPANDABLE TRACHEAL STENT

Diletta Mongiello ^(1,2), Domenico Loizzi ⁽¹⁾, Giulia Pacella ⁽¹⁾, Nicoletta Pia Ardò ⁽³⁾, Maria Teresa Bevilacqua ⁽¹⁾, Roberto De Bellis ⁽¹⁾, Francesca Cialdella ⁽¹⁾, Francesco Sollitto ⁽¹⁾
Foggia/IT ⁽¹⁾, Bari/IT ⁽²⁾

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SHORT- AND LONG-TERM OUTCOMES IN SURGICALLY RESECTED THYMIC TUMORS WITH PHRENIC NERVE INJURY: A MULTICENTRIC STUDY

Chiara Catelli ⁽¹⁾, Andrea Lloret Madrid ⁽¹⁾, Maria Carlotta Marino ⁽¹⁾, Giuseppe Cataldi ⁽¹⁾, Alessandro Bonis ⁽¹⁾, Giovanni Maria Comacchio ⁽¹⁾, Andrea Zuin ⁽²⁾, William Grossi ⁽²⁾, Nicola Tamburini ⁽³⁾, Giorgio Narciso Cavallesco ⁽³⁾, Andrea Dell'Amore ⁽¹⁾, Federico Rea ⁽¹⁾
Padova/IT ⁽¹⁾, Udine/IT ⁽²⁾, Ferrara/IT ⁽³⁾

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COMPOSITE MESH: A BRIDGE PROCEDURE FOR REFRACTORY PANCREATIC EFFUSION - SEQUELAE OF POROUS DIAPHRAGM SYNDROME

Klein Dantis ⁽¹⁾, Chandan Kumar Dey ⁽²⁾, Zijano M Kithan ⁽²⁾, Kalleshwara I. T ⁽²⁾
Bathinda/IN ⁽¹⁾, Raipur/IN ⁽²⁾

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Merve Ekinci Fidan, Burcu Kilic, Hasan Volkan Kara, Ezel Ersen, Mehmet Kamil Kaynak, Akif Turna
Istanbul/TK



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A PROSPECTIVE FOLLOW UP ANALYSIS TO DETERMINE CHANGES IN QUALITY OF LIFE OF PATIENTS UNDERGOING LUNG RESECTION FOR POST TUBERCULOSIS SEQUELAE

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Tokyo/JP

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DONOR AGE IS AN INDEPENDENT RISK FACTOR FOR PRIMARY GRAFT DYSFUNCTION AND SURVIVAL AFTER LUNG TRANSPLANTATION IN PATIENTS WITH FIBROTIC LUNG DISEASE

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SAFETY AND OUTCOME OF ROBOT-ASSISTED THORACOSCOPIC DIAPHRAGM PPLICATION

Martin Eichhorn, Philip Baum, Matthias Grott, Henrike Deissner, Raffaella Griffo, Hauke Winter
Heidelberg/DE

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CONGENITAL H-TYPE TRACHEOESOPHAGEAL FISTULA IN AN ADULT PATIENT MANAGED BY RIGHT VIDEO-ASSISTED THORACIC SURGERY (VATS)

Cagatay Cetinkaya ⁽¹⁾, Mithat Fazlioglu ⁽²⁾, Hasan Batirel ⁽²⁾
Istanbul/TK ⁽¹⁾, Tekirdag/TK ⁽²⁾

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THE USE OF CAPNOGRAPHY IN THE IDENTIFICATION OF TRUE AIR LEAKS AFTER SURGERY

Giorgio Cannone ⁽¹⁾, Alessio Campisi ⁽²⁾, Vincenzo Verzeletti ⁽¹⁾, Samuele Nicotra ⁽¹⁾, Andrea Dell'Amore ⁽¹⁾, Federico Rea ⁽¹⁾
Padova/IT ⁽¹⁾, Verona/IT ⁽²⁾

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Beatrice Leonardi, Antonio Noro, Francesco Leone, Mary Bove, Giorgia Opromolla, Mario Martone, Rosa Mirra, Davide Gerardo Pica, Francesca Capasso, Vincenzo Di Filippo, Maria Antonietta Puca, Mario Grande, Giuseppe Vicario, Anna Rainone, Francesco Panini D'Alba, Maria Marvulli, Alessia Caputo, Massimino Messinò, Grazia Bergameo, Noemi Maria Giorgiano, Gaetana Messina, Giovanni Natale, Saveria Costanzo, Anna Cecilia Izzo, Giovanni Vicidomini, Antonello Sica, Alfonso Fiorelli
Naples/IT



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LONG TERM ONCOLOGIC OUTCOME IN ROBOT-ASSISTED AND VIDEO-ASSISTED ANATOMICAL LUNG RESECTIONS FOR LUNG CANCER

Giulia Fabbri ^(1,2), Federico Femia ^(1,3), Francesco Guerrero ⁽⁴⁾, Sara Volpi ⁽¹⁾, Corinne Lereun ⁽⁵⁾, Tom Routledge ⁽¹⁾, Andrea Bille ⁽¹⁾
London/UK ⁽¹⁾, Turin/IT, ⁽²⁾ Turin/IT ⁽³⁾, Sainte-Anne/GP ⁽⁴⁾

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Riccardo Orlandi ⁽¹⁾, Federico Raveglia ⁽²⁾, Francesca Bono ⁽²⁾, Enrico Cassina ⁽²⁾
Milan/IT ⁽¹⁾, Monza/IT ⁽²⁾

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Silvana Crowley Carrasco, Alberto García Salido, Alejandra Romero Román, Lucas Hoyos Mejía, Mariana Gil Barturen, Pablo Cordero Iglesias, Felipe Alayza Avendaño, Jose Manuel Naranjo Gómez, Mar Córdoba Peláez, David Gómez De Antonio, Jose Luis Campo-Cañaverl De La Cruz
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Marina Paradela ⁽¹⁾, Alejandro Garcia-Perez ⁽¹⁾, Mugurel Liviu Bosinceanu ⁽²⁾, Veronica Manolache ⁽²⁾, Natalia Motas ⁽²⁾, Javier Gallego ⁽³⁾, Manjunath Bale ⁽⁴⁾, Daniel Valdibia ⁽⁵⁾, Regulo Avila ⁽⁶⁾, Ricardo Fernandez-Prado ^(1,7), Mercedes De La Torre ^(1,7), Emmanouil Georgiannakis ⁽⁸⁾, Dionisio Espinosa ⁽⁹⁾, Maria Delgado ⁽¹⁾, Akif Turna ⁽¹⁰⁾, Humberto Alves Oliveira ⁽¹¹⁾, Diego Gonzalez-Rivas ^(7,3,2)
A Coruña/ES ⁽¹⁾, Bucharest/RO ⁽²⁾, Lisbon/PT ⁽³⁾, Hyderabad/IN ⁽⁴⁾, Bielefeld/DE ⁽⁵⁾, Madrid (ES), A Coruña/ES ⁽⁷⁾, Athens/GR ⁽⁸⁾, Cadiz/ES ⁽⁹⁾, Istanbul/TK ⁽¹⁰⁾, Brasilia/BR ⁽¹¹⁾

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RIGHT RE-REDO-VATS LOWER LOBECTOMY WITH MIDDLE LOBE PRESERVATION AFTER A RIGHT UPPER LOBECTOMY FOR METACHRONOUS LUNG ADENOCARCINOMA: A CASE REPORT

Samuele Nicotra, Vincenzo Verzeletti, Giorgio Cannone, Luigi Lione, Luca Melan, Alessandro Rebusso, Federico Rea
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Hanyue Li, Runhua Yu, Zhitao Gu, Wentao Fang
Shanghai/CN

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CLINICAL SCORE FOR COLORECTAL CANCER PATIENTS WITH LUNG-LIMITED METASTASES UNDERGOING SURGICAL RESECTION: META-LUNG SCORE

Paolo Albino Ferrari ⁽¹⁾, Pina Ziranu ⁽²⁾, Francesco Guerrero ⁽³⁾, Pietro Bertoglio ⁽⁴⁾, Alessandro Tamburrini ⁽⁵⁾, Giulia Grimaldi ⁽¹⁾, Laura Riva ⁽¹⁾, Sabrina Sarais ⁽¹⁾, Massimiliano Santoru ⁽¹⁾, Matteo Pinna Susnik ⁽¹⁾, Alessandro Murenu ⁽¹⁾, Paraskevas Lyberis ⁽³⁾, Eleonora Della Beffa ⁽³⁾, Enrico Capozzi ⁽⁴⁾, Federico Mathieu ⁽⁶⁾, Fabio Bardanzellu ⁽²⁾, Marco Dubois ⁽²⁾, Andrea Pretta ⁽²⁾, Aiman Alzetani ⁽⁵⁾, Luca Luzzi ⁽⁶⁾, Piergiorgio Solli ⁽⁴⁾, Piero Paladini ⁽⁶⁾, Enrico Ruffini ⁽³⁾, Mario Scartozzi ⁽²⁾, Roberto Cherchi ⁽¹⁾
Cagliari/IT ⁽¹⁾, Cagliari/IT ⁽²⁾, Torino/IT ⁽³⁾, Bologna/IT ⁽⁴⁾, Southampton/IT ⁽⁵⁾, Siena/IT ⁽⁶⁾

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



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SEARCHING FOR ECTOPIC THYMUS IN ADULTS WITHOUT THYMIC DISEASE

Simona Sobrero ⁽¹⁾, Francesca Napoli ⁽¹⁾, Federico Vaisitti ⁽¹⁾, Simona Oraka ⁽¹⁾, Alessandro Maraschi ⁽¹⁾, Luca Errico ⁽¹⁾, Paola Bonfanti ⁽²⁾, Luisella Righi ⁽¹⁾, Francesco Leo ⁽¹⁾
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Shanghai/CN

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SURGICAL VERSUS NON-SURGICAL TREATMENT FOR ESOPHAGEAL SQUAMOUS CELL CARCINOMA IN PATIENTS OLDER THAN 70 YEARS:A PROPENSITY SCORE MATCHING ANALYSIS

“Kexun Li, Changding Li, Xuefeng Leng, Wenwu He, Kunyi Du, Xin Nie, Simiao Lu, Yongtao Han, Lin Peng
Chengdu/CN

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Geraud Galvaing ⁽¹⁾, Jeremy Tricard ⁽²⁾, Gabrielle Drevet ⁽³⁾, François Tronc ⁽³⁾, Jocelyn Gregoire ⁽⁴⁾, Frederic Nicodeme ⁽⁴⁾, Francois Bertin ⁽²⁾, Anne Sophie Laliberte ⁽⁴⁾, Massimo Conti ⁽⁴⁾
Clermont-Ferrand/FR ⁽¹⁾, Limoges/FR ⁽²⁾, Lyon/FR ⁽³⁾, Quebec/CA ⁽⁴⁾

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Alicante/ES



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Gian-Marco Monsch, Harry Etienne, György Lang,
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Filippo Lococo ⁽¹⁾, Marco Chiappetta ⁽¹⁾, Andrea Dell'Amore ⁽²⁾, Elisa De Paolis ⁽¹⁾, Jessica Evangelista ⁽¹⁾, Giovanni Maria Comacchio ⁽²⁾, Alessia Perrucci ⁽¹⁾, Camilla Nero ⁽¹⁾, Giovanni Scambia ⁽¹⁾, Luciano Giacobbe ⁽¹⁾, Federica Pezzuto ⁽²⁾, Fiorella Calabrese ⁽²⁾, Angelo Minucci ⁽¹⁾, Emilio Bria ⁽¹⁾, Federico Rea ⁽²⁾, Stefano Margaritora ⁽¹⁾
Rome/IT ⁽¹⁾, Padua/IT ⁽²⁾

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Wei Dai ⁽¹⁾, Zhen Dai ⁽¹⁾, Xing Wei ⁽¹⁾, Jia Liao ⁽¹⁾, Shaohua Xie ⁽¹⁾, Bin Hu ⁽¹⁾, Xiaojun Yang ⁽¹⁾, Qiuling Shi ^(1,2), Qiang Li ⁽¹⁾
Chengdu/CN ⁽¹⁾, Chongqing/CN ⁽²⁾

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Tomohiro Yazawa, Toshiteru Nagashima, Yoichi Ohtaki, Natsuko Kawatani, Ryohei Yoshikawa, Eiji Narusawa, Ken Shirabe
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Yosuke Matsuura, Junji Ichinose, Masayuki Nakao, Mingyon Mun
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Gizem Kececi Ozgur, Ahmet Kayahan Tekneci, Tefik Ilker Akcam, Ayse Gul Ergonul, Kutsal Turhan, Alpaslan Cakan, Ufuk Cagirci
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Elisa Meacci, Dania Nachira, Maria Teresa Congedo, Leonardo Petracca Ciavarella, Marco Chiappetta, Maria Letizia Vita, Stefano Margaritora
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Kudzayi Hopewell Kutuywayo, Dean Fennell, Apostolos Nakas
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Katrin Hornemann, Christoph B. Wiedenroth, Miriam S. D. Adameit, Sebastian Tauber, Yeong-Hoon Choi, Eckhard Mayer, Diethard Pruefer, Stefan Guth
Bad Nauheim/DE

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INTERCOSTAL ARTERY ANEURYSM RUPTURE IN VON RECKLINGHAUSEN'S DISEASE: A RARE CASE OF SPONTANEOUS HEMOTHORAX

Sokratis Tsagkaropoulos, Christoforos Foroulis, Thomas Kanteres, Leonidas Kougias, Georgios Tagarakis, Kiriakos Anastasiadis
Thessaloniki/GR



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Survival of patients with cn2-3 non-small cell lung cancer (NSCLC) diagnosed by video-assisted mediastinoscopic lymphadenectomy (vamla) after induction therapy

Nina Reig-Oussedik ⁽¹⁾, Sergi Call ⁽¹⁾, Carme Obiols ⁽¹⁾, Ramon Rami-Porta ⁽¹⁾, Silvia Catot ⁽²⁾, Manuel Galdeano-Rubio ⁽¹⁾, Sthefania Cortes-Mateus ⁽¹⁾, Luis Luizaga ⁽¹⁾, Lucia Reyes Cabanillas-Paredes ⁽¹⁾, Juan Manuel Ochoa-Alba ⁽¹⁾, Mireia Serra-Mitjans ⁽¹⁾
Terrassa/ES ⁽¹⁾, Manresa/ES ⁽²⁾

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VIDEO-ASSISTED MEDIASTINOSCOPIC LYMPHADENECTOMY (VAMLA): PRELIMINARY RESULTS FOR RESTAGING CIIIA (N2) NON-SMALL CELL LUNG CANCER (NSCLC) AFTER INDUCTION THERAPY

Nina Reig-Oussedik, Sergi Call, Carme Obiols, Ramon Rami-Porta, Bruno Garcia-Cabo, Jose Sanz-Santos, Luis Luizaga, Adria Lloret, Lucia Reyes Cabanillas-Paredes, Juan Manuel Ochoa-Alba, Mireia Serra-Mitjans
Terrassa/ES

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THE IMPACT OF PREVIOUS EXTRAPULMONARY MALIGNANCIES ON SURVIVAL OF SURGICALLY TREATED PRIMARY LUNG CANCER: A COMPREHENSIVE SYSTEMATIC REVIEW AND META-ANALYSIS

Lei Peng, Han-Yu Deng, Wen Li, Yun Wang
Chengdu/CN

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NATIONAL POPULATION-BASED STUDY ON SURGICAL CARE FOR SPONTANEOUS PNEUMOTHORAX WITH SPECIFIC FOCUS ON PRIMARY SPONTANEOUS PNEUMOTHORAX

Quirine C. A. Van Steenwijk ^(1,2), Louisa N. Spaans ⁽¹⁾, David J. Heineman ⁽²⁾, Frank J. C. Van Den Broek ⁽¹⁾, Chris Dickhoff ⁽²⁾
Veldhoven/NL ⁽¹⁾, Amsterdam/NL ⁽²⁾

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HOW BODY MASS INDEX (BMI) INFLUENCES SURGICAL MANAGEMENT IN VIDEO-ASSISTED THORACIC SURGERY (VATS) LOBECTOMY

Ilaria Potenza, Nicola Tamburini, Carlo Di Giovannantonio, Pio Maniscalco, Francesco Quarantotto, Francesco Dolcetti
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SURGICAL MANAGEMENT AND OUTCOMES OF CATAMENIAL PNEUMOTHORAX: A EUROPEAN MULTICENTRE REAL-LIFE COMPARATIVE STUDY

Lavinia Gatteschi ⁽¹⁾, Domenico Viggiano ⁽¹⁾, Rossella Indino ⁽¹⁾, Ottavia Salimbene ⁽¹⁾, Maria Giovanna Mastromarino ⁽²⁾, Marta Fuentes-Gago ⁽³⁾, Marco Lucchi ⁽²⁾, Luca Voltolini ⁽¹⁾, Marcelo Jimenez ⁽³⁾, Laura Socci ⁽⁴⁾, Alessandro Gonfiotti ⁽¹⁾
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INTERCOSTAL NERVE BLOCK AS ALTERNATIVE FOR THORACIC EPIDURAL ANALGESIA AFTER VATS FOR PNEUMOTHORAX: A MULTICENTER RETROSPECTIVE STUDY

Louisa Spaans ^(1,2), Quirine Van Steenwijk ⁽¹⁾, Adelina Seiranjan ⁽¹⁾, Nicky Janssen ⁽³⁾, Erik De Loos ⁽³⁾, Denis Susa ⁽⁴⁾, Jan Peter Eerenberg ⁽⁵⁾, Arthur Bouwman ⁽⁶⁾, Marcel Dijkgraaf ⁽²⁾, Frank Van Den Broek ⁽¹⁾
Veldhoven/NL ⁽¹⁾, Amsterdam/NL ⁽²⁾, Heerlen/NL ⁽³⁾, Bergen Op Zoom/NL ⁽⁴⁾, Hilversum/NL ⁽⁵⁾, Eindhoven/NL ⁽⁶⁾

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IDENTIFY THE CLINICOPATHOLOGICAL CHARACTERISTICS OF LUNG CARCINOMA PATIENTS BEING FALSE NEGATIVE IN FOLATE RECEPTOR BASED CIRCULATING TUMOR CELL DETECTION

Yang Yang
Shanghai/CN

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PREDICTIVE FACTORS OF POSTOPERATIVE LONG-TERM SURVIVAL IN PATIENTS WITH MALIGNANT PLEURAL MESOTHELIOMA

Masaki Hashimoto ⁽¹⁾, Shota Nakamura ⁽²⁾, Akifumi Nakamura ⁽¹⁾, Toru Nakamichi ⁽¹⁾, Akihiro Fukuda ⁽¹⁾, Ayumi Kuroda ⁽¹⁾, Kyoshiro Takegahara ⁽¹⁾, Seiji Matsumoto ⁽¹⁾, Nobuyuki Kondo ⁽¹⁾, Taketo Kato ⁽²⁾, Koichi Fukumoto ⁽²⁾, Toyofumi Fengshi Chen-Yoshikawa ⁽²⁾, Seiki Hasegawa ⁽¹⁾
Nishinomiya/JP ⁽¹⁾, Nagoya/JP ⁽²⁾



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TUMOR DIMENSION IN THYMIC EPITHELIAL TUMORS: CORRELATION WITH CLINICO-PATHOLOGICAL FACTORS AND PROGNOSIS

Marco Chiappetta, Carolina Sassorossi, Filippo Lococo, Gloria Santoro, Elisa Meacci, Dania Nachira, Adriana Nocera, Venanzio Porziella, Maria Teresa Congedo, Stefano Margaritora
Roma/IT

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SEX STEROID HORMONE RECEPTORS IN EPITHELIAL TYPE OF MALIGNANT PLEURAL MESOTHELIOMA-CLINICOPATHOLOGICAL ANALYSIS AND EFFECTS ON TUMOUR CELL GROWTH

Hironori Ishibashi, Kuniyo Sueyoshi, Shunichi Baba, Ayaka Asakawa, Ryo Wakejima
Tokyo/JP

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SUCCESSFUL EXTRACORPONEAL MEMBRANE OXYGENATION IN A PATIENT WITH TRACHEAL OBSTRUCTION DUE TO AN ENDOTRACHEAL MASS AFTER TRACHEAL TRANSECTION

Hironori Ishibashi, Michi Aoki, Yuri Sumi, Tomohiro Takahara, Shunichi Baba, Ayaka Asakawa, Katsutoshi Seto, Kenichi Okubo
Tokyo/JP

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INDICATION OF INTENTIONALLY SUBLOBAR SURGERY FOR VULNERABLE LUNG CANCER PATIENTS

Yuichi Sakairi, Hironobu Wada, Yusuke Otani, Daiki Shimizu, Takahiro Yamanaka, Takahiro Ochi, Jotaro Yusa, Hodaka Oeda, Kai Nishii, Yuki Ito, Taisuke Kaiho, Terunaga Inage, Takamasa Ito, Kazuhisa Tanaka, Hidemi Suzuki, Ichiro Yoshino
Chiba/JP

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INTRAOPERATIVE USE OF A BIODEGRADABLE POLYMERIC AIR LEAK SEALANT CAN REDUCE THE LENGTH OF CHEST DRAINAGE AND HOSPITAL STAY FOLLOWING A PULMONARY SEGMENTECTOMY

Ilies Bouabdallah ⁽¹⁾, Giulia Fabbri (2,3), Savvas Lampridis ⁽²⁾, Andrea Bille ⁽²⁾
Marseille/FR ⁽¹⁾, London/UK ⁽²⁾, Turin/IT ⁽³⁾

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COMPARING VIDEO-ASSISTED THORACIC SURGERY (VATS) SEGMENTECTOMY VERSUS VATS LOBECTOMY FOR STAGE I NON-SMALL CELL LUNG CANCER: A PROPENSITY SCORE MATCH ANALYSIS

Aleksandar Yankulov, Alejandro Goicoechea, Martha Bravo, Muftah Almradi, Alessandro Marra
Winnenden/DE

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CLINICAL IIIA(N2) NON SMALL CELL LUNG CANCER (NSCLC): NEOADJUVANT+SURGERY VS UPFRONT SURGERY. RESULTS OF A MULTICENTRIC SERIES

Maria Cattoni ⁽¹⁾, Nicola Rotolo ⁽¹⁾, Alessandra Siciliani ⁽²⁾, Matteo Tiracorrendo ⁽²⁾, Adam Bograd ⁽³⁾, John Campbell ⁽³⁾, Pierluigi Filosso ⁽⁴⁾, Francesco Guerrera ⁽⁴⁾, Silvia Ceccarelli ⁽⁵⁾, Rossella Potenza ⁽⁵⁾, Stefano Margaritora ⁽⁶⁾, Filippo Lococo ⁽⁶⁾, Marco Lucchi ⁽⁷⁾, Vittorio Aprile ⁽⁷⁾, Piergiorgio Solli ⁽⁸⁾, Filippo Antonacci ⁽⁸⁾, Alberto Terzi ⁽⁹⁾, Alice Bellini ⁽⁹⁾, Andrea Imperatori ⁽¹⁾
Varese/IT ⁽¹⁾, Rome/IT ⁽²⁾, Seattle/US ⁽³⁾, Turin/IT ⁽⁴⁾, Perugia/IT ⁽⁵⁾, Rome/IT ⁽⁶⁾, Pisa/IT ⁽⁷⁾, Bologna/IT ⁽⁸⁾, Verona/IT ⁽⁹⁾

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ELECTROMAGNETIC NAVIGATIONAL BRONCHOSCOPY(ENB) FINDINGS, THE UNCOMMON ONES

Vasileios Tentzeris ⁽¹⁾, Max Read ⁽¹⁾, Michael Gooseman ⁽¹⁾, Syed Qadri ⁽¹⁾, Michael Cowen ⁽¹⁾, Laura Sadofsky ⁽²⁾
Hull/UK

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FAST TRACK DIAGNOSTIC PATHWAY FOR LUNG CANCER DETECTION: SINGLE CENTER EXPERIENCE

Valentina Tassi ⁽¹⁾, Roland Peraj ⁽¹⁾, Fabrizio Benedetti ⁽¹⁾, Alessio Gili ⁽²⁾, Carlo Luigi Cardini ⁽¹⁾, Sandro Casadei ⁽¹⁾, Stefano Santoprete ⁽¹⁾, Annalisa Guida ⁽¹⁾, Cristina Zannori ⁽¹⁾, Segio Bracarda ⁽¹⁾, Mark Ragusa ⁽¹⁾
Terni/IT ⁽¹⁾, Perugia/IT ⁽¹⁾

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LEARNING CURVE, SURGICAL AND ONCOLOGICAL RESULTS OF MCKEOWN ESOPHAGECTOMY WITH UNIPORTAL-VATS APPROACH COMPARED TO THORACOTOMY

Dania Nachira, Giuseppe Calabrese, Venanzio Porziella, Maria Teresa Congedo, Elisa Meacci, Leonardo Petracca Ciavarella, Carolina Sassorossi, Adriana Nocera, Stefano Margaritora
Rome/IT



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LUNG VOLUME REDUCTION IN PATIENTS WITH SEVERE EMPHYSEMA: BRONCHOSCOPIC LOBAR VERSUS SURGICAL TAILORED TREATMENT

Julia Von Rotz ⁽¹⁾, Jan Mengers ⁽¹⁾, Daniel Franzen ⁽²⁾, Didier Schneider ⁽¹⁾, Isabelle Opitz ⁽¹⁾, Claudio Caviezel ⁽¹⁾
Zürich/CH ⁽¹⁾, Uster/CH ⁽²⁾

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MEDIASTINAL TRACHEOSTOMY COMPLICATED WITH TRACHEO-INNOMINATE ARTERY FISTULA : ENDOVASCULAR MANAGEMENT

Vijay C Lingaraju, SRIKRISHNA S V, VIJAY Pillai, ROHAN C Reddy, Saurabh Rai
Bengaluru/IN

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Bartłomiej Szafron, Obada Alqudah, Haisam Saad, Waldemar Bartosik, Vasileios Kouritas, Aleksander Mani, Jakub Kadlec
Norwich/UK

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MEDIASTINAL LYMPH NODE DISSECTION AFFECTS THE EFFICACY OF IMMUNE CHECKPOINT INHIBITORS IN NON-SMALL CELL LUNG CANCER

Yohei Kawaguchi, Taiyo Nakamura, Kentaro Imai, Naohiro Kajiwara
Tokyo/JP

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INTERCOSTAL MUSCLE FLAP FOR PNEUMONECTOMY IN INFLAMMATORY LUNG DISEASES

Ramaswamy Rajendran ⁽¹⁾, Ravindra Kumar Dewan ⁽²⁾
Chennai/IN ⁽¹⁾, New Delhi/IN ⁽²⁾

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MANAGEMENT OF ESOPHAGO-PLEURAL FISTULA - A LATE COMPLICATION OF LEFT PNEUMONECTOMY

Ramaswamy Rajendran, Rajiv Santosham, Rajan Santosham
Chennai/IN

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Thomas Schilling, Laszlo Scheinpflug, Anton Popov, Anita Dumitrescu, Bastian Fakundiny, Thorsten Walles
Magdeburg/DE

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Fatmir Caushi, Valbona Gjoni, Ilir Skenduli, Silva Tafaj, Silvana Bala, Hasan Hafizi, Alban Hatibi, Ornella Nuredini, Eljana Shima
Tirana/AL

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A NOVEL HYBRID TRANSCERVICAL MEDIASTINOSCOPIC AND LEFT-SIDED APPROACH FOR RADICAL RESECTION OF A MEDIASTINAL PARAGANGLIOMA

Michal Benej, Thomas Klikovits, Tibor Krajc, Stefan Watzka, Bernhard Winkler, Martin Grabenwöger, Clemens Aigner
Vienna/AT

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Alessandro Bertani, Astrid Pietrosi, Marco Mezzatesta, Giorgia Tancredi, Lavinia De Monte, Domenica Giunta, Pia Ferrigno, Alessandros Pangoni
Palermo/IT

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Sara Ricciardi, Delia Giovanniello, Marco Di Martino, Massimo Osvaldo Jaus, Sara Mantovani, Martina Bianco, Stefano Treggiari, Giuseppe Cardillo
Roma/IT

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REPAIR OF BRONCHIAL STENOSIS IN LUNG TRANSPLANT RECIPIENTS WITH BIODEGRADABLE STENTS

Monika Svorcova ⁽¹⁾, Jan Simonek ⁽¹⁾, Jiri Vachtenheim ⁽¹⁾, Jan Kolarik ⁽¹⁾, Jiri Pozniak ⁽¹⁾, Petr Jakubec ⁽¹⁾, Dmitry Rakita ⁽²⁾, Jan Havlin ⁽¹⁾, Robert Lischke ⁽¹⁾
Prague/CZ ⁽¹⁾, Olomouc/CZ ⁽²⁾



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Valerie Williams Rusch, Jose Arimateia Araujo-Fiho, Allison J Reiner, Maria Mayoral Penalva, Kay See Tan, Joseph Dycoco, Prasad S Adusumilli, Andreas Rimner, Majorie G Zauderer, Michelle S Ginsberg
New York/US

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WITHDRAWN

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CURRENT PREDICTORS OF OUTCOME IN SURGICALLY MANAGED PATIENTS WITH PARAPNEUMONIC PLEURAL EMPYEMA

Michael Schweigert ⁽¹⁾, Ahmed Hamdouna ⁽¹⁾, Attila Dubecz ⁽²⁾, Ana Beatriz Almeida ⁽¹⁾, Patrick Kellner ⁽¹⁾, Helmut Witzigmann ⁽³⁾, Hubert J. Stein ⁽²⁾
Lübeck/DE ⁽¹⁾, Nuremberg/DE ⁽²⁾, Dresden/DE ⁽³⁾



SECOND SECTION

- General information
- Venue / main contact details
- Registration fees
- Industry-sponsored symposium
- Prize and awards from industry
- Networking events
- ESTS Women In General Thoracic surgery (WGTS)
- Committee Student, Trainee, Early Career Members (STEM) working group
- ESTS childcare on site
- Main sponsors



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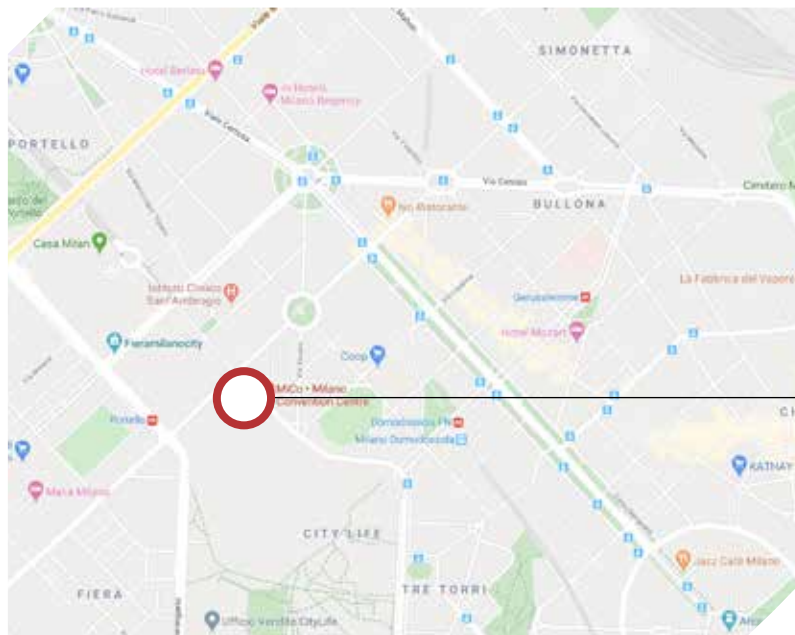
GENERAL INFORMATION

VENUE

Allianz MiCo • Milano Convention Centre
Piazzale Carlo Magno, 1
20149 Milano, Italy
www.micomilano.it/en

WEBSITE

www.ests2023.com
www.ests.org



MAIN CONTACT DETAILS

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www.ests.org

MEETING SECRETARIAT

VIAJES EL CORTE INGLES SA
C/ Alberto Bosch 13
28014 Madrid (Spain)
Tel. +34 91 3300565
Exhibition
Ms Asun Marzo
a.marzo@torrespardo.com
T. +34 932463566
Registrations - General Information
Ms Tatiana Rodríguez
ests@viajeseci.es



VIAJES *El Corte Inglés*

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GENERAL INFORMATION

REGISTRATION & ABSTRACT SUBMISSION

www.ests2023.com

WIRELESS INTERNET ACCESS

WiFi Internet access area will be available at the Congress.

SOCIAL EVENTS

Welcome Cocktail

ESTS 2023 Welcome Cocktail will be held on Sunday, June 4th late afternoon after the Opening Ceremony.

(included in the registration fee)

Gala Dinner

ESTS 2023 Gala Dinner will be held on Monday, June 5th 2023.

(not included in the registration fee)

ACCOMMODATION DETAILS

Accommodation details are available at the website and further announcements.

ECO-FRIENDLY AND PAPERLESS

ESTS 2023 is a sustainable and environmental friendly Congress encouraging the use of recyclable material.

SMOKING

ESTS 2023 is a non smoking congress.

REGISTRATION DESK

Participants can pick up their personal Congress material at the registration desk, which will be open as follows

Saturday, 3rd June 16:00h - 19:00h

Sunday, 4th June 07:30h - 18:00h

Monday, 5th June 06:30h - 18:00h

Tuesday, 6th June 06:30h - 17:30h

The Congress Secretariat will be available to assist you during the Congress.

Please do not hesitate to contact this office for help or advice.

ATTENDANCE

The Congress usually attracts between 1.000 and 1.300 delegates from all over Europe and from all over the World.



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GENERAL INFORMATION

LANGUAGE

The official language of the Meeting is English.

NAME BADGES

Participants and accompanying persons are obliged to wear the official Congress name badges on all Congress occasions.

EXHIBITION

Access to the exhibition is free for registered participants. The exhibition will be open on 4-6th June 2023 during the congress hours.

LUNCH AND REFRESHMENTS

Lunches are not included in the participants' registration fee.
Coffee, tea will be available in the exhibition area during the breaks.

LIABILITY

By registering for the Congress and/or by participating in the exhibition joined to the Congress, participants and exhibitors agree that ESTS, the Organizing Committee or the Congress Secretariat do not assume any responsibility for damage or injuries to persons or property during the Congress. Participants and exhibitors are advised to organize their own health, travel and personal insurances.

LETTER OF INVITATION

Upon request, the Chairman of the Local Organizing Committee will be pleased to send a personal letter of invitation so as to enable participants to obtain supporting funds or visas for attending the Congress. These invitation letters cannot be considered as an offer of financial support by the organizers.

CERTIFICATE OF ATTENDANCE

Participants will receive a certificate of attendance which will be downloaded from the Conference App.

CONFERENCE APP



Milano 2023 is a Paperless Meeting

A conference App will be made available for participants containing all necessary information, featuring and replacing, among other items the complete conference Program and abstract book.
The ESTS Conference App will be accessible for download on Android and IOS devices (smartphones, tablets, iPhones and iPads).



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REGISTRATION FEES

	EARLY FEES until March 18th	LATE FEES until May 19th	ONSITE FEES from June 4th
ESTS Member high-income*	485€	545€	655€
ESTS Member upper-middle-income*	195€	230€	340€
ESTS Member low-income*	55€	90€	90€
Non-Member	770€	880€	960€
ERS Member (for pulmonologists only)	195€	355€	440€
Daypass ESTS Member (only possible for one day)	250€	275€	300€
Daypass Non Member (only possible for one day)	415€	440€	470€
Trainee ESTS Member	110€	165€	250€
Trainee non Member**	170€	230€	340€
Allied professionals**	55€	70€	90€
Medical Student (undergraduate)**	0€	0€	0€
NOT INCLUDED IN THE REGISTRATION FEE			
Breakfast with the Expert	30€	55€	55€
Gala Party Ticket	140€	140€	140€
Gala Party Ticket Reduced price for Trainee only (Limited 80 tickets)	110€	110€	110€
Gala Party Ticket Reduced price for Allied Health Professional only (Limited to 20 tickets) 110€	110€	110€	

Italian VAT is included in the prices listed above

* For the classification please visit www.ests.org

** Proof of trainee, student status or nurse certificate must be uploaded on the online registration

For ESTS members: Reduced early registration is available to ESTS members whose membership fees are paid up to date including their 2023 member fee by the close of early registration on 30 March 2023. For members that pay their member fee after this date, late or on-site registration fee will apply.

INDUSTRY-SPONSORED SESSIONS

SUNDAY 4 JUNE 2023

12:00 - 13:00
LUNCH SYMPOSIA



Room: RED 2



Room: BLUE 1



Room: BLUE 2

MONDAY 5 JUNE 2023

07:00-08:00
BREAKFAST WITH THE EXPERT



Room: BLUE 2

MONDAY 5 JUNE 2023

12:30-13:30
LUNCH SYMPOSIA



Room: RED 2



Room: BLUE 1



Room: BLUE 2

TUESDAY 6 JUNE 2023

12:00-13:00
LUNCH SYMPOSIA



Room: BLUE 1



Room: BLUE 2



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PRIZES AND AWARDS FROM INDUSTRY

ESTS-Medela Poiseuille Award for Drainology – 2000 EUR

This Award is offered to an ESTS member, first author, for the best abstract/presentation in the field of drainology. It is an annual prize instituted at the 31st European Conference on General Thoracic Surgery held in Milan in 2023.

The prize comes courtesy of Medela.



ESTS Biology Club Fellowship Award 2024

A Research Fellowship award offered to young scientists and clinicians to visit a Research Unit at a Department of Thoracic Surgery with the aim of acquiring an insight and special knowledge of clinical or translational research concepts or techniques not available at the home institution.

The home institution will benefit from the research training when the applicant returns, leading to research developments and activities.

The award comes courtesy of Astra Zeneca





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NETWORKING EVENTS

WELCOME RECEPTION

SUNDAY 4 JUNE 2023 • 19:00-20:00

Exhibition Area – Allianz MiCo



WOMEN IN GENERAL THORACIC SURGERY STUDENT, TRAINEE, EARLY CAREER MEMBERS

SUNDAY 4 JUNE 2023 • 20:30-22:00

VENUE: Villa Necchi Campiglio (Via Mozart, 14, 20122 Milano)

Limited attendance with previous registration on site

Ticket: 10 € donation

Tickets can be collected on Sunday 4 June at the Congress venue - Technical Secretariat desk.

Subject to availability - on a first come, first serve basis.



Sponsored by:



ESTS PARTY DINNER

MONDAY 5 JUNE 2023 • 20:00-23.30

Venue: Villa Verganti Veronesi (Viale Lombardia, 33, Inveruno Milan)

Cost: 140€ - Reduced fee for trainees and Allied Health Professionals: 110€

Dess code: Smart Casual





ESTS WOMEN IN GENERAL THORACIC SURGERY (WGTS) COMMITTEE



STUDENT, TRAINEE, EARLY CAREER MEMBERS (STEM) WORKING GROUP



NETWORKING RECEPTION

Sunday 4th June • 20:00-23:00

ORGANIZERS



Cecilia Pompili
(London/UK)



Andrea Cara
(Milan/IT)



Giulia Veronesi
(Milan/IT)



Edward Caruana
(Leicester/UK)

LEADERSHIP IN THORACIC SURGERY

LEADERSHIP IN HEALTHCARE
(Personal) leadership for healthcare professionals



Jenneke Ewals
(Rotterdam/NL)

FIVE FEMALE PRESIDENTS
Speed fire interview on Leadership



Douglas E. Wood
(Seattle/US)



Niek Hugen
(Amsterdam/NL)

FACULTY



Isabelle Opitz (Zurich/CH)
ESTS President



Yolonda Colson (Boston/US)
AATS Past President



Daniela Molena (New York/US)
WTS President



Katrin Welcker (Moenchengladbach/DE)
DGT President



Franca Melfi (Pisa/IT)
EACTS Vice President

**LIMITED ATTENDANCE
PRE-REGISTRATION ON SITE**

Ticket required for entrance

For more information:
www.ests2023.com



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ESTS CHILDCARE ON SITE

ESTS fully supports working parents and will offer an onsite daycare service at the congress venue during the Meeting:

Sunday 4 June	08:00-18:00
Monday 5 June	08:00-18:00
Tuesday 6 June	08:00-18:00

The number of children is limited, and the age range is 1-12 years.

Are you a breastfeeding mom? You can find facilities at the childcare space.

Please indicate the dates and desired hours of childcare in the registration form that you will find at the congress website: www.ests2023.com

Free childcare service

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