-1.1 days
duration of chest tube placement after thoracic surgery *

Enabling your ERAS® protocol

Find out more about Thopaz+ Digital Chest Drainage and Monitoring System on www.medelahealthcare.com

## EDUCATIONAL EVENTS 2019-2020

<table>
<thead>
<tr>
<th>Location</th>
<th>Date</th>
<th>Event Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hamburg</td>
<td>25-27 September 2019</td>
<td>SKILL TRACK Chest Wall Surgery Course</td>
<td>Registration open</td>
</tr>
<tr>
<td>Hamburg</td>
<td>13-15 November 2019</td>
<td>ACADEMIC COMPETENCE TRACK Medical Writing Course</td>
<td>Registration open</td>
</tr>
<tr>
<td>Copenhagen</td>
<td>25-26 November 2019</td>
<td>VATS LOBECTOMY ADVANCED COURSE Dry and Wet Lab</td>
<td>Registration open</td>
</tr>
<tr>
<td>Leeds</td>
<td>TBD</td>
<td>BUSINESS MANAGEMENT COURSE - ILM LEVEL 5 Theoretical Course</td>
<td></td>
</tr>
<tr>
<td>Vienna</td>
<td>5-7 March 2020</td>
<td>VIENNA ESTS LARYNGOTRACHEAL COURSE Symposium, Dry and Wet Lab</td>
<td></td>
</tr>
<tr>
<td>Prague</td>
<td>16-21 March 2020</td>
<td>KNOWLEDGE TRACK COURSE: PRAGUE Theoretical Course</td>
<td></td>
</tr>
<tr>
<td>Hamburg</td>
<td>18-19 May 2020</td>
<td>VATS LOBECTOMY COURSE BASIC INTERMEDIATE Dry and Wet Lab</td>
<td></td>
</tr>
<tr>
<td>Copenhagen</td>
<td>25-26 November 2019</td>
<td>ESOPHAGECTOMY-ANASTOMOSIS COURSE Skills/Dry and Wet Lab</td>
<td></td>
</tr>
</tbody>
</table>

INFORMATION & REGISTRATION: www.estls.org
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Title</th>
<th>Speaker and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 October 2019</td>
<td>6:00 pm CET</td>
<td>EARLY LUNG CANCER: Follow-up, Localization and Management of Ground Glass Opacities</td>
<td>Haiquan Chen (China)</td>
</tr>
<tr>
<td>18 November 2019</td>
<td>6:00 pm CET</td>
<td>MEDIASTINUM: Peculiarities of subxiphoid approach for anterior mediastinal Masses</td>
<td>Marcin Zielinski (Poland)</td>
</tr>
<tr>
<td>16 December 2019</td>
<td>6:00 pm CET</td>
<td>ESOPHAGUS: ERAS after esophageal surgery</td>
<td>Donald Low (US)</td>
</tr>
<tr>
<td>20 January 2020</td>
<td>6:00 pm CET</td>
<td>BENIGN LUNG DISEASE: Surgical Indications and Techniques for TB</td>
<td>Piotr Yablonskii (Russia)</td>
</tr>
<tr>
<td>17 February 2020</td>
<td>6:00 pm CET</td>
<td>PLEURA: Management of Malignant Pleural Effusions</td>
<td>Clemens Aigner (Germany)</td>
</tr>
<tr>
<td>16 March 2020</td>
<td>6:00 pm CET</td>
<td>PERIOPERATIVE MANAGEMENT: ERAS after lung resections</td>
<td>Tim Batchelor (UK)</td>
</tr>
<tr>
<td>20 April 2020</td>
<td>6:00 pm CET</td>
<td>CHEST WALL: Chest wall deformities – Do we need personalized management strategies?</td>
<td>Mustafa Yuksel (Turkey)</td>
</tr>
<tr>
<td>18 May 2020</td>
<td>6:00 pm CET</td>
<td>NON-PRIMARY LUNG MALIGANCIES: Indications for surgical treatment of lung metastases</td>
<td>Ugo Pastorino (Italy)</td>
</tr>
</tbody>
</table>

**COMMITTEE FOR LEARNING AFFAIRS**

- **Gilbert Massard**, Strasbourg, France (President)
- **Alessandro Brunelli**, Leeds, UK (Secretary General)
- **Isabelle Opitz**, Zurich, Switzerland (Treasurer)
- **Gaetano Rocco**, New York, USA (Editor)
- **Hasan Batirel**, Istanbul, Turkey (Director of Education)
- **Jalal Assouad**, Paris, France (E-learning Co-ordinator)
- **Lieven Depypere**, Leuven, Belgium (E-learning Co-ordinator)
- **Didier Lardinois**, Basel, Switzerland (Skills Track Co-ordinator)
- **Olivia Lauk**, Zurich, Switzerland (Trainee Representative)
- **Nuria Novoa**, Salamanca, Spain (Knowledge Track Co-ordinator)
Welcome Address
Prof. David Healy. Chair of LOC
Prof. Gilbert Massard. ESTS President

Symposium for Nurses - Welcome

Welcome to Dublin

ESTS Council 2019

Venue / Main Contact Details

Registration fees

General Information

Program at a glance

Scientific Program
  Sunday 09 June
  Monday 10 June
  Tuesday 11 June
  Wednesday 12 June

Posters

Symposium for Nurses

ESTS Official Sessions

Abstract submission

Prizes and Awards

Accommodation

Official Networking Program

Main Sponsors
Dublin is a city without strangers, where there are only friends who have not yet met. I hope you enjoy it and have as much fun on your short visit as you have capacity and energy. This is an accessible city with international airlinks and geography that see it a major location for aircraft leasing companies, with 50% of rental commercial airplanes worldwide leased by Irish companies. It is a safe city where the police are unarmed and visitors welcomed.

The European Society of Thoracic Surgeons is the largest thoracic surgery focused meeting in the world. The program will inform and inspire. You will learn new techniques you will want to implement at home. We look forward to your interaction and to your own contributions to the meeting. We want you to be part of it. You will meet new people and develop new contacts and links. We want you to return home planning your next professional thoracic journey. We will also show you some of the culture, creations and customs that make us who we are in Ireland. We will get you involved. We want you to come back.

This meeting will be about respect, collaboration, science and innovation. It is the truly global group for thoracic surgery. This discipline is changing so fast it is spinning. Never before have we been challenged by patients with so much co-morbidity. Never before have outcome expectations been so high. Never before have the costs of new technologies presented such challenges. Now is our time to come together to meet and endeavor to rise to these challenges. Dublin is waiting.

Prof. David Healy
Chair of LOC
Dear Members and Guests

The European Society of Thoracic Surgeons will celebrate its 27th annual meeting in Dublin from 9 – 12 June 2019.

Together with the Program Committee, we have worked hard to prepare this event. We expect to offer you scientific fireworks, and in parallel innovative educational tracks. Considering the constant growth of our Society, the constant improvement of the quality of our programs and satisfaction rate of the delegates we are fully loaded with fantastic expectations for this year’s Annual Conference on Thoracic Surgery.

A couple of months before the Opening Ceremony, I have to express my deep gratitude to three parties at least: all authors who will have submitted abstracts – their tremendous work is absolutely necessary to create a high quality scientific program; all participants – without them, the conference would simply be meaningless; the exhibitors and partners from industry – who make it possible to happen!

Our annual meeting is not only marked by science and education. Most of us would agree to state that it is a meeting of a united thoracic surgical family in a globalized world. As such it is definitely an opportunity to network between institutions or between and across generations. Aside research and education, we should remember that best scientific evidence might turn out to be wrong after a couple of years, yet true friendship lasts for a lifetime! Do not miss this major opportunity to meet between friends, and to broaden the circle by finding new friends. While the purpose of the conference is to promote science and education, we should not forget about some leisure for informal exchange, or simply relaxing after strenuous working hours. I am pretty sure that the lovely city of Dublin will offer a fertile soil for planned or spontaneous social events.

Dear Colleagues and Friends, as current President of ESTS, the world’s largest society for General Thoracic Surgery, I am both proud and overwhelmed with happiness to welcome all of you Dear Delegates gathering from all 5 continents! I wish you to catch unforgettable impressions from our conference and a marvellous stay in Dublin.

Prof. Gilbert Massard
ESTS President
Dear Nursing & Allied Health Colleagues

We would like to invite you to the 6th Nursing & Allied Health Professionals Symposium at the 27th ESTS conference in Dublin, Ireland 2019.

The symposium will cover a variety of topics within thoracic surgery that are of interest to this specialist group. The presentations throughout the day will be delivered by invited speakers, oral presentations, posters and workshop based learning.

This is a great opportunity to contribute to the largest and most important international symposium for nurses and allied health professionals. It is an opportunity to share our experiences and knowledge with each other whilst networking with the wider international community.

The Symposium will be an important addition to your continuous professional development. It will also offer an opportunity to engage with the most recent research in the field of thoracic surgery, positively impacting on care delivery to our patient group.

All you have to do to be a part of this exciting meeting is submit your abstract for presentation or simply register for the symposium. Please join us in Dublin, 9 – 12 June 2019, a beautiful time to visit Ireland’s capital city.

Call for abstracts is from 3 December 2018 to 28 February 2019
When participating in the nursing programme, you are welcome to join the other scientific sessions as well.

We are looking forward to welcoming you.

David Healy
Chair, Local Organising Committee
WELCOME TO DUBLIN

Dublin is Ready!

Effortlessly combining the traditional with the modern, the historic with the contemporary, and the dynamic with that famous Irish laid-back quality, Dublin is an exciting and inspirational city eager to extend a warm welcome visitors from across the globe. Scoring high on essential criteria such as accessibility, facilities and service, Dublin delivers in its own inimitable way.

Captivating experience:
Enjoy this vibrant city of surprising experiences, with sea and mountains on its doorstep
Dublin is a breath of fresh air, a truly unique capital that’s steeped in tradition yet young at heart.  https://www.visitdublin.com/

Safety:
Dublin is a safe and welcoming city with a strong, stable economy. The city is one of the friendliest in Europe and maintains a relaxed and welcoming atmosphere.

Knowledge Capital:
Experienced professionals, world-class researchers, multi-national organisations and innovative start-ups have all made Dublin their home. Over 1,200 overseas companies have chosen Ireland as their European base and are involved in a wide range of activities.
## COMMITTEES

### LOCAL ORGANIZING COMMITTEE

**Chair**
David Healy

**Members**
Kieran McManus
Rachel Brown - Symposium for Nurses
Donna Eaton

### SCIENTIFIC PROGRAM COMMITTEE 2019

- **Hasan Batirel**
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- **Alessandro Brunelli**
  Leeds (UK)
- **Masayuki Chida**
  Shimotsuga (Japan)
- **Pierre-Emmanuel Falcoz**
  Strasbourg (France)
- **David Healy**
  Dublin (Ireland)
- **Jaroslaw Kuzdzal**
  Krakow (Poland)
- **Lunxu Liu**
  Chengdu (China)
- **Gilbert Massard**
  Strasbourg (France)
- **Isabelle Opitz**
  Zurich (Switzerland)
- **Gaetano Rocco**
  New York (US)
- **Enrico Ruffini**
  Torino (Italy)
- **Marco Scarci**
  Monza (Italy)
- **Fernando Vannucci**
  Rio de Janeiro (Brazil)
- **Douglas Wood**
  Seattle (US)

### ESTS COUNCIL

**COUNCIL OFFICERS 2018/2019**

- **President**
  Gilbert Massard
  Strasbourg (France)
- **Secretary General**
  Alessandro Brunelli
  Leeds (UK)
- **Treasurer**
  Isabelle Opitz
  Zurich (Switzerland)
- **Editor**
  Gaetano Rocco
  New York (US)
- **President Elect**
  Enrico Ruffini
  Torino (Italy)
- **Past President**
  Konstantinos Papagiannopoulos
  Leeds (UK)

### DIRECTORS 2018/2019

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  Marco Scarci
  Monza (Italy)
- **Director of Database**
  Pierre Emmanuel Falcoz
  Strasbourg (France)
- **Director of Education**
  Hasan Batirel
  Istanbul (Turkey)
- **Director of External Relations**
  Jaroslaw Kuzdzal
  Krakow (Poland)

### COUNCILLORS

- **Herbert Decaluwe**
  Leuven (Belgium)
- **Nuria Novoa**
  Salamanca (Spain)
- **Rene Petersen**
  Copenhagen (Denmark)
- **Willem-Hans Steup**
  The Hague (Netherlands)
- **David Waller**
  London (UK)
VENUE
The Convention Centre Dublin
Spencer Dock
North Wall Quay
Dublin 1
D01 T1W6
Ireland
www.theccd.ie

WEBSITE
www.ests2019.com
www.ests.org

MAIN CONTACT DETAILS

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Exeter EX2 4LE (UK)
Tel./Fax +44 1392 430671
Email: sue@ests.org.uk
www.ests.org

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C/ Alberto Bosch 13
28014 Madrid (Spain)
Tel. +34 91 3300565
Exhibition
Ms Asun Marzo
amarzo@viajeseci.es
Ms Laura Pascual
lpascual@viajeseci.es
T. +34 932463566
Registrations - General Information
Ms Tatiana Rodríguez
ests@viajeseci.es
## Registration Fees

<table>
<thead>
<tr>
<th>Category</th>
<th>Early Fees</th>
<th>Late Fees</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ESTS Member</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>High-income*</td>
<td>400€</td>
<td>450€</td>
</tr>
<tr>
<td>Upper-middle-income*</td>
<td>150€</td>
<td>200€</td>
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<tr>
<td>Low-income*</td>
<td>50€</td>
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<tr>
<td><strong>Non-Member</strong></td>
<td>650€</td>
<td>750€</td>
</tr>
<tr>
<td><strong>ERS Member</strong> (for pulmonologists only)</td>
<td>150€</td>
<td>300€</td>
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<tr>
<td><strong>Daypass</strong></td>
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<tr>
<td>ESTS Member (only possible for one day)</td>
<td>200€</td>
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<tr>
<td>Non Member (only possible for one day)</td>
<td>350€</td>
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<tr>
<td><strong>Trainee</strong></td>
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<tr>
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<td>50€</td>
<td>105€</td>
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<tr>
<td>Non Member</td>
<td>105€</td>
<td>160€</td>
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<tr>
<td><strong>Allied Professionals</strong></td>
<td>50€</td>
<td>65€</td>
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<tr>
<td><strong>Medical Student (undergraduate)</strong></td>
<td>0€</td>
<td>0€</td>
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<tr>
<td><strong>NOT INCLUDED IN THE REGISTRATION FEE</strong></td>
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<tr>
<td>Sunrise Seminar (with breakfast)</td>
<td>25€</td>
<td>50€</td>
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<tr>
<td><strong>GALA DINNER TICKET</strong></td>
<td>125€</td>
<td>125€</td>
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<tr>
<td>Reduced price for Trainee only (Limited 80 tickets)</td>
<td>100€</td>
<td>100€</td>
</tr>
<tr>
<td>Reduced price for Allied Health professional only (Limited 20 tickets)</td>
<td>100€</td>
<td>100€</td>
</tr>
<tr>
<td><strong>TRAINING VILLAGE</strong></td>
<td>FREE OF CHARGE FOR EVERY DELEGATE</td>
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</tr>
</tbody>
</table>

23% VAT is included in the prices listed above. (13.5% only for Gala dinner)

* For the classification please visit www.ests.org

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

Reduced early registration is available to ESTS members who have paid their 2019 member fee by the close of early registration on 17 April 2019. For members that pay their member fee after this date, the on-site registration fee will apply.
REGISTRATION CANCELLATION POLICY

All cancellations and changes to registrations must be sent to e-mail: ests@viajeseci.es

The following registration CANCELLATION POLICIES apply:

Written notice of registration cancellation by 30 April 2019: 50% refund of the paid registration fee (less EUR 25 administration fee).
No refund will be granted for registrations cancelled after this date. Reimbursements will be made after the conference. 
All costs and bank charges applied for payments and reimbursements of registration fees must be supported by the participant.

TERMS OF PAYMENT

The following payment options are available via the online registration form:

Bank transfer - all relevant bank details are made available on the registration form.
Credit card - payment via secure online e-commerce gateway (VISA and Mastercard accepted)
GENERAL INFORMATION

REGISTRATION & ABSTRACT SUBMISSION
www.est.s.org
https://emma.events/ests2019

WIRELESS INTERNET ACCESS
WiFi Internet access area will be available at the Congress.

SOCIAL EVENTS
Welcome Cocktail
ESTS 2019 Welcome Cocktail will be held on Sunday, June 9th late afternoon after the Opening Ceremony.
(included in the registration fee)

Gala Dinner
ESTS 2019 Gala Dinner will be held on Tuesday, June 11th evening.
(Not included in the registration fee)

ACCOMMODATION DETAILS
Accommodation details are available at the website and further announcements.

ECO-FRIENDLY
ESTS 2019 is a sustainable and environmental friendly Congress encouraging the use of recyclable material.

SMOKING
ESTS 2019 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

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, 8 June</td>
<td>16.00 - 19.30 h</td>
</tr>
<tr>
<td>Sunday, 9 June</td>
<td>06.30 - 18.00 h</td>
</tr>
<tr>
<td>Monday, 10 June</td>
<td>06.30 - 18.00 h</td>
</tr>
<tr>
<td>Tuesday, 11 June</td>
<td>06.30 - 17.30 h</td>
</tr>
<tr>
<td>Wednesday, 12 June</td>
<td>08.30 - 12.00 h</td>
</tr>
</tbody>
</table>

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 1.500 and 1.800 delegates from all over Europe and from all over the World.
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 9 - 12 June 2019 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

Dublin 2019 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 programme and abstract book.
The ESTS Conference App will be accessible for download on Android and IOS devices (smartphones, tablets, iPhones and iPads).
# 27th ESTS MEETING

**9 JUNE - 12 JUNE 2019 • DUBLIN, IRELAND**

## PROGRAM AT A GLANCE

### SUNDAY 09 JUNE 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>AUDITORIUM</th>
<th>THE LIFFEY A</th>
<th>WICKLOW HALL 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:00 - 08:30</td>
<td>Postgraduate Symposium</td>
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<tr>
<td>08:30 - 09:00</td>
<td>Master Cup</td>
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<td>09:00 - 09:30</td>
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<td>09:30 - 10:00</td>
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<tr>
<td>10:00 - 10:30</td>
<td>Coffee Break (Exhibition Area)</td>
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<tr>
<td>10:30 - 11:00</td>
<td>Postgraduate Symposium</td>
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<tr>
<td>11:00 - 11:30</td>
<td>Master Cup</td>
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<td>11:30 - 12:00</td>
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<tr>
<td>13:30 - 14:00</td>
<td>Database and Quality</td>
<td>Challenging oncologic cases in thoracic surgery: a multidisciplinary tumor</td>
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<td></td>
<td>Certification Session</td>
<td>board session in co-operation with ESMO-ESTRO</td>
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<tr>
<td>14:00 - 14:30</td>
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<tr>
<td>14:30 - 15:00</td>
<td>Coffee Break (Exhibition Area)</td>
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<tr>
<td>15:00 - 15:30</td>
<td>Key Papers Through the Year</td>
<td>Nightmares in Thoracic Surgery in co-operation with Japanese Association of</td>
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<tr>
<td></td>
<td></td>
<td>Chest Surgery (JACS)</td>
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<tr>
<td>15:30 - 16:00</td>
<td>Black Swan Operations</td>
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<tr>
<td>16:00 - 16:30</td>
<td>Junior Poster Session (Poster Area -</td>
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<tr>
<td></td>
<td>Exhibition Area)</td>
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<tr>
<td>16:30 - 17:00</td>
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<tr>
<td>17:00</td>
<td>Opening Ceremony Industry (Exhibition Area)</td>
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<td>17:00 - 17:30</td>
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<td>17:30 - 18:00</td>
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<td>18:00 - 18:45</td>
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<tr>
<td>18:45 - 20:00</td>
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<td>Welcome Reception (Exhibition Area)</td>
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<tr>
<td>20:00 - 22:00</td>
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<td>Trainees Get Together</td>
<td></td>
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# Program

## Program at a Glance

### Monday 10 June 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>07:00 - 07:30</td>
<td></td>
<td>Official Opening</td>
</tr>
<tr>
<td>07:30 - 07:50</td>
<td></td>
<td>Report of the Director of the Annual Meeting</td>
</tr>
<tr>
<td>08:00 - 08:15</td>
<td></td>
<td>Brompton Session III</td>
</tr>
<tr>
<td>08:15 - 08:30</td>
<td>Auditorium</td>
<td>INVITED LECTURE: Vogt-Moykopf Lecture</td>
</tr>
<tr>
<td>08:30 - 09:00</td>
<td>WICKLOW HALL 1</td>
<td>Nurses &amp; Allied Health Professionals Symposium</td>
</tr>
<tr>
<td>09:00 - 09:30</td>
<td>WICKLOW HALL 2A</td>
<td>MITIG VATS Resection Session VI</td>
</tr>
<tr>
<td>09:30 - 10:00</td>
<td>WICKLOW HALL 2B</td>
<td>Sunrise Seminar 2</td>
</tr>
<tr>
<td>10:00 - 10:30</td>
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<td>Coffee Break (Exhibition Area)</td>
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<tr>
<td>10:30 - 11:00</td>
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<td>Invited Lecture</td>
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<tr>
<td>11:00 - 11:30</td>
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<td>ESTS Vogt-Moykopf Lecture</td>
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<tr>
<td>11:30 - 11:50</td>
<td></td>
<td>Nurses &amp; Allied Health Professionals Symposium</td>
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<tr>
<td>11:50 - 12:30</td>
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<td>Introduction to the President</td>
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<tr>
<td>12:30 - 13:00</td>
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<td>Posters Session IV</td>
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<tr>
<td>13:00 - 13:30</td>
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<td>Lunch Symposium</td>
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<tr>
<td>13:30 - 14:00</td>
<td>WICKLOW HALL 1</td>
<td>Tracheal and Airway Surgery in co-operation with the Brazilian Society of Thoracic Surgery  (SBCT)</td>
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<tr>
<td>14:00 - 14:30</td>
<td>WICKLOW HALL 2A</td>
<td>Pulmonary Non-Neoplastic Session V</td>
</tr>
<tr>
<td>14:30 - 15:00</td>
<td>WICKLOW HALL 2B</td>
<td>Practical Session for Nurses &amp; Allied Health Professionals</td>
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<tr>
<td>15:00 - 15:30</td>
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<td>Coffee Break (Exhibition Area)</td>
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<td>15:30 - 16:00</td>
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<td>LUNG SURGERY OF THE FUTURE in co-operation with International Society for Minimally Invasive Cardiothoracic Surgery (ISMICS)</td>
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<td>16:00 - 16:30</td>
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<td>Coffee Break (Exhibition Area)</td>
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<td>Coffee Break (Exhibition Area)</td>
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<td>17:00 - 17:30</td>
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<td>Young Investigators Award Session VII</td>
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<td>17:30 - 18:00</td>
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<td>Nurses &amp; Allied Health Professionals Symposium</td>
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<td>18:00 - 18:30</td>
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<td>Esophageal Session</td>
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<td>18:30 - 19:00</td>
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<td>Women in Thoracic Surgery Networking Reception</td>
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<td>Aperitif Symposium</td>
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**Legend:**
- **ABSTRACT SESSION**
- **LECTURE**
- **OTHERS (EX. LUNCH SYMPOSIUM)**
- **SUNRISE ACADEMY / HANDS-ON SESSION**
- **SESSIONS IN CO-OPERATION WITH OTHER SOCIETIES**
- **EDUCATIONAL STREAMS**
  - **ROBOTIC**
  - **VATS**
  - **NURSES**
## TUESDAY 11 JUNE 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Auditorium</th>
<th>The Liffey A</th>
<th>Wicklow Hall 1</th>
<th>Wicklow Hall 2A</th>
<th>Wicklow Hall 2B</th>
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<tbody>
<tr>
<td>07:00 - 07:30</td>
<td>Sunrise Seminar 3</td>
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<td>07:30 - 07:50</td>
<td>Sunrise Seminar 4</td>
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<tr>
<td>08:00 - 08:30</td>
<td>Innovative/Experimental Session VIII</td>
<td>Non-Operative Technical Skills for Surgeons</td>
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<td>08:30 - 09:00</td>
<td>Esophagus/Mediastinum Session IX</td>
<td>Chest Wall Working Group</td>
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<td>09:00 - 09:30</td>
<td>Pulmonary Neoplastic I Session X</td>
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<td>10:00 - 10:30</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 - 11:00</td>
<td>Pulmonary Neoplastic II Session XI</td>
<td>Lung transplantation Current debates in lung transplantation</td>
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<td>12:00 - 12:30</td>
<td>Extraordinary Guest Lecture</td>
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<td>12:30 - 13:00</td>
<td>Posters Session XII Discussion - Exhibition Area</td>
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<td>13:00 - 13:30</td>
<td>Junior Lunch Symposium Experts revealing the secrets of thoracic surgery</td>
<td>Lunch Symposium</td>
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<tr>
<td>14:00 - 14:30</td>
<td>Chest Wall / Diaphragm / Pleura Session XIII</td>
<td>Interesting Cases Session XIV</td>
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<td>14:30 - 15:00</td>
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<tr>
<td>15:00 - 15:30</td>
<td>Mixed Thoracic Abstract Session XV</td>
<td>Mesothelioma Guidelines in co-operation with ERS/ESTRO/EACTS</td>
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<tr>
<td>16:30 - 17:00</td>
<td>Transplant Session XVI</td>
<td>Lung Cancer Management Update in co-operation with the International Association for the Study of Lung Cancer (IASLC)</td>
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<tr>
<td>17:30 - 18:00</td>
<td>General Assembly</td>
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ESTS Gala Dinner (at own expense)

### ECOCEM

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<tr>
<th>Time</th>
<th>Lunch Symposium</th>
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<tr>
<td>13:00 - 14:00</td>
<td>Lunch Symposium</td>
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PROGRAM AT A GLANCE

WEDNESDAY 12 JUNE 2019

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<thead>
<tr>
<th>TIME</th>
<th>AUDITORIUM</th>
<th>THE LIFFEY A</th>
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<tbody>
<tr>
<td>09:00 - 09:30</td>
<td>Video III Abstract Session XVII</td>
<td>Pro &amp; Con Session</td>
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<tr>
<td>09:30 - 10:00</td>
<td>Outcome Reporting and Quality Measure in co-operation with Society for Cardiothoracic Surgery in Great Britain and Ireland (SCTS)</td>
<td>ESTS in co-operation with Chinese Association of Thoracic Surgery (CATS)</td>
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<td>10:00 - 10:30</td>
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SCIENTIFIC PROGRAM
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 recent years the ESTS textbook has been the basis for the education program. But Thoracic Surgery moves on. The aim of this year’s postgraduate program will be to look at areas which have developed and evolved since the publication of the textbook and those areas which represents part of our daily practice. To spice up the atmosphere, we will again pitch the continents against each other with three teams of young surgeons representing Europe (+UK), Asia and the Americas fighting it out to win the ESTS Master Cup.

Prizes:
The ESTS Master Cup for the best scoring team.

ESTS-AME award: this is awarded for the best overall performance by a trainee member in the Postgraduate Course Master's Cup Competition who wins an expenses paid one month attachment to a leading Thoracic Surgery Unit in China. The prize comes courtesy of AME Publishing Company

ESTS audience awards: these are awarded for the top 3 audience’s responses regarding the presented topics.
- ESTS Award for the third best audience performer: a free registration to 2020 Annual Meeting, The Hague, The Netherlands

Format:
The 2019 Postgraduate Course – Master Cup will be structured as an interactive presentation and comments of real-life case scenarios by three teams from 3 continents: Europe, Americas and Asia. Each team is composed of 2 captains and 5 trainees. There will be 5 identical sessions, one for each topic.

Each session will be structured as follows:
1. The expert will give a brief introduction of the topic (2 min).
2. Team A will present one case scenario (1 min) and will formulate two articulated questions, one to each other team (B and C). The responding teams and the audience will have a 30-sec time 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 (30 sec for each question).
3. The responding teams will explain and discuss their answer one at a time (1 min each).
4. The panel jury will score the quality of the presentation of the case scenario (team A) and the quality of the discussion of the responding teams (answer and supporting arguments) for the questions.
5. Same sequence (from #2 to #5) for team B and C.
6. At the end of the 3 case scenarios (one from each team):
   - the audience voting for each question (total 6 questions) will be revealed
   - The expert will reveal the correct answer for each question (total 6 questions)
7. The expert will deliver a wrap-up and a final educational message (3 min).

The same format (#1-#7) will be repeated for the 5 topics.

5 TOPICS
- 8th edition of the TNM classification
- Thoracic trauma
- Lung cancer screening
- Thoracic infectious diseases
- Airway scenarios
THE PANEL JURY

- 6 Team captains:
  Europe: Alessandro Bertani (Palermo/IT); David Waller (London/UK)
  Americas: Stephen Cassivi (Rochester/US); Ricardo Terra (Sao Paolo/BR)
  Asia: Akit Turna (Istanbul/TK); Masayuki Chida (Dokkyo/JP)

- 5 Experts:
  Frank Detterbeck (Yale/US); Tamas Molnar (Pecs/HU);
  Giulia Veronesi (Milan/IT); Arvind Kumar (Delhi/IN);
  Walter Weder (Zurich/CH)

What the ESTS Postgraduate may offer:

- To those developing our specialty the chance to mix it with others at the cutting edge.

- To the practicing surgeon the opportunity to see the directions that Thoracic Surgery and related sciences are heading.

- To the trainee surgeons the chance to hear from the leaders who are setting up the future for you … and setting the questions in your exams!

- A real kickstart to the ESTS Annual Scientific meeting.

- All done as part of an entertaining competition between the continents in a lively learning atmosphere.
SCIENTIFIC PROGRAM - SUNDAY 09 JUNE

2019 ESTS POSTGRADUATE SYMPOSIUM – MASTER CUP

TEAM EUROPE-CAPTAINS: ALESSANDRO BERTANI/IT  
DAVID WALLER/UK
- Rory Beattie  
- Katarzyna Blazejczyk  
- Sara Pieropan  
- Julio Sesma  
- Raphael Werner

TEAM AMERICAS-CAPTAINS: STEPHEN CASSIV/USA  
RICARDO MINGARINI TERRA/BR
- Andre Miotto  
- Rocha Junior Eserval  
- Gregory D Jones  
- Luis Tapias

TEAM ASIA-CAPTAINS: MASAYUKI CHIDA/JP  
AKIF TURNA/TK
- Yoonjin Kang  
- Ismail Sarbay  
- Pallavi Purwar  
- Yingran Shen  
- Aki Kobayashi

UC  
Germany  
Italy  
Spain  
Switzerland  
Brazil  
Brazil  
USA  
USA  
South Korea  
Turkey  
India  
China  
Japan
SCIENTIFIC PROGRAM - SUNDAY 09 JUNE

2019 ESTS POSTGRADUATE SYMPOSIUM – MASTER CUP

PGC AGENDA

08:00-08:15
Introduction
Report of the 2018 AME prize winner
Description of the game rules

SESSION I
08:15-08:45
Topic 1: 8th Edition of the TNM classification
Expert: Frank Detterbeck (Yale/US)
Team Americas: Lung cancer TNM
Team Asia: Thymic tumors TNM
Team Europe: Pleural Mesothelioma TNM

SESSION II
08:50-09:20
Topic 2: Thoracic trauma
Expert: Tamas Molnar (Pecs/HU)
Team Asia: Interventions for complications and late sequelae
Team Europe: Emergency/Resuscitative
Team Americas: Early management including the role and timing of VATS, chest wall fixation and intensive care.

SESSION III
09:25-09:55
Topic 3: Lung cancer screening
Expert: Giulia Veronesi (Milan/IT)
Team Europe: Management of screened nodules
Team Americas: Management of early stages
Team Asia: Management of Ground Glass Opacities (GGO)

10:00-10:30
Coffee break

SESSION IV
10:35-11:05
Topic 4: Thoracic infectious diseases
Expert: Arvind Kumar (New Delhi/IN)
Team Americas: Parasitic lung diseases
Team Asia: Tuberculosis thoracic infections
Team Europe: Bacterial non-TB infections

SESSION V
11:10-11:40
Topic 5: Airway scenarios
Expert: Walter Weder (Zurich/CH)
Team Europe: Tracheo-esophageal fistulas (TEF)
Team Americas: Airway tumors (excluding TEF)
Team Asia: Benign airway diseases (excluding TEF)

GRAND FINAL
11:40-12:00
Summary score from the audience
Award proclamation for the 3 top audience performers
Proclamation of the ESTS-AME award winner
Total summary score for the competing teams
Proclamation of the ESTS Master Cup winner
**CHALLENGING ONCOLOGIC CASES IN THORACIC SURGERY: A MULTIDISCIPLINARY TUMOR BOARD SESSION IN CO-OPERATION WITH ESMO-ESTRO**  
**SUNDAY, 09 JUNE 2019  13:00 - 14:00 h · THE LIFFEY A**

**Chairpersons:** Gunda Leschber (Berlin/DE)  
Lizza Hendriks (Masstricht/NL)

This multidisciplinary tumour board/ challenging cases session is a combined meeting with our partner societies ESMO/ESTRO and ESTS.

**13:00 - 13:05**  
**Case Presentation**  
Katarzyna Blażejczyk (Berlin/DE)

**13:05 - 13:10**  
**Case Presentation**  
Francesco Guerrera (Torino/IT)

**13:10 - 13:15**  
**Case Presentation**  
Saha Saddoughi (Rochester/US)

*Discussants*

- **Thoracic Surgery**
  - Paul Van Schil (Antwerp/BE)

- **Oncology**
  - Noemi Reguart (Barcelona/ES)

- **Radio-oncology**
  - Kevin Franks (Leeds/UK)

The session will address difficult cases that are discussed among the three specialties (Thoracic Surgery, Oncology, Radio-oncology), imitating a real clinical situation. Three cases will be presented and extensively discussed according to the current state of the art.
SCIENTIFIC PROGRAM - SUNDAY 09 JUNE

DATABASE AND QUALITY CERTIFICATION SESSION
SUNDAY 09 JUNE 2019 13:00 - 14:30 h · AUDITORIUM
Chairpersons: Pierre-Emmanuel Falcoz (Strasbourg/FR)
Zalan Szanto (Pecs/HU)

The aim of the Database session is to provide important epidemiologic
and benchmark data for the general thoracic surgery practice.

13:00 - 13:12
Database Annual Report
Pierre Emmanuel Falcoz (Strasbourg/FR)

13:12 - 13:24
Update in the Institutional Accreditation
Alessandro Brunelli (Leeds/UK)

13:24 - 13:36
ESTS Robotic Database: current status and perspective
Giulia Veronesi (Milan/IT)

13:36 - 13:48
Transatlantic perspective of IIIA N2 patients: the STS/ESTS
Database Experience
Benjamin Kozower (Washington/US)

13:48 - 14:00
Example of Database users Work: The Turkish Experience
Akif Turna (Istanbul/TR)

14:00 - 14:05
Machine learning in Thoracic Surgery: Experience using DLCO
Michele Salati (Ancona/IT)

14:05 - 14:12
Machine learning in Thoracic Surgery: Experience using DLCO
Sara Moccia (Ancona/IT)

14:12 - 14:24
Machine learning in Thoracic Surgery: Hungarian Experience
Zalan Szanto (Pecs/HU)

14:24 - 14:30
Presentation of accredited units 2018

NIGHTMARES IN THORACIC SURGERY
IN CO-OPERATION WITH JAPANESE
ASSOCIATION FOR CHEST SURGERY (JACS)
SUNDAY, 09 JUNE 2019 14:30 - 15:30 h · THE LIFFEY A
Chairpersons: Seiki Hasegawa (Nishinomiya/JP)
David Waller (London/UK)

14:30 - 14:45
Case 1: A tracheo gastric fistula after esophagectomy
Marcin Zielinski (Zakopane/PL)

14:45 - 15:00
Case 2: Bronchial perforation during bronchoscopic
debridement for bronchial stricture one year after extended right upper sleeve lobectomy
Masatsugu Hamaji (Kyoto/JP)

15:00 - 15:15
Case 3: Full metal jacket? A cautionary tale from chest wall reconstruction
Edward Black (Al Ain/UAE)

15:15 - 15:30
Case 4: A nightmare case in thoracoscopic surgery –major bleeding from superior vena cava
Tomohiro Haruki (Tottori/JP)
SCIENTIFIC PROGRAM - SUNDAY 09 JUNE

KEY PAPERS THROUGH THE YEAR
SUNDAY, 09 JUNE 2019  15:00 - 16:00 h · AUDITORIUM
Chairpersons: Gaetano Rocco (New York/US)
              Gonzalo Varela (Salamanca/ES)

15:00 - 15:10  How to select what is read
Gonzalo Varela (Salamanca/ES)

15:10 - 15:30  Top 10 2018: Basic science
Matthew Bott (New York/US)

15:30 - 15:50  Top 10 2018: Clinical papers
Paula Moreno (Cordoba/ES)

15:50 - 16:00  Closing remarks and Editor’s Selection
Gaetano Rocco (New York/US)

ESTS BIOLOGY CLUB
SUNDAY, 09 JUNE 2019  15:30 - 17:30 h · WICKLOW HALL 1
Chairpersons: Laurens J. Ceulemans (Leuven/BE)
             Olivia Lauk (Zurich/CH)
             Brendon Stiles (New York/US)

Award: ESTS Zurich Fellowship Award - a research fellowship award offered to young scientists and clinicians.

15:35 - 15:45  Report of Biology Club Award 2017
Masaki Hashimoto (Nishinomiya/JP)

15:45 - 16:10  CAR-T cell therapy for lung cancer and mediastinum
Prasad Adusumilli (New York/US)

16:10 - 16:35  EVLP as a golden window for lung allograft modulation
Ilker Iskender (Zurich/CH)

16:35 - 16:45  Effects of short periods of cold ischemia in a lung
preservation and transplantation animal model
Marc Boada (Barcelona/ES)

16:45 - 16:55  The effect of oncogene expression in conventional neo-
adjuvant/induction chemotherapy response and down-
staging of patients with non-squamous non-small cell lung
cancer
Emmanouil Ioannis Kapetanakis (Athens/GR)

16:55 - 17:05  Evaluate the roles of potassium KCNQ channels on chronic
obstructive pulmonary disease/emphysema and lung
cancer
Yuan-Ming Tsai (Taipei/TW)
SCIENTIFIC PROGRAM - SUNDAY 09 JUNE

BLACK SWAN OPERATIONS
SUNDAY, 09 JUNE 2019 16:00 - 17:00 h · AUDITORIUM
Chairpersons: Igor Poliakov (Krasnodar/RU)
              Massimo Torre (Milan/IT)

16:00 - 16:15
VAMLA
Michael Mueller (Vienna/AT)

16:15 - 16:30
Diaphragm flap - last stand for empyema patients?
Piotr Yabionski (St Petersburg/RU)

16:30 - 16:45
Positive margin. What should be done?
Tamás F. Molnár (Pecs/HU)

16:45 - 17:00
Restrictive pericarditis, totally calcified. Big challenge for thoracic surgeon
Igor Poliakov (Krasnodar/RU)

JUNIOR POSTER SESSION - See page 52-
SUNDAY, 09 JUNE 2019 17:00 - 18:00 h · POSTER AREA - EXHIBITION AREA
Chairpersons: Lorena Costardi (Torino/IT)
              Bo Laksafoss Holbek (Copenhagen/DK)


VIDEO SESSION I
SUNDAY, 09 JUNE 2019 17:00 - 18:00 h · AUDITORIUM
Chairpersons: Piergiorgio Solli (Bologna/IT)
              Ichiro Yoshino (Chiba/JP)

17:00 - 17:10
V-001 - STERNAL RECONSTRUCTION USING BIOPATIBLE CERAMIC PROSTHESIS
G. Brioude, L. Gust, I. Bouabdallah, D. Troulse, X.B. D’Journo,
P.A. Thomas
Marseille/FR

17:10 - 17:20
V-002 - EMERGNET SURGICAL TREATMENT FOR ACUTE THROMBOSIS CAUSED BY PULMONARY ARTERY KINKING AFTER LEFT UPPER SLEEVE LOBECTOMY
H. Date, D. Nakajima, H. Oda, T.F. Chen-Yoshikawa
Kyoto/JP

17:20 - 17:30
V-003 - EXTRACORPOREAL MEMBRANE OXYGENATION(ECMO)-ASSISTED RIGHT TRACHEAL SLEEVE PNEUMONECTOMY
G. Lo Iacono, D. Galetta, F. Petrella, L. Gherzi, L. Spaggiari
Milan/IT

17:30 - 17:40
V-004 - RIGHT MIDDLE AND LOWER LOBECTOMY FOR LUNG CANCER INFILTRATING INTO THE LEFT ATRIUM THROUGH THE PULMONARY VEIN
S. Tamari, T. Gomyoda, S. Ota, M. Takahashi, T. Sowa, M. Morita,
Y. Terada
Kyoto/JP

17:40 - 17:50
V-005 - CARINAL RESECTION AND DOUBLE BARREL RECONSTRUCTION IN ESOPHAGECTOMY FOR ESOPHAGEAL CARCINOMA WITH BRONCHOESOPHAGEAL FISTULA
Y. Watanabe, K. Takamochi, S. Oh², M. Tsurumaru, K. Suzuki
Bunkyo-Ku/JP

17:50 - 18:00
V-006 - VATS RIGHT S3 SEGMENTECTOMY
T. Ye, Y. Sun, H. Chen
Shanghai/CN
VIDEO SESSION II
SUNDAY, 09 JUNE 2019 17:00 - 18:00 h · THE LIFFEY A
Chairpersons: Mahmoud Ismail (Potsdam/DE)
              Servet Bölükbas (Essen/DE)

Award: ESTS Video Prize - Registration for an ESTS School of Thoracic Surgery event 2019/2020 for the best video presentation in Video I and
Video II sessions.

17:00 - 17:10
V-007 - SUCCESSFUL ENDOSCOPIC CLOSURE OF A BENIGN TRACHEO-ESOPHAGEAL FISTULA IN A HIGH-RISK SURGICAL PATIENT
B. Bibas, H. Minamoto, P. Cardoso, P.M. Pêgo-Fernandes, R. Terra;
São Paulo/BR

17:10 - 17:20
V-008 - BLEEDING CONTROL BY UNIPORTAL VATS DURING LEFT UPPER LOBECTOMY
B. Greif, B. Vidmar
Ljubljana/SI

17:20 - 17:30
V-009 - NOVEL PROCEDURE OF THORACOSCOPIC #4L DISSECTION: #4L POSTERIOR FIRST APPROACH
J. Ichinose¹, M. Mun², Y. Matsuura¹, M. Nakao¹, K. Nakagawa¹,
S. Okumura¹
¹Tokyo/JP, ²Chuoku/JP

17:30 - 17:40
V-010 - SELECTIVE LIGATION OF THE THORACIC DUCT: A NOVEL METHOD TO PREVENT POST-OPERATIVE CHYLOTHORAX IN RAMIE
Y. Lin
Chengdu/CN

17:40 - 17:50
V-011 - ANTERIOR AND POSTERIOR CRICOID SPLIT AND CARTILAGE GRAFT FOR CRICO-TRACHEAL STENOSIS
V. Mundale; H.V. Puri, B. Bin Asaf, A. Kumar
New Delhi/IN

17:50 - 18:00
V-012 - COMPLETE RESECTION OF LOCALLY ADVANCED THYMIC EPITHELIAL TUMOR BY SUBXIPHOID ROBOT-ASSISTED THYMECTOMY
Seoul/KR
SCIENTIFIC PROGRAM - MONDAY 10 JUNE

SUNRISE SEMINAR 1
MONDAY 10 JUNE 2019 07:00 - 07:50 h · WICKLOW HALL 1
Chairperson: Núria Novoa (Salamanca/ES)

Atypical Segmentectomies: individual resection of lower lobe basilar segments
Dominique Gossot (Paris/FR)

SUNRISE SEMINAR 2
MONDAY 10 JUNE 2019 07:00 - 07:50 h · WICKLOW HALL 2A
Chairperson: Hasan Batirel (Istanbul/TK)

Thoracoscopic esophageal mobilisation in prone position
Lieven Depypere (Leuven/BE)

OFFICIAL OPENING
MONDAY 10 JUNE 2019 08:00 - 08:15 h · AUDITORIUM

REPORT OF THE DIRECTOR OF THE ANNUAL MEETING
MONDAY 10 JUNE 2019 08:15 - 08:30 h · AUDITORIUM

BROMPTON SESSION III
MONDAY 10 JUNE 2019 08:30 - 10:30 h · AUDITORIUM
Chairpersons: Gilbert Massard (Strasbourg/Fr)  
Alessandro Brunelli (Leeds/UK)  
Simon Jordan (London/UK)

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

08:30 - 08:50
B-013 - ANALYSIS OF PNEUMOTHORAX RECURRENT RISK FACTORS IN 843 PATIENTS UNDERWENT VATS TREATMENT FOR PRIMARY SPONTANEOUS PNEUMOTHORAX: RESULTS OF A MULTICENTRIC STUDY
1Varese/IT, 2Roma/IT, 3Milan/IT, 4Perugia/IT, 5Torino/IT, 6Negrar/IT
Discussant: Tomasz Grodzki (Szczecin/PL)

08:50 - 09:10
B-014 - A PROSPECTIVE STUDY OF POST-OPERATIVE PAIN AND QUALITY OF LIFE BETWEEN SUBXIPHIOID AND INTERCOSTAL VATS FOR THORACIC SURGERY: MIDTERM RESULT OF NCT03331588
J. Chen
Shanghai/CN
Discussant: Ramon Rami-Porta (Barcelona/ES)

09:10 - 09:30
B-015 - INTERMEDIATE OUTCOMES OF RIGHT-TO-LEFT INVERTED LIVING-DONOR LOBAR LUNG TRANSPLANTATION
T. Chen-Yoshikawa, Y. Yamada, Y. Yutaka, D. Nakajima, A. Ohsumi, M. Hamaji, H. Date
Kyoto/JP
Discussant: Dirk Van Raemdonck (Leuven/BE)

09:30 - 09:50
B-016 - PREOPERATIVE NASAL STAPHYLOCOCCUS AUREUS CARRIERS SCREENING AND TOPICAL DECOLONIZATION TO REDUCE THE INCIDENCE OF POSTOPERATIVE INFECTIONS AFTER LUNG CANCER SURGERY: A PROPENSITY-MATCHED STUDY
1Amiens/FR, 2Marseille/FR
Discussant: Nuria Novoa (Salamanca/ES)
SYMPOSIUM FOR NURSES & ALLIED HEALTH PROFESSIONALS
MONDAY 10 JUNE 2019  09:00 -17:30 h  •  WICKLOW HALL 1
See Page 74

B-017 - PROGNOSTIC FACTORS OF OLIGOMETASTATIC NON-SMALL CELL LUNG CANCER FOLLOWING RADICAL THERAPY: A MULTICENTER-ANALYSIS
M. Patella1, I. Opitz1, L. Payrand2, J.Y. Perentes3, T. Krueger4, R. Inderbitzi2, H. Gelpke5, S. Schulte2, M. Diezi1, M. Gonzalez2, W. Weder1
1Zürich/CH, 2Lausanne/CH, 3Sion/CH, 4Bellinzona/CH, 5Winterthur/CH
Discussant: David R Jones (New York/US)

10:10 - 10:30
B-018 - COMPUTED TOMOGRAPHY-BASED PREDICTION OF SPREAD THROUGH AIR SPACES IN PATIENTS WITH STAGE I LUNG ADENOCARCINOMA FROM RADIOMICS FEATURES
D. Xie, Y. She, G. Jiang, C. Chen
Shanghai/CN
Discussant: Prasad Adusumilli  (New York/US)

INVITED LECTURE
MONDAY 10 JUNE 2019  11:00 -11:30 h  •  AUDITORIUM
Kristian Bartholin (Strasbourg/Fr)
Challenges of Contemporary Terrorism

ESTS VOGT-MOYKOPF LECTURE
MONDAY 10 JUNE 2019  11:30 -11:50 h  •  AUDITORIUM
Chairperson: Gilbert Massard (Strasbourg/FR)
11:30 - 11:50
O-019 - PARSIMONIOUS EUROLUNG RISK MODEL TO PREDICT MORTALITY FOLLOWING ANATOMIC LUNG RESECTIONS: AN UPDATED ANALYSIS FROM THE EUROPEAN SOCIETY OF THORACIC SURGEONS DATABASE
A. Brunelli1, H. Decaluwe2, Z. Szanto3, S. Cicconi4, P.E. Falcoz5; 1Leeds/UK, 2Leuven/BE, 3Pecs/HU, 4Liverpool/UK, 5Strasbourg/FR
Discussant: Enrico Ruffini (Torino/IT)

INTRODUCTION TO THE PRESIDENT
MONDAY 10 JUNE 2019  11:50 -12:00 h  •  AUDITORIUM
Enrico Ruffini (Torino/IT)
President Elect

PRESIDENTIAL ADDRESS
MONDAY 10 JUNE 2019  12:00 -12:30 h  •  AUDITORIUM
Gilbert Massard (Strasbourg/FR)
ESTS President
War and Peace
SCIENTIFIC PROGRAM - MONDAY 10 JUNE

LUNCH SYMPOSIUM
MONDAY 10 JUNE 2019  12:30 -13:30 h · WICKLOW HALL 2A

LUNCH SYMPOSIUM
MONDAY 10 JUNE 2019  12:30 -13:30 h · WICKLOW HALL 2B

POSTERS SESSION IV - DISCUSSION
MONDAY 10 JUNE 2019  12:30 -13:30 h · EXHIBITION AREA

Award: ESTS – Greek Pioneers Prize – 500 EUR
This prize is offered for the best poster presentation

P-012 - P-027 - See page 53-
Chairperson: Davide Patrini (London/UK)
Topic: Pulmonary Neoplastic

P-028 - P-043- See page 54-
Chairperson: Benedetta Bedetti (Bonn/DE)
Topic: Pulmonary Neoplastic

P-044 - P-059 - See page 56-
Chairperson: Marco Bitenc (Ljubljana/SI)
Topic: Pulmonary Neoplastic

P-060 - P-075 - See page 57-
Chairperson: Michael Schweigert (Dresden/DE)
Topic: Pulmonary Neoplastic

P-076 - P-091 - See page 59-
Chairperson: Toyofumi Chen-Yoshikawa (Kyoto/JP)
Topic: Pulmonary Neoplastic

P-092 - P-107 - See page 60-
Chairperson: Georges Decker (Luxembourg/LU)
Topic: Pulmonary Neoplastic

P-108 - P-122 - See page 61-
Chairperson: Donna Eaton (Dublin/IE)
Topic: Pulmonary Neoplastic

P-123 - P-139 - See page 63-
Chairperson: Atilla Enyedi (Debrecen/HU)
Topic: Pulmonary Non-neoplastic

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

Sessions in Co-operation with other Societies
MONDAY 10 JUNE 2019  13:30 -14:30 h · AUDITORIUM

Chairpersons: Walter Klepetko (Vienna/AT)
Ricardo Terra (Sao Paulo/BR)

Management of tracheoesophageal fistulas

13:30 - 13:45
Benign tracheoesophageal fistula
Konrad Hoetzenecker (Vienna/AT)

13:45 - 14:00
Tracheoesophageal fistula
Sandu Kishore (Lausanne/CH)

14:00 - 14:15
Bronchoesophageal fistulas
Andrea Dell’Amore (Bologna/IT)

14:15 - 14:30
Tracheoesophageal fistula after esophagectomy
Stephen Cassivi (Rochester/US)
PULMONARY NON-NEOPLASTIC SESSION V
MONDAY 10 JUNE 2019  13:30 -14:30 h · THE LIFFEY A
Chairpersons:  Semih Halezeroglu (Istanbul/TK)
               Willem-Hans Steup (The Hague/NL)

13:30 - 13:40
0-020 - EVALUATION OF CARDIAC CHANGES IN EMPHYSEMATOUS
PATIENTS UNDERGOING BRONCOSCOPIC LUNG VOLUME
REDUCTION WITH ONE-WAY VALVES
A. Fiorelli1, R. Cascone1, G. Natale1, E. De Ruberto1, C. Freda1, V. Peritone2, C. Vanni2, C. Poggi2, F. Venuta2, E.A. Rendina2, M. Santini2, C. Andreetti2
1Naples/IT, 2Roma/IT

13:40 - 13:50
0-021 - LONG TERM SURGICAL TREATMENT RESULTS OF MULTY
AND EXTENSIVE DRUG RESISTANT PULMONARY TUBERCULOSIS/
DEPENDING ON RADICAL SURGERY DEGREE
D. Giller, B. Giller, I. Enilenis, O. Kesaev, V. Koroew, G. Shcherbakova;
Moscow/RU

13:50 - 14:00
0-022 - EARLY POSTOPERATIVE DAY 0 CHEST TUBE REMOVAL
PROTOCOL USING DIGITAL DRAINAGE DEVICE AFTER
THORACOSCOPIC MAJOR PULMONARY RESECTION
K. Pfeuty
Saint-Brieuc/FR

14:00 - 14:10
0-023 - MACHINE LEARNING ALGORITHM IMPLEMENTATION
ON THE ESTS DATABASE TO PREDICT MORTALITY IN PATIENTS
SUBMITTED TO LOBECTOMY AND SEGMENTECTOMY
M. Salati1, A. Brunelli2, S. Moccia1, Z. Szanto3, H. Decaluwe4, E. Ruffini5, M. Scarch6, W.H. Steup7, L. migliorelli8, R. palloni1, E. Frontoni1, P.E. Falcoz8
1Ancona/IT, 2Leeds/UK, 3Pecs/HU, 4Leuven/BE, 5Torino/IT, 6Monza/IT,
7The Hague/NL, 8Strasbourg/FR

14:10 - 14:20
0-024 - THE ROLE OF 3D RECONSTRUCTIONS IN UNDERSTANDING
THE INTERSEGMENTAL PLANE, AN ANATOMICAL STUDY OF
SEGMENT 6.
M. Sarsam1, M. Glorion2, J. De Wolf3, F. Cassiano2, P. Puyo2, E. Sage2, A. Chapellier2
1Rouen/FR, 2Suresnes/FR

14:20 - 14:30
0-025 - DIFFERENCES IN OUTCOME AFTER LOBECTOMY FOR
BENIGN AND MALIGNANT DISEASES USING THE BRAZILIAN
SOCIETY OF THORACIC SURGEONS DATABASE (BSTS)
M. Soares1, M.T. Tsukazan2, L. Rodrigues3, G. Fortunato4, A. Dela Vega1, S. Carmago2, H. Oliveira3, S.T. Pereira4, R.M. Terra1
1São Paulo/BR, 2Porto Alegre/BR, 3Belo Horizonte/BR, 4Salvador/BR,
5Brasilia/BR

ROBOTIC SURGERY
MONDAY 10 JUNE 2019  14:30 -15:30 h · AUDITORIUM
Chairpersons:  Jean-Marc Baste (Rouen/FR)
               Giulia Veronesi (Milan/IT)

14:30 - 14:45
Future perspective in robotic surgery including new devices
and economical implications
Bernard Park (New York/US)

14:45 - 14:57
Robotic surgery for locally advanced lung cancer: technical
aspects and review of the literature
Giulia Veronesi (Milan/IT)

15:00 - 15:12
Robotic surgery for lung carcinoma: from simple to complex
cases
Hecheng Li (Shanghai/CN)

15:15 - 15:27
Safety in Robotic Surgery: team training and simulation
Jean-Marc Baste (Rouen/FR)
14:30 - 14:40
0-026 - VALIDATION OF THE AGGREGATE RISK SCORE PREDICTING 90-DAY MORTALITY AFTER VIDEO-ASSISTED THORACOSCOPIC LOBECTOMY BY THE ITALIAN VATS GROUP DATABASE
A. Imperatori1, M. Cattoni1, L. Bertolaccini2, M. Nosotti2, L. Rosso2, L. Caginir1, J. Vannucci1, A. Brunelli2, R. Crisci1, N. Rotolo1
1Varese/IT, 2Bologna/IT

14:40 - 14:50
0-027 - DEFINING THE EFFECT OF LEARNING CURVE FOR ROBOT-ASSISTED MINIMALLY INVASIVE ESOPHAGECTOMY (RAMIE) ON PERIOPERATIVE OUTCOMES AND OVERALL SURVIVAL.
Z. Li, Y. Yang, X. Zhang, B. Li, X. Guo, R. Hua, Y. Yang, Y. Sun, T. Mao
Shanghai/CN

14:50 - 15:00
0-028 - THREE DIMENSIONAL PRINTING IN THE PREOPERATIVE PLANNING OF THORACOSCOPIC PULMONARY SEGMENTECTOMY
X. Liu
Qingdao/CN

15:00 - 15:10
0-029 - A SIMPLE “PASSIVE AWARENESS” INTERVENTION TO DECREASE THE COST OF THORACOSCOPIC LOBECTOMY
R. Liu, A. Wess, B. Kidane, S. Srinathan, L. Tan, G. Buduhan
Winnipeg/CA

15:10 - 15:20
0-030 - IS SUBXIPID APPROACH REALLY SUPERIOR TO LATERAL INTERCostAL APPROACH FOR REDUCING POSTOPERATIVE PAIN AFTER ANTERIOR MEDIASTINAL MASS RESECTION? SINGLE CENTER ANALYSIS CONDUCTED BY PROPENSITY SCORE MATCHING.
F. Long, H. Wu
Shenzhen/CN

15:20 - 15:30
0-031 - COMPARISON OF THE QUALITY OF LIFE AFTER UNIPORTAL VERSUS CONVENTIONAL 3-PORT VIDEO-ASSISTED THORACOSCOPIC SURGERY: A RANDOMIZED CONTROL STUDY
Y. Sano1, M. Okazaki2, H. Shigematsu1, N. Yamashita2, R. Sugimoto1, N. Sakao1, Y. Mori1, T. Hayashi1, S. Yukumi1, H. Izutani1
1Toon City/JP, 2Okayama/JP

15:30 - 15:40
0-032 - THE EVALUATION OF RESIDUAL LOBE FUNCTION AFTER THORACOSCOPIC SEGMENTECTOMY
S. Tane, W. Nishio, H. Ogawa, Y. Kitamura, M. Yoshimura
Akashi/JP

15:40 - 15:50
0-033 - A COMPARATIVE COST ANALYSIS STUDY OF ROBOTIC AND VIDEO-ASSISTED LOBECTOMY: RESULTS OF RANDOMIZED CONTROLLED TRIAL
R.M. Terra1, J. Trindade1, P.H.X.N. Araujo1, L.L. Lauricella1, E.P. Zaidan1, P.M. Pêgo-Fernandes1
São Paulo/BR

15:50 - 16:00
0-034 - THORACOSCOPIC RESECTIONS WERE PERFORMED IN BETTER BUT OLDER PATIENTS: A LONGITUDINAL AND PROPENSITY MATCHED ANALYSIS FROM THE ESTS DATABASE
A. Turna1, M. Ağkoç1, D. GOSSOT3, P.E. Falcoz3, R. Rami-Porta4, A. Brunelli1
1İstanbul/TR, 2Paris/FR, 3Strasbourg/FR, 4Barcelona/ES, 5Leeds/UK
SCIENTIFIC PROGRAM - MONDAY 10 JUNE

LUNG SURGERY OF THE FUTURE IN CO-OPERATION WITH INTERNATIONAL SOCIETY FOR MINIMALLY INVASIVE CARDIOTHORACIC SURGERY (ISMICS)
MONDAY 10 JUNE 2019  16:00 - 17:00 h · AUDITORIUM
Chairpersons:  Chrishantha Hiran Fernando (Falls Church/US)
               Franca Melfi (Pisa/IT)

16:00 - 16:15
Robotic bronchoscopic navigation and ablation of peripheral lung cancer
Amit Mahajan (Falls Church/US)

16:15 - 16:30
Single port robot for thoracic surgery
Diego González Rivas (La Coruña/ES)

16:30 - 16:45
Robotic segmentectomy: technique and results
Bernard Park (New York/US)

16:45 - 17:00
Robotic lobectomy: how to teach thoracic residents
Ricardo Mingarini Terra (Sao Paulo/BR)
YOUNG INVESTIGATORS AWARD SESSION VII
MONDAY 10 JUNE 2019  16:30 -18:00 h · THE LIFFEY A

Chairpersons: Hasan Batirel (Istanbul/TR)
Samina Park (Seoul/KR)

Reviewers: Hasan Batirel (Istanbul/TR)
Samina Park (Seoul/KR)
Francesco Guerrera (Torino/IT)

16:30 - 16:41

0-035 - THE SPATIAL ARCHITECTURE AND DENSITY OF TUMOR INFILTRATING LYMPHOCYTES REPRESENT A PROGNOSTIC PARAMETER IN SURGICALLY RESECTED NSCLC
Parma/IT
Discussant: Masayuki Chida (Shimotsuga/JP)

16:41 - 16:52

0-036 - THE ROLE OF SURGERY FOR STAGE I NON-SMALL CELL LUNG CANCER IN OCTOGENARIANS IN THE ERA OF STEREOTACTIC BODY RADIOTHERAPY IN THE NETHERLANDS
J. de Ruiter1, D. Heineman1, J. Daniels1, J. van Diessen1, R. Damhuis2, K. Hartemink1
1Amsterdam/NL, 2Utrecht/NL
Discussant: Timothy Young (Shanghai/CN)

16:52 - 17:03

0-037 - RELATIONSHIP AMONG RADILOGICAL MEASUREMENTS OF ANTERIOR MEDIASTINAL FAT AND OUTCOMES OF LUNG TRANSPLANTATION IN FIBROTIC PATIENTS
F.J. Gonzalez, P. Moreno, A. Alvarez, A. Muñoz-Fos, D. Poveda, C. Baamonde, F.J. Algar, F. Cerezo, A. Salvatierra
Cordoba/ES
Discussant: Isabelle Opitz (Zurich/CH)

17:03 - 17:14

0-038 - VARIATIONS AND SURGICAL MANAGEMENTS OF PULMONARY VEIN IN LIVING-DONOR LOBECTOMY
H. Kayawake, T. Chen-Yoshikawa, S. Tanaka, Y. Yamada, Y. Yutaka, D. Nakajima, A. Ohsumi, M. Hamaji, H. Date
Kyoto/JP
Discussant: Clemens Aigner (Essen/DE)

17:14 - 17:25

0-039 - ASSOCIATION BETWEEN GENETIC PROFILE AND LYMPH NODE METASTASIS IN NSCLC: A LARGE SAMPLE ANALYSIS
W. Liang1, Z. Liu1, Z. Wang2, H. Yang2, J. He1
1Guangzhou/CN, 2Beijing/CN
Discussant: Valerie Rusch (New York/US)

17:25 - 17:36

0-040 - OLMESARTAN ATTENUATES ONE LUNG VENTILATION INDUCED LUNG INJURY IN RATS VIA INHIBITING OXIDATIVE STRESS AND INFLAMMATION
Guangdong/CN
Discussant: Ilhan Inci (Zurich/CH)

17:36 - 17:47

0-041 - TAMMENAGI’S RISK PREDICTION MODEL IS SUPERIOR OVER STANDARD SELECTION CRITERIA FOR LUNG CANCER SCREENING IN THE EUROPEAN SETTING: A MACROSCALE SIMULATION ON LARGE LUNG CANCER SCREENING COHORT IN GDANSK, POLAND
M. Ostrowski1, T. Marjanski1, R. Dziedzic1, S. Kocot1, A. Mosiewicz1, W. Rzyman1
1Gdansk/PL, 2Gliwice/PL
Discussant: Mario Nosotti (Milan/IT)

17:47 - 17:58

0-042 - ROOM AIR TOLERANCE SCALE AS PREDICTOR OF POSTOPERATIVE CARDIO-PULMONARY COMPLICATIONS AFTER LUNG SURGERY
1Madrid/ES, 2Boston/US
Discussant: Mario Nosotti (Milan/IT)
SCIENTIFIC PROGRAM - MONDAY 10 JUNE

WOMEN IN THORACIC SURGERY
IN COLLABORATION WITH WTS
MONDAY 10 JUNE 2019  17:00 -18:00 h · AUDITORIUM
Chairpersons: Cecilia Pompili (Leeds/UK)
              Leah M. Backhus (Stanford/US)

- Global perspectives from Women in Cardiothoracic Surgery
  17:00 - 17:10

- Perspectives from women in cardiothoracic surgery: US perspective
  Janani Reisenauer (Rochester/US)

- Perspectives from women in cardiothoracic surgery: European perspective
  Cecilia Pompili (Leeds/UK)

- Perspectives from women in cardiothoracic surgery: Asian perspective
  Aki Kobayashi (Tokyo/JP)

17:30 - 17:40
From female surgical resident to academic leaders: challenges and pathways forward
Gunda Leschber (Berlin/DE)

17:40 - 17:50
Unconscious bias in cardiothoracic surgery
Leah M. Backhus (Stanford/US)

ESOPHAGEAL SESSION
MONDAY 10 JUNE 2019  17:00 -18:00 h · WICKLOW HALL 2A
Chairpersons: Hasan Batirel (Istanbul/TK)
               Xavier Benoit D’Journo (Marseille/FR)

- Evolution in the standardized reporting of morbidity and quality measures associated with esophagectomy in the era of big data and online datasets
  Donald Low (Seattle/US)

- Minimally invasive esophagectomy after neoadjuvant treatment
  Lieven Depypere (Leuven/BE)

17:30 - 17:45
Extent of lymphadenectomy after neoadjuvant treatment for esophageal cancer
Wayne Hofstetter (Houston/US)

17:45 - 18:00
Salvage esophagectomy after failed definitive chemotherapy
Xavier Benoit D’Journo (Marseille/FR)

APÉRITIF SYMPOSIUM
MONDAY 10 JUNE 2019  18:00 -19:00 h · WICKLOW HALL 2B
SCIENTIFIC PROGRAM - TUESDAY 11 JUNE

SUNRISE SEMINAR 3
TUESDAY 11 JUNE 2019 07:00 - 07:50 h · WICKLOW HALL 1
Chairperson: Hasan Batirel (Istanbul/TK)

Robotic thymectomy and thymomectomy
Alper Toker (Istanbul/TK)

SUNRISE SEMINAR 4
TUESDAY 11 JUNE 2019 07:00 - 07:50 h · WICKLOW HALL 2A
Chairperson: Núria Novoa (Salamanca/ES)

Complex sleeve resections for lung cancer
Bedrettin Yildizeli (Istanbul/TK)

INNOVATIVE/EXPERIMENTAL - SESSION VIII
TUESDAY 11 JUNE 2019 08:00 - 09:00 h · AUDITORIUM
Chairpersons: Herbert Decaluwé (Leuven/BE)
Vladimir Kuzmichev (Moscow/RU)

08:00 - 08:10
0-043 - LOW DOSE PHOTODYNAMIC THERAPY PROMOTES A CYTOTOXIC IMMUNOLOGICAL RESPONSE IN A MURINE MODEL OF MALIGNANT PLEURAL MESOTHELIOMA
S. Cavin, J. Faget, A. Gkasti, Y. Hao, T. Krueger, M. Gonzalez, E. Meylan, J. Perentes
Lausanne/CH

Award: ESTS - Grillo Award (1000 euros) for best Innovative/Experimental abstract

08:30 - 08:40
0-046 - TRANSPLANTATION OF BIOENGINEERED LUNGS CREATED FROM RECIPIENT-DERIVED CELLS IN A LARGE-ANIMAL MODEL
M. Yanagiya, K. Kitano, T. Yotsumoto, K. Nagayama, M. Sato, J. Nakajima
Tokyo/JP

08:40 - 08:50
0-047 - PROGNOSTIC SUPERIORITY OF VIRTUAL-ASSISTED LUNG MAPPING TO CT-GUIDED PERCUTANEOUS MARKING IN SURGERY OF PULMONARY TUMOURS.
Tokyo/JP

08:50 - 09:00
0-048 - DOES POST-OPERATIVE PNEUMONIA IMPACT LONG TERM SURVIVAL OF PATIENTS HAVING LOBECTOMY FOR NON-SMALL CELL LUNG CANCER?
Buffalo/US
ESOPHAGUS/MEDIASTINUM SESSION IX
TUESDAY 11 JUNE 2019 08:00 - 09:00 h · AUDITORIUM
Chairpersons: Jaroslaw Kuzdzal (Krakow/PL)
               Meinoshin Okumura (Osaka/JP)

09:00 - 09:10
0-049 - ANALYSIS OF CIRCULATING TUMOR DNA AND CLINICAL CORRELATES IN PATIENTS WITH ESOPHAGEAL SQUAMOUS CELL CARCINOMA
X. Chen, J. Yin, Y. Shen, L. Tan
Shanghai/CN

09:10 - 09:20
0-050 - MORTALITY FROM EXTRATHYMIC MALIGNANCIES AFTER RESECTION OF THYMIC EPITHELIAL TUMORS: CUMULATIVE INCIDENCES AND RISK FACTORS
M. Hamaji1, T. Sozu2, R. Machida2, S. Watanabe3, K. Yoshida4, S. Toyooka4, H. Niwa4, K. Kondo4, H. Horio5, M. Okumura6, H. Date1
1Kyoto/JP, 2Tokyo/JP, 3Matsumoto/JP, 4Okayama/JP, 5Hamamatsu/JP, 6Toyokuma/JP

09:20 - 09:30
0-051 - IDENTIFICATION OF A TISSUE-BASED DNA MUTATION FOR RESPONSE TO NEOADJUVANT CHEMORADIOTHERAPY IN ESOPHAGEAL SQUAMOUS CELL CARCINOMA
W. He, L. Peng, Y. Han
Chengdu/CN

09:30 - 09:40
0-052 - NON-INTUBATED SPONTANEOUS VENTILATION VIDEO-ASSISTED THORACOSCOPIC SURGERY OFFERS BETTER SHORT TERM OUTCOMES FOR MEDIASTINAL TUMOR
H. Liang, S. Wu, W. Liang, J. He
Guangzhou/CN

09:40 - 09:50
0-053 - THYMECTOMY IN OCULAR MYASTHENIA GRAVIS BEFORE GENERALIZATION RESULTS IN HIGHER COMPLETE STABLE REMISSION
Berlin/DE

09:50 - 10:00
0-054 - ON THE SEQUENCE GASTRO-ESOPHAGEAL REFLUX/ESOPHAGITIS, BARRETT’S ESOPHAGUS, DYSPLASIA, ADENOCARCINOMA AFTER HELLER MYOTOMY FOR THE SURGICAL THERAPY OF ESOPHAGEAL ACHALASIA
V. Tassi1, M. Lugaresi2, B. Mattioli3, N. Daddi1, S. Mattioli2
1Bologna/IT, 2Ravenna/IT
CHEST WALL WORKING GROUP  
TUESDAY 11 JUNE 2019 09:00 - 10:30 h · THE LIFFEY A  
Organisers: Jose Ribas de Campos (Sao Paulo/BR)  
Marco Scarci (Monza/IT)  

09:00 - 09:12  
The perfect strategy  
Manjit Bains (New York/US)  

09:12 - 09:24  
The perfect materials  
Marcelo F. Jimenez (Madrid/ES)  

09:24 - 09:30  
Discussion  

09:30 - 09:42  
What we know about cardiac and pulmonary function after the correction of Pectus Excavatum?  
Hans Pilegaard (Aarhus/DK)  

09:42 - 09:54  
Minimally invasive surgery for Pectus Carinatum  
Mustafa Yuksel (Istanbul/TK)  

09:54 - 10:00  
Discussion  

10:00 - 10:12  
Blunt Chest Wall Trauma - definitions and patterns of injury  
John Edwards (Sheffield/UK)  

10:12 - 10:24  
When is the optimal time to perform rib fixation?  
Fredric Pieracci (Denver/US)  

10:24-10:30  
Discussion  

PULMONARY NEOPLASTIC I - SESSION X  
TUESDAY 11 JUNE 2019 10:30 - 11:30 h · AUDITORIUM  
Chairpersons  
Kenji Suzuki (Tokyo/JP)  
Stephen Cassivi (Rochester/US)  

10:30 - 10:40  
O-055 - NEOADJUVANT CHEMOTHERAPY IS NOT ASSOCIATED WITH INCREASED PERIOPERATIVE RISK AFTER LOBECTOMY OR PNEUMONECTOMY: A CASE-MATCHED ANALYSIS FROM THE ESTS DATABASE  
A. Brunelli1, G. Rocco2, Z. Szanto3, P.A. Thomas4, P.E. Falcoz5  
1Leeds/UK, 2New York/US, 3Pecs/HU, 4Marseille/FR, 5Strasbourg/FR  

10:40 - 10:50  
O-056 - STAGE IIIA SHOULD BE DIVIDED IN TWO DIFFERENT SUBGROUPS ACCORDING TO T AND N STATUS IN PATIENTS WITH RESECTED LUNG CANCER: VALIDATION WITH ANOTHER CENTER DATABASE  
N. Citak1, L. Guglielmetti2, Y. Aksoy1, O. Isgörücü1, M. Metin1, A. Sayar1, I. Opitz2, D. Schneiter2, W. Weder2, I. Inci2  
1Istanbul/TR, 2Zürich/CH  

10:50 - 11:00  
O-057 - IDENTIFYING OPTIMAL CANDIDATES FOR PRIMARY TUMOR RESECTION AMONG METASTATIC NON-SMALL CELL LUNG CANCER PATIENTS: A POPULATION-BASED PREDICTIVE MODEL  
H. Liang, Z. Liu, W. Liang, J. He  
Guangzhou/CN  

11:00 - 11:10  
O-058 - TEXTBOOK OUTCOME AS A COMPOSITE OUTCOME MEASURE IN NON-SMALL CELL LUNG CANCER SURGERY.  
1Amsterdam/NL, 2Hoorn/NL, 3Leiden/NL, 4The Hague/NL, 5Nijmegen/NL, 6Alkmaar/NL
SCIENTIFIC PROGRAM - TUESDAY 11 JUNE

11:10 - 11:20
O-059 - ANATOMICAL SUBLOBAR RESECTION VERSUS PULMONARY LOBECTOMY FOR CLINICAL STAGE I NON-SMALL-CELL LUNG CANCER: PATIENTS SELECTION AND OUTCOME FROM THE EUROPEAN SOCIETY OF THORACIC SURGEONS DATABASE ANALYSIS
D. Tosi¹, A. Brunelli¹, H. Decaluwe², E. Ruffini³, M. Scarchia³, L. Rosso¹, A. Palleschi¹, A. Mazzucco¹, G. Bonitta¹, M. Montoli¹, M. Nosotti¹, P.E. Falcoz⁶
¹Milan/IT, ²Leeds/UK, ³Leuven/BE, ⁴Torino/IT, ⁵Monza/IT, ⁶Strasbourg/FR

11:20 - 11:30
O-060 - LONG TERM SURVIVAL AFTER NON-SMALL CELL LUNG CANCER RESECTION: IMPACT OF SURGICAL APPROACH ON NODAL UPSTAGING.
M. Hennon, A. Groman, T. Demmy, S. Yendamuri
Buffalo/US

LUNG TRANSPLANTATION
CURRENT DEBATES IN LUNG TRANSPLANTATION
TUESDAY 11 JUNE 2019 11:00 - 12:30 h • THE LIFFEY A
Chairpersons: Clemens Aigner (Essen/DE)
Lorenzo Rosso (Milan/IT)

11:00 - 11:20
EVLP - Current standards and future applications
Marcelo Cypel (Toronto/CA)

11:20 - 11:35
Big is beautiful
Konrad Hoetzenecker (Vienna/AT)

11:35 - 11:50
It's not about size - it's about dedication
Alessandro Bertani (Palermo/IT)

11:55 - 12:10
Controlled DCD
Ilhan Inci (Zurich/CH)

12:10 - 12:25
Uncontrolled DCD - still an issue?
Andrés Varela de Ugarte (Madrid/ES)
PULMONARY NEOPLASTIC II - SESSION XI
TUESDAY 11 JUNE 2019 11:30 - 12:30 h · AUDITORIUM

Chairpersons: Francoise Le Pimpec Barthes (Paris/FR), Fernando Vannucci (Rio de Janeiro/BR)

11:30 - 11:40
0-061 - IMPROVED PREDICTION OF MEDIASTINAL NODAL INVOLVEMENT IN LUNG CANCER PATIENTS BY APPLICATION OF ARTIFICIAL NEURAL NETWORKS
M. Ağkoç¹, A. Turna¹, T. Malas², I. Sarbay¹, H.V. Kara¹, K. Kaynak¹
¹Istanbul/TR, ²Ankara/TR

11:40 - 11:50
0-062 - NEoadjuvant CHEMO(RADIO)THERAPY AND RESECTION FOR STAGE IIIA NSCLC IN THE NETHERLAND
P. Joosten¹, R. Damhuis², K.J. Hartemink¹
¹Amsterdam/NL, ²Utrecht/NL

11:50 - 12:00
0-063 - OUTCOMES OF PULMONARY METASTASECTOMY FOR HEAD AND NECK SQUAMOUS CARCINOMA: A JAPANESE MULTI-INSTITUTIONAL RETROSPECTIVE STUDY
S. Koyama¹, H. Kuroda¹, Y. Sakao¹, Y. Yamauchi², J. Nakajima², K. Funai³, I. Yoshino³, N. Ikeda³, M. Kawamura³, M. Mun³
¹Nagoya/JP, ²Tokyo/JP, ³Hamamatsu/JP, ⁴Chiba-Shi/JP

12:00 - 12:10
0-064 - DIAGNOSIS AND MANAGEMENT OF LUNG NEUROENDOCRINE TUMORS USING A NON-INVASIVE GENE BASED LIQUID BIOPSY.
P.L. Filosso¹, I. Modlin², A. Malczewska³, K. Oberg³, L. Bode³, M. Papotti¹, L. Delsedime¹, S. Matar⁴, H. Aslanian⁵, A. Lewczuk⁶, A. Kolasińska-Ćwikla¹, M. Roffinella¹, E.C. Fontana¹, F. Guerrera¹, E. Ruffini¹, B. Kos-Kudła¹, E. Arvat¹, L. Annaratone¹, J. Cwikla¹⁹, M. Kidd⁴²
¹Torino/IT, ²New Haven/US, ³Katowice/PL, ²Uppsala, SE, ⁴New York/US, ⁵Branford/US, ⁶Gdansk/PL, ⁷Warsaw/PL, ⁸Torino/IT, ⁹Olsztyn/PL

12:10 - 12:20
0-065 - RELATIONSHIP BETWEEN POST-OPERATIVE COMPLICATIONS AND DEATH IN THORACIC SURGERY: FINDINGS FROM AN INTERNATIONAL PROSPECTIVE COHORT STUDY
S. Srinathan¹, B. Kidane¹, D. Heel-Ansdell², Y. Shargali², C. Finlay³, P.J. Devereaux³
¹Winnipeg/CA, ²Hamilton/CA, ³Hamilton/CA

12:20 - 12:30
0-066 - COMPLETENESS OF LYMPH NODE DISSECTION IN PATIENTS UNDERGOING ROBOTIC-, (UNIPORTAL) VIDEO ASSISTED- OR OPEN SURGERY FOR NON-SMALL CELL LUNG CANCER
L. van der Woude
Nijmegen/NL

EXTRAORDINARY GUEST LECTURE
TUESDAY 11 JUNE 2019 12:30 - 13:00 h · AUDITORIUM

David Crosby (Kingscourt/IE)

In February 2016 David Crosby received a bilateral lung transplant. David was 40 at the time with three young children. His family were all too familiar with pulmonary problems as David, although the eldest of five, had only one surviving sister. Three of David’s siblings had died before the age of 11. These were all due to respiratory problems, the nature of which was poorly understood at the time.

Award: ESTS - American Association for Thoracic Surgery (AATS) Graham Foundation Excellence Award - 2000 euros for the best presentation in session Pulmonary Neoplastic I and Pulmonary Neoplastic II

In 2015 his life changed as his lungs began to fail. Transplantation was his only survival hope. His transplant was a success and he set about immediately getting back to his life’s rhythm. On November 5th 2017 David achieved his ambition to run the New York marathon. He succeeded and became the third lung transplant recipient ever to complete a marathon.
SCIENTIFIC PROGRAM - TUESDAY 11 JUNE

JUNIOR LUNCH SYMPOSIUM:
EXPERTS REVEALING THE SECRETS
OF THORACIC SURGERY
TUESDAY 11 JUNE 2019 13:00 - 14:00 H · WICKLOW HALL
Chairpersons: Francesco Guerrera (Torino/IT)
Olivia Lauk (Zurich/CH)

13:00 - 14:00
Table 1: Early stage lung cancer
Speaker - Rene Horsleben Petersen (Copenhagen/DK)
Co-ordinator - Arianna Rimessi (Milan/IT)

13:00 - 14:00
Table 2: Pectus excavatum
Speaker - Kostas Papagiannopoulos (Leeds/UK)
Co-ordinator - Elisa Scarneccia (Perugia/IT)

13:00 - 14:00
Table 3: Invasive mediastinal staging
Speaker - Marcin Zelinski (Zakopane/PL)
Co-ordinator - Masaki Hashimoto (Nishinomiya/JP)

13:00 - 14:00
Table 4: Metastasectomy
Speaker - Servet Bölükbas (Essen/DE)
Co-ordinator - Johannes C. Haag (Heidelberg/DE)

13:00 - 14:00
Table 5: Non-intubated video assisted thoracic surgery
Speaker - Didier Schneiter (Zurich/CH)
Co-ordinator - Sezer Aslan (Istanbul/TK)

Award: ESTS – Greek Pioneers Prize – 500 EUR
This prize is offered for the best poster presentation

LUNCH SYMPOSIUM
TUESDAY 11 JUNE 2019 13:00 - 14:00 h · WICKLOW HALL 2A / WICKLOW HALL 2B

POSTERS SESSION XII
TUESDAY 11 JUNE 2019 13:00 - 14:00 H · EXHIBITION AREA

P-140 - P-156 - See page 65-
Chairperson: Jozsef Furak (Szeged/HU)
Topics: Airway
Chest Wall

P-157 - P-171 - See page 66-
Chairperson: Athanasios Kleontas (Thessaloniki/GR)
Topic: Esophagus

P-172 - P-187 - See page 68-
Chairperson: Lidia Libretti (Monza/IT)
Topics: Esophagus
Experimental / Biology

P-188 - P-203 - See page 69-
Chairperson: Fabrizio Minervini (Luzern/Ch)
Topics: Experimental / Biology
Innovative Work/New Techniques

P-204 - P-219 - See page 71-
Chairperson: Peter Juhos (Bratislava/SK)
Topic: Innovative Work/New Techniques

P-220 - P-235 - See page 72-
Chairperson: Apostolos Agrafiotis (Brussels/BE)
Topic: Innovative Work/New Techniques

P-236 - P-252 - See page 74-
Chairperson: Katrin Welcker (Monchengladbach/DE)
Topics: Innovative Work/New Techniques
Mediastinum
Pleura

P-253 - P-266 - See page 75-
Chairperson: Katarzyna Zanowska (Krakow/PL)
Topics: Pleura
Transplantation
CHEST WALL/DIAPHRAGM/PLEURA - SESSION XIII  
TUESDAY 11 JUNE 2019 14:00 - 15:00 H · AUDITORIUM  
Chairpersons: Kostas Papagiannopoulos (Leeds/UK)  
Korkut Bostancı (Istanbul/TK)

14:00 - 14:10  
0-067 - MINIMALLY INVASIVE SURGICAL APPROACH FOR DIAPHRAGMATIC EVENTRATION: ANALYSIS OF 68 CASES  
I. Yalcinkaya, C. Atinkaya Baytemir, Ş. Ürek, D. Gürer, S. Kahraman, O. Derdiyok  
Istanbul/TR

14:10 - 14:20  
0-068 - SURGICAL RIB STABILIZATION AFTER BLUNT CHEST TRAUMA USING A NEW EASY-TO-APPLY SCREWLESS OSTEOSYNTHESIS MATERIAL  
A. Xhambazi, A. Hojski, M. Wiese, D. Subotic, W. Moersig, D. Lardinois  
Basel/CH

INTERESTING CASES - SESSION XIV  
TUESDAY 11 JUNE 2019 14:00 - 15:00 H · THE LIFFEY A  
Chairpersons: Anna Frick (Leuven/BE)  
Oleg Pikín (Moscow/RU)

14:00 - 14:10  
0-085 - AN UNEXPECTED COMPLICATION OF CARCINOID TUMOR  
A. Akopov, A. Rusanov, A. Romanikhin, N. Kazakov, S. Dvoreckiy, M. Urtenova, I. Chistiakov, M. Kovalev, V. Teplov  
Saint-Petersburg/RU

14:10 - 14:20  
0-086 - MEDIASTINAL TRACHEOSTOMY IN A LOCALLY ADVANCED LARYNGEAL TUMOR: SHOULD WE GO THAT FAR?  
B. Bibas1, H. Minamoto2, P. Cardoso2, P.M. Pêgo-Fernandes2, R. Terra2  
São Paulo/BR

14:20 - 14:30  
0-087 - WHAT IS THE BEST TREATMENT FOR AN INFECTED DESTROYED STERNUM?  
J. Tricard, A. Chermat, E. Denes, S. El Balkhi, F. Bertin  
Limoges/FR

Award ESTS-MedXpert: Registration for ESTS Educational Event 2019/2020. This prize is offered for the best abstract from the Chest Wall session and comes courtesy of a donation by MedXpert.

14:20 - 14:30  
0-069 - LOCALLY ADVANCED LUNG CANCER REQUIRING CHEST WALL RESECTION: WHAT Dictates survival after complete (R0) resection?  
G. Jones, R. Caso, J.S. No, K.S. Tan, J. Dycoço, B. Park, M. Bott, M.S. Bains, D.R. Jones, G. Rocco  
New York/US

14:30 - 14:40  
0-070 - BEVACIZUMAB AS TRIPLE INDUCTION CHEMOTHERAPY DOES NOT INCREASE BLEEDING COMPLICATIONS DURING MESOTHELIOMA SURGERY  
Zurich/CH
SCIENTIFIC PROGRAM - TUESDAY 11 JUNE

14:40 - 14:50
0-071 - PROLIFERATION INDEX AND NUCLEAR PRMT5 EXPRESSION AS PROGNOSTIC INDICATORS IN SURGICALLY RESECTED EPITHELIAL MESOTHELIOMA PATIENTS
L. Luzzi, M. Barbarino, L. De Leonibus, P. Paladini, F. Meniconi, C. Bellan, A. Giordano
Siena/IT

14:50 - 15:00
0-072 - PROGNOSTIC VALUE OF TILS (TUMOR INFILTRATES LYMPHOCYTES) AND PET IN PLEURAL MALIGNANT MESOTHELIOMA: RETROSPECTIVE ANALYSIS OF MONOCENTRIC EXPERIENCE
I. Righi, L. Rosso, N. Fusco, M. Castellani, L. Florimonte, E. Sajjadi, F. Damarco, M. Nosotti
Milano/IT

15:30 - 15:40
0-073 - SURVIVAL AFTER SURGICAL TREATMENT OF PRIMARY SALIVARY GLAND-TYPE LUNG CANCER: A POPULATION BASED STUDY
J. Li, H. Guo, D. Liu, Y. Yang, W. Li, Z. He, X. Li, Y. Qi, S. Zhao
Zhengzhou/CN

15:40 - 15:50
0-074 - THE IMPACT OF ADJUVANT CHEMOTHERAPY FOR SURGICALLY RESECTED STAGE IB NSCLC, A POPULATION-BASED STUDY
H. Wu¹, Z. Li², H. Mao¹, F. Long², D. Wu²
¹Shenzhen/CN, ²Guangdong/CN

15:50 - 16:00
0-075 - IMMEDIATE POST-OPERATIVE AIR LEAK AFTER ANATOMICAL LUNG RESECTION; DOES IT PREDICT SURGICAL OUTCOMES AND ENHANCED RECOVERY AFTER SURGERY (ERAS) GOALS?
I. McPherson¹, M. McLellan², R. Kilpatrick², R. Govindraj², A. Kirk², R. Bilancia², M. Asif²
¹Glasgow/UK, ²Clydebank/UK

16:00 - 16:10
0-076 - CONTEMPORARY TRENDS IN LEVEL OF EVIDENCE IN GENERAL THORACIC SURGERY CLINICAL RESEARCH
R. Ben-Avi, S. Choe, M. Mehta, K. Pearce, W. Hanna, L. Schneider, F. Farrokhkyar, J. Agzarian, C. Finley, Y. Shargall
Hamilton/CA

16:10 - 16:20
0-077 - CLINICAL SIGNIFICANCE OF STATION 3A LYMPH NODE DISSECTION IN PATIENTS WITH RIGHT-SIDE NON-SMALL CELL LUNG CANCER
S. Wei, C. Liu, L. Liu
Chengdu/CN

16:20 - 16:30
0-078 - MEDIASTINAL STAGING IN LUNG CANCER PATIENTS: ADHERENCE TO GUIDELINES IN AN EMERGING COUNTRY WITH HIGH PREVALENCE OF GRANULOMATOUS DISEASES
M.T. Tsukazan¹, R. Terra², G. Fortunato³, A. Vigo¹, L. Rodrigues¹, S. Camargo¹, H. Oliveira², J.M.A. Lopez², M. Soares², S.T. Pereira³
¹Porto Alegre/BR, ²Sao Paulo/BR, ³Salvador/BR, 4Belo Horizonte/BR, 5Brasilia/BR
MESOTHELIOMA GUIDELINES IN CO-OPERATION WITH ERS/ESTRO/EACTS
TUESDAY 11 JUNE 2019 15:00 - 16:00 h · THE LIFFEY A
Chairpersons: Isabelle Opitz (Zurich/CH)
Arnaud Scherpereel (Lille/FR)

15:00 - 15:08
Diagnosis and staging
David Waller (London/UK)

15:08 - 15:16
Surgery
Isabelle Opitz (Zurich/CH)

15:16 - 15:24
Multimodality
Paul Van Schil (Antwerp/BE)

15:24 - 15:32
Radiotherapy
Arnaud Scherpereel (Lille/FR)

15:32 - 15:40
Medical treatment
Arnaud Scherpereel (Lille/FR)

15:40 - 15:48
Treatment allocation
Walter Weder (Zurich/CH)

ESTS-STS
(SOCIETY OF THORACIC SURGEONS)
JOINT SESSION
TUESDAY 11 JUNE 2019 15:00 - 16:00 h· WICKLOW HALL 1
Chairpersons: Gilbert Massard (Strasbourg/FR)
Michael Weyant (Aurora/US)

15:00 - 15:15
Training for standard thoracic surgery: multiportal VATS, uniportal VATS and thoracotomy
Brendon Stiles (New York/US)

15:15 - 15:30
Teaching and learning incoming new technology: robotics and others to come
Michael Weyant (Aurora/US)

15:30 - 15:45
Assessment of learning outcomes: from simulation training to safe independent surgical practice
Rene Horsleben Petersen (Copenhagen/DK)

15:45 - 16:00
Fashion - trends - evidence: what is determinant for the future of our specialty?
Gonzalo Varela (Salamanca/ES)
TRANSPORT - SESSION XVI
TUESDAY 11 JUNE 2019 16:30 - 17:30 h · AUDITORIUM
Chairperson: Hiroshi Date (Kyoto/JP)
Shaf Keshavjee (Toronto/CA)

16:30 - 16:40
O-079 - ELECTROLYTE BALANCE STABILIZATION BY
CONTINUOUS DIALYSIS DURING EX VIVO LUNG PERFUSION IN
PIG MODEL
J. De Wolf¹, D. Journois², F. Blanc³, I. Schwartz³, A. Roux¹, M.
Leguen¹, E. Sage¹
¹Suresnes/FR, ²Paris/FR, ³Jouy En Josas/FR

16:40 - 16:50
O-080 - PHOTOGRAPHIC ASSESSMENT OF DONOR LUNGS – A
USEFUL ADJUNCT
B. Dunne, J. Pozniak, Y. Watanabe, P. Lemaitre, J. Yeung, M.
Cypel, K. Yasufuku, A. Pierre, M. de Perrot, S. Keshavjee, T.
Waddell, L. Donahoe;
Toronto/CA

16:50 - 17:00
O-081 - DIFFERENTIAL PROTEIN LEVELS IN PRIMARY GRAFT
DYSFUNCTION (PGD) AFTER LUNG TRANSPLANTATION
A.E. Frick, S.E. Verleden, S. Ordies, A. Sacreas, R. Vos, G.M.
Verleden, B. Vanaudenaerde, S. Claes, D. Schols, D.E. Van
Raemdonck, A.P. Neyrinck
Leuven/BE

17:00 - 17:10
O-082 - RARE INDICATIONS FOR LUNG TRANSPLANTATION:
AN ESTS SURVEY.
M. Nosotti¹, S. Keshavjee², D. Van Raemdonck³, L. Ceulemans³,
T. Krueger⁴, A. Roth⁴, F. Rea⁵, M. Schiavon⁵, I. Inci⁶, I. Iskender⁶,
P. Moreno⁷, P. Paladinii⁷, L. Luzzi⁸, L. Rosso⁸, A. Bertani⁸,
F. Venuta⁹, Y. Pecoraro⁹, K. Alkattan¹⁰, B. Kubisa¹¹
¹Milano/IT, ²Toronto/CA, ³Leuven/BE, ⁴Lausanne/CH,
⁵Padua/IT, ⁶Zurich/CH, ⁷Cordoba/ES, ⁸Siena/IT,
⁹Palermo/IT, ¹⁰Rome/IT, ¹¹Riyadh, SA, ¹²Szczecin/PL

17:10 - 17:20
O-083 - SURGICAL AND FUNCTIONAL OUTCOME AFTER
SINGLE-STAGE LARYNGOTRACHEAL RECONSTRUCTION IN
PATIENTS WITH GLOTTO-SUBGLOTTIC STENOSIS
T. Schweiger, I. Roesner, I. Rodrigues, M. Evermann, S. Schwarz,
A. Benazzo, D. Denk-Linnert, K. Hoetzenecker, W. Klepetko
Vienna/AT

17:20 - 17:30
O-084 - BILE ACID ASPIRATION THREE MONTHS POST
TRANSPLANT IS ASSOCIATED WITH EARLY CLAD
DEVELOPMENT AND AIRWAY INFECTIONS: A TARGETED
METABOLIC APPROACH
A. Ursog, D.F. Briganti, R. Nandakumar, L. Benvenuto, J. Costa,
H. Robbins, L. Shah, J. Sonett, S. Cremers, S. Arcasoy, F. D'Ovidio
New York/US
LUNG CANCER MANAGEMENT UPDATE IN CO-OPERATION WITH THE INTERNATIONAL ASSOCIATION FOR THE STUDY OF LUNG CANCER (IASLC)
TUESDAY 11 JUNE 2019 16:30 - 17:30 h · THE LIFFEY A
Chairpersons: Valerie Rusch (New York/US)
Ramon Rami-Porta (Barcelona/ES)

16:50 - 17:00
Management of the mediastinum during lung cancer resections: How much is enough?
Gaetano Rocco (New York/US)

17:00 - 17:10
Extended resections for T3 and T4 NSCLC
Stephen Cassivi (Rochester/US)

16:30 - 16:40
What further refinements are needed in the lung cancer staging system?
Ramón Rami-Porta (Barcelona/ES)

17:10 - 17:20
Incorporating immunotherapy into multimodality treatment of locally advanced NSCLC
Valerie Rusch (New York/US)

16:40 - 16:50
Which NSCLC can be appropriately managed by sublobar resection?
Nasser Altorki (New York/US)

GENERAL ASSEMBLY
TUESDAY 11 JUNE 2019 17:30 - 18:00 h · AUDITORIUM
**27th ESTS MEETING**

**9 JUNE - 12 JUNE 2019 • DUBLIN, IRELAND**

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**SCIENTIFIC PROGRAM - WEDNESDAY 12 JUNE**

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**PRO & CON SESSION**

**WEDNESDAY 12 JUNE 2019 09:00 - 10:00 h · THE LIFFEY A**

**Chairpersons:** Pier Luigi Filosso (Torino/IT)
Marcin Zielinski (Zakopane/PL)

**09:00**
Early stage lung cancer: Surgery versus No Surgery
Discussants Paula Ugalde (Quebec/CA)
Agasthian Thirugnanam (Singapore/SG)

**09:40**
Totally Minimally Invasive versus Hybrid Esophagectomy: Which one is safer?
Discussants Hasan Batirel (Istanbul/TK)
Xavier Benoit D’Journo (Marseille/FR)

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**VIDEO III ABSTRACT SESSION XVII**

**WEDNESDAY 12 JUNE 2019 09:00 - 10:00 h · AUDITORIUM**

**Chairpersons:** Rene Horsleben Petersen (Copenhagen/DK)
Hermien Schreurs (Alkmaar/NL)

**09:00 - 09:10**
V-091 - ICG NAVIGATED BILATERAL VATS SEGMENTECTOMIES:
RIGHT S 3 AND LEFT S 1+2
O. Pikin, A. Ryabov, A. Amiraliev, V. Barmin, O. Alexandrov
Moscow/RU

**09:10 - 09:20**
V-092 - FOUR PORT MINIMALLY INVASIVE IVOR LEWIS
ESOPHAGECTOMY
H. Batirel, A.F. Durusoy
Istanbul/TR

**09:20 - 09:30**
V-093 - TWO-PORT APPROACH FOR ROBOTIC THYMECTOMY
K.N. Han, H.K. Kim
Seoul/KR

**09:30 - 09:40**
V-094 - NON-INTUBATED SUBXIPHOID UNIPORTAL VATS
RIGHT LOWER LOBECTOMY - CASE REPORT
H. Saad, G. Aresu, K. Bhaktiri, C. Patwardhan, A. Roscoe, A. Peryt, A. Coonar
Cambridge/UK

**09:40 - 09:50**
V-095 - SPONTANEOUSLY VENTILATING ANATOMICAL
POSTERIOR SEGMENTECTOMY
L. Socci, A. Sharkey, B. Gray, J. Rosser
Sheffield/UK

**09:50 - 10:00**
V-096 - ROBOTIC RIGHT UPPER LOBE LOBECTOMY WITH
CHEST WALL RESECTION
J. Trevis1, V. Joshi2, J. Dunning2
1Newcastle-upon-Tyne/UK, 2Middlesbrough/UK
SCIENTIFIC PROGRAM - WEDNESDAY 12 JUNE

OUTCOME REPORTING AND QUALITY MEASURE IN CO-OPERATION WITH SOCIETY FOR CARDIOTHORACIC SURGERY IN GREAT BRITAIN AND IRELAND (SCTS)

WEDNESDAY 12 JUNE 2019 10:00 - 11:00 h · AUDITORIUM

Chairpersons: David Healy (Dublin/IE)  Richard Page (Liverpool/UK)

10:00 - 10:15
Thoracic audit in the NHS with specific reference to lung cancer
Douglas West (Bristol/UK)

10:15 - 10:30
The relevance of audit in clinical practice - the view of the regulator
Freddie Wood (Dublin/IE)

10:30 - 10:45
National lung cancer audit: the physicians perspective
Neal Navani (London/UK)

10:45 - 11:00
Data doesn’t matter
Niall McGonigle (Belfast/UK)

ESTS IN CO-OPERATION WITH CHINESE ASSOCIATION OF THORACIC SURGERY (CATS)

WEDNESDAY 12 JUNE 2019 10:00 - 11:30 h · THE LIFFEY A

Chairpersons: Luca Bertolaccini (Bologna/IT)  Lunxu Liu (Chengdu/CN)

10:00 - 10:20
A critical appraisal of preoperative mediastinal assessment in non-small cell lung cancer
Eric Lim (London/UK)

10:20 - 10:40
VATS sleeve lobectomy for locally advanced lung cancer
Wentao Fang (Shanghai/CN)

10:40 - 11:00
Treatment of germ cell tumours and presentation of institutional case series
Raul Caso (New York/USA)

11:00 - 11:10
Single-direction VATS left S10 segmentectomy through an inferior pulmonary ligament approach
Chengwu Liu (Sichuan/CN)

11:10 - 11:20
Thoraco-laparoscopic Ivor-Lewis esophagectomy for adenocarcinoma of esophagogastric junction
Wen-Ping Wang (Sichuan/CN)

11:20 - 11:30
VATS lobectomy
Jun Liu (Guangzhou/CN)

Winners of the 2019 CATS Video Competition

11:00 - 11:10
Single-direction VATS left S10 segmentectomy through an inferior pulmonary ligament approach
Chengwu Liu (Sichuan/CN)

11:10 - 11:20
Thoraco-laparoscopic Ivor-Lewis esophagectomy for adenocarcinoma of esophagogastric junction
Wen-Ping Wang (Sichuan/CN)
POSTERS
P-001
COMBINED USE OF CYTOKINE ADSORPTION THERAPY AND ECMO IN PATIENTS WITH SEVERE PNEUMOGENIC SEPSIS AND ARDS
A. Akil, J. Reichelt, S. Ziegeler, M. Semik, S. Fischer
Ibbenbüren/DE

P-002
LUNG CANCER SURGERY IN THE OLDER PATIENT; DO DEMOGRAPHIC CHANGES REQUIRE US TO REVISE OUR HABITS?
K.-M. Bastian1, M. Toffel1, M. Schieren2, J.M. Defosse2, A. Lopez-Pastorini2, A. Koryllos2, E. Stoelben2, C. Ludwig2
1Düsseldorf/DE, 2Cologne/DE

P-003
MINIMALLY INVASIVE SURGERY VERSUS THORACOTOMY IN SLEEVE RESECTION FOR CENTRAL LUNG CANCER: A PROPENSITY-SCORE MATCHED STUDY
T. Chen
Shanghai/CN

P-004
EXTERNAL VALIDATION OF THE PROPOSED TNM-SUBCLASSIFICATION OF THE N-PARAMETER IN LUNG CANCER: THE CRUCIAL ROLE OF THE HISTOLOGY
M. Chiapetta1, F. Lococo2, L. Petracca1, G. Leuzzi1, G. Ratto4, D. Nachira1, P.L. Filosso2, F. Mucilli2, E. Meacci1, M.T. Congedo1, L. Spaggiari1, F. Facciolo1, S. Margaritotta1
1Rome/IT, 2Reggio Emilia/IT, 3Milan/IT, 4Genoa/IT, 5Turin/IT, 6Chieti/IT

P-005
ERGONOMICAL ASSESSMENT OF THREE-DIMENSIONAL VERSUS TWO-DIMENSIONAL THORACOSCOPIC LOBECTOMY
A. Elkhouly1, R. Sorge2, P. Rogliani2, B. Cristino2, E. Pompeo2
1Tanta/EG, 2Rome/IT

P-006
HIGH EXPRESSION OF ERB2/GALECTIN-9 IS CLOSELY RELATED TO LOCAL INFILTRATION OF NK CELLS AND GOOD PROGNOSIS FOR NSCLC
Z. Ji1, Z. Liu2
1Shenzhen/CN, 2Guangzhou/CN

P-007
THE EFFECT OF INFERIOR PULMONARY LIGAMENT PRESERVATION DURING LEFT UPPER LOBECTOMY ON LUNG VOLUME AND BRONCHIAL ANGLE CHANGE
D.H. Moon1, S. Lee3, C.H. Park1, S.J. Haam2, J. Jung2
1Seoul/KR, 2Suwon/KR

P-008
IMPACT OF LATE INCISION TIME AND SURGERY DURATION IN THE INCIDENCE OF POSTOPERATIVE ADVERSE EVENTS AND IN-HOSPITAL MORTALITY AFTER PULMONARY LOBECTOMY
M. Rodriguez1, L.E. De Leon2, C.E. Bravo-Iniguez2, S.J. Mentze2, J.O. Wee2, M.T. Jaklitsch2
1Madrid/ES, 2Boston/US

P-009
ESOPHAGOGASTRIC ANASTOMOSIS WITH LINEAR STAPLERS REDUCES ANASTOMOSIS STRICTURE AFTER ESOPHAGECTOMY
J. Song1, S. Park, I.K. Park, Y.T. Kim, C.H. Kang
Seoul/KR

P-010
IDENTIFICATION OF INTERSEGMENTAL PLANE FOR PULMONARY SEGMENTECTOMY: A NOVEL TECHNIQUE FOR TARGET OCCLUSION OF SUB-SEGMENTAL BRONCHUS VIA ELECTROMAGNETIC NAVIGATION BRONCHOSCOPE WITH SEALANT
T. Qiu, W.-J. Jiao, Y.-D. Zhao, Y.-P. Xuan, Y. Shen, Y. Qin, A. Liu, Y.-T. Dong, J.-F. Song, Z.-J. Niu, Y.-R. Luo
Qingdao/China

P-011
EFFECTIVE GROWTH FACTORS FOR STEM CELL HOMING IN TISSUE ENGINEERED TRACHEAL GRAFTS
J. Weber, S. Rehmani, W. Raad, R. Lebovics, F. Bhora
New York/US
P-017
18F-FDG UPTAKE IS PREDICTIVE OF POOR SURVIVAL AFTER SURGERY FOR LARGE-CELL-NEOENDOCRINE-CARCINOMAS OF THE LUNG: A BICENTRIC ANALYSIS
F. Lococo 1, L. Fournel1, M.C. Mengoli1, C. Rapicetta1, T. Di Stefano1, M. Paci1, M. Alifano2
1Reggio Emilia/IT, 2Paris/FR

P-018
IMPACT OF CT IMAGING VS HISTOLOGICAL FINDINGS IN THE PROGNOSIS OF PULMONARY METASTASECTOMY FROM COLORECTAL CANCER: A COMPARISON OF VATS APPROACH WITH STANDARD THORACOTOMY
J. Hernández1, J.J. Fibla1, A. Guirao1, R. Embûni2, L. Molins1
1Barcelona/ES, 2Zaragoza/ES

P-019
STAGED MANAGEMENT IN PATIENTS PRESENTING WITH CARDIAC DISEASE AND CONCOMITANT EARLY LUNG CANCER: A TWENTY-YEAR MONOCENTRIC SINGLE CENTER EXPERIENCE
J. Tricard1, D. Milat2, A. Chermat 1, S. simard3, Y. Lacasse2, F. Dagenais4, M. Conti2
1Limoges/FR, 2Quebec/CA

P-020
CAN A TRAINEE SAFELY LEARN VATS LOBECTOMY WITHOUT OPEN LOBECTOMY EXPERIENCE?
Milan/IT

P-021
A RISK MODEL TO PREDICT TWO YEAR SURVIVAL AFTER VATS LOBECTOMY FOR NON SMALL CELL LUNG CANCER
Leeds/UK

P-022
15-YEAR OUTCOMES OF PULMONARY METASTASECTOMY: 20 YEARS FROM THE INTERNATIONAL REGISTRY OF LUNG METASTASES
N. Yaftian1, P. Antippa1, F. Cheung3, G. Wright2
1Parkville/AU, 2Fitzroy/AU
POSTERS

P-023
PREOPERATIVE MAXIMUM OXYGEN CONSUMPTION (VO2MAX): INDEPENDENT PREDICTOR OF 10 YEARS SURVIVAL AFTER RESECTION OF NON-SMALL-CELL LUNG CANCER
Graz/AT

P-024
DRAINLESS MINIMAL INVASIVE THORACIC SURGERY LOBECTOMY FOR TREATING LUNG CANCER
L.S. Yong, K.-C. Chen, J.-M. Lee
Taipei City/TW

P-025
IMPACT OF ROBOTIC SURGERY COMPARED TO VATS AND OPEN SURGERY ON PERIOPERATIVE OUTCOMES AND QUALITY OF LIFE IN PATIENTS UNDERGOING LUNG LOBECTOMY OR ANATOMIC SEGMENTECTOMY
P. Novellis1, P. Maisonneuve2, E. Bottoni3, E. Dieci4, S. Di Stefano1, M. Solinas1, U. Cariboni1, A. Testori1, M. Alloisio1, G. Veronesi1
1Rozzano-Milan/IT, 2Milan/IT

P-026
A LEARNING CURVE FOR UNIPORTAL LOBECTOMY
R. Andrade, K. Uy, A. Bhargava, M. Rao, I. Diaz
Minneapolis/US

P-027
THORACIC ROBOTIC SURGERY IN ELDERLY PATIENTS
1Sao Paulo/BR, 2Rio De Janeiro/BR

P-028 - P-043
Chairperson: Benedetta Bedetti (Bonn/DE)
Topic: Pulmonary Neoplastic

P-028 WITHDRAWN
UNIPORTAL VIDEO ASSISTED THORACOSCOPIC SLEEVE LOBECTOMIES: TECHNIQUE AND OUTCOMES OF 79 CONSECUTIVE PATIENTS
M. Soultanis1, C.C. Ma2, L. Wu2, J. Chen3, C. Yang2, D. Gonzalez-Rivast2, F. Abu Akar3, G. Jiang2, L. Jiang2
1Athens/GR, 2Shanghai/CH, 3East Jerusalem/PS

P-029
MINIMAL-INVASIVE APPROACH IS ASSOCIATED WITH REDUCED CARDIOPULMONARY COMPLICATIONS IN ELDERLY PATIENTS > 70 YEARS UNDERGOING CURATIVE INTENT SURGERY FOR T1/2 LUNG CANCER
M. Zaatar, T. Stork, D. Valdivia, T. Plönes, K. Mardanzai, D. Stefani, S. Collaud, P. Pöllen, B. Hégédus, C. Aigner
Essen/DE

P-030
TREATMENT OF EARLY-STAGE NON-SMALL CELL LUNG CANCER: DIFFERENT TREATMENT MODALITIES AND CURRENT CLINICAL PRACTICE IN THE NETHERLANDS
J.S. Hopstaken1, J.C. de Ruiter1, R. Damhuis2, K.J. Harterink1
1Amsterdam/NL, 2Utrecht/NL

P-031
IS THERE A ROLE FOR NEOADJUVANT CHEMOTHERAPY IN THE MANAGEMENT OF PRIMARY PULMONARY SYNOVIAL SARCOMA?
S. Bankar, C.S. Pramesh, S. Jiwani, G. Karimundackal
Numbai/IN

P-032
WEDGE RESECTION: A SOUND ONCOLOGIC PROCEDURE FOR A SUBSET OF PATIENTS WITH CLINICAL STAGE IA NON-SMALL CELL LUNG CANCER PRESENTING AS A SOLID NODULE
M. Kamel, B. Stiles, M. Rahouma, S. Harrison, B. Lee, J. Port, N. Altorki
New York/US
POSTERS

P-033
FACTORS AFFECTING THE PROLONGED AIR LEAKAGE (PAL) IN SINGLE CHEST TUBE VERSUS DOUBLE CHEST TUBE DRAINAGE AFTER LUNG RESECTION
Krakow/Poland

P-034
IMPORTANCE OF PATHOLOGICAL CHARACTERISTICS TO DIFFERENTIATE NEW PRIMARY LUNG CANCER FROM METASTASIS AFTER RESECTION OF CLINICAL STAGE I NON-SMALL LUNG CANCER
M. de Perrot, J. Cho, M.-S. Tsao, D. Hwang, N. Leiglh, A. Bezjak
Toronto/CA

P-035
POOR PREOPERATIVE QUALITY OF LIFE IS ASSOCIATED WITH PROLONGED HOSPITAL STAY AFTER VATS LOBECTOMY FOR LUNG CANCER
Leeds/UK

P-036
INCIDENCE, ETIOLOGY AND OUTCOMES OF OPERATIVE AND NONOPERATIVE MANAGEMENT OF HEMORRHAGE AFTER PULMONARY LOBECTOMY
B. Udelsman, M. Soni, M.L. Madariaga, F. Fintelmann, T. Best, S. Li, H. Gaissert
1Boston/US, 2Washington DC/US

P-037
SINGLE-PORT VERSUS MULTIPORT THORACOSCOPIC SEGMENTECTOMY FOR LUNG CANCER: A PROPENSITY-MATCHED STUDY
J. Yu, M. Feng, Y. Yuan, L. Tan, Q. Wang
Shanghai/CN

P-038
LONG-TERM OUTCOMES AFTER SURGICAL TREATMENT FOR SUB-SOLID NODULES LESS THAN 3CM: A SINGLE-INSTITUTION EXPERIENCE
D.H. Moon, S. Lee
Seoul/KR

P-039
TWELVE METRE STAIR-CLIMBING BEFORE AND AFTER LUNG LOBECTOMY
Nagoya/JP

P-040
DOES THE DISTANCE FROM THE VISCERAL PLEURA INFLUENCE THE SURGICAL QUALITY AND PERIOPERATIVE MAJOR COMPLICATIONS AMONG PATIENTS UNDERGOING WEDGE RESECTION FOR SMALL LUNG NODULES?
C. Li, Y. Zheng, Y. Han, H. Li
Shanghai/CN

P-041
NATIONAL LUNG CANCER SCREENING TRIAL MODEL APPLIED TO BLOOD DONORS POPULATION
F. Raveglia, A. Rizzi, M. Scarci, A. Baisi
1City/IT, 2Milan/IT, 3Monza/IT

P-042
LONG-TERM SURVIVAL FOLLOWING MINIMALLY INVASIVE SURGERY FOR RESECTABLE LUNG CANCER: COMPARING RATS TO VATS
Rouen/FR

P-043
EARLY AND LATE OUTCOMES OF CONTROLATERAL ANATOMICAL SURGICAL RESECTION IN MULTIPLE LUNG CANCER
1Amiens/FR, 2Argentueil/FR
POSTERS

POSTERS SESSION IV
MONDAY 10 JUNE 2019 12:30 - 13.30 h
EXHIBITION AREA

P-044 - P-059
Chairperson: Marco Bitenc (Ljubljana/SI)
Topic: Pulmonary Neoplastic

P-044
RISK FACTORS OF VENOUS THROMBOEMBOLISM AFTER LUNG CANCER SURGERY: A SINGLE-CENTER STUDY
S. Cui, H. Li, B. Tian
Beijing/CN

P-045
IS ANATOMICAL RESECTION FOR OCTOGENARIAN LUNG CANCER PATIENTS PROMISING? AN ANALYSIS OF 1106 CONSECUTIVE PATIENTS
H. Ishibashi, R. Ishizawa, S. Kakuta, S. Baba, A. Asakawa, M. Kobayashi, K. Okubo
Tokyo/JP

P-046
SURVIVAL AND PROGNOSTIC FACTORS OF COMPLETELY RESECTED T3NOMO NSCLC
E. Marques, P. Ugalde Figueroa, E. Bourdages-Pageau, A. Godin
Quebec/CA

P-047
TOTAL LUNG GLYCOLYSIS ON 18F-FDG-PET/CT IS A THERAPEUTIC INDEX CORRESPONDING TO PD-L1 EXPRESSION AFTER IMMUNE CHECKPOINT INHIBITOR IN THE PATIENTS WITH POSTOPERATIVE RECURRENCE
H. Kuroda, Y. Oya, T. Hida, N. Sakakura
Nagoya/JP

P-048
INCREASE IN POSTOPERATIVE HEART RATE COMPARED WITH PREOPERATIVE HEART RATE MIGHT BE A PREDICTOR OF POSTOPERATIVE ATRIAL FIBRILLATION IN PATIENTS UNDERGOING LUNG RESECTION
Yamagata/JP

P-049
VATS SENTINEL NODE BIOPSY REDUCES THE NEED FOR SYSTEMATIC MEDIASTINAL LYMPHADENECTOMY IN EARLY STAGE NSCLC
I. Šimundža, N. Ilić, J. Juričić, D. Kmić
Split/HR

P-050
EXTENDED SLEEVE LOBECTOMY HAS SAME SURGICAL OUTCOME WHEN COMPARED WITH CONVENTIONAL LOBECTOMY IN PATIENTS WITH LUNG CANCER
I. Inci, M. Benker, N. Citak, D. Schneiter, C. Caviezel, S. Hillinger, I. Opitz, W. Weder
Zurich/CH

P-051
UNIPORTAL THORACOSCOPIC ANATOMIC SEGMENTECTOMY: CLINICAL AND ONCOLOGICAL OUTCOME OF 150 CASES
K. Gioutsos, J.A. Lutz, P. Dorn, R.A. Schmid, G. Kocher
Bern/CH

P-052
BRONCHOALVEOLAR LAVAGE (BAL) AFTER INTUBATION SUPPORTS BEST PRACTICE ANTIBIOTIC GUIDELINES FOR LUNG RESECTION
H. Jones, A. Almadani, D. O’Callaghan, B. Lynch, K. Redmond
Dublin/IE

P-053
FACTORS PREDICTING OUTCOME AFTER SURGICAL TREATMENT FOR PATIENTS WITH CT4 LUNG CANCER IN THE 8TH EDITION OF THE TNM CLASSIFICATION
Kyoto/JP

P-054
SPIRAL WIRE LOCALIZATION OF LUNG NODULES PRIOR TO MINIMALLY INVASIVE RESECTIONS: A COMPREHENSIVE EVALUATION OF AN UNCOMMON DEVICE AND ITS ONCOLOGICAL USEFULNESS
M. Patella, D.A. Bartolucci, F. Mongelli, R. Cartolari, E.M. Minerva, R. Inderbitzi, S. Cafarotti
Bellinzona/CH
POSTERS

P-055
LONG-TERM OUTCOME OF PATHOLOGIC NODE POSITIVE CASES AFTER MULTIPORT THORACOSCOPIC LOBECTOMY WITH MEDIASTINAL LYMPHADENECTOMY FOR STAGE I NON-SMALL CELL LUNG CANCER
M. Mun, J. Ichinose, Y. Matsuura, M. Nakao, K. Nakagawa, S. Okumura
Tokyo/JP

P-056
ASSESSMENT OF PREOPERATIVE PECTORALIS MUSCLE AND TRUNCAL MUSCLE ON CHEST COMPUTED TOMOGRAPHY: TOWARDS PRECISE PROGNOSTIC STRATIFICATION OF RESECTABLE NON-SMALL CELL LUNG CANCER
Tokyo/JP

P-057
PROGNOSTIC SIGNIFICANCE OF GERIATRIC NUTRITION RISK INDEX FOR SURVIVAL IN LUNG CANCER PATIENTS UNDERGOING RADICAL SURGERY
H. Hino, T. Saito, T. Utsumi, H. Matsui, Y. Taniguchi, T. Murakawa
Osaka/JP

P-058
WEDGE VS SEGMENTECTOMY IN STAGE I NSCLC SMALLER THAN 2 CM
H. Gagnon1, T. R. Martins1, E. Bourdages-Pageau1, K. F. Kennedy2, P. Ugalde Figueroa1
1Québec/CA, 2Kansas City/US

P-059
PROGNOSTIC FACTORS AND LONG-TERM OUTCOMES AFTER PULMONARY METASTASECTOMY FROM RENAL CELL CARCINOMA
D. Galetta, M. Casiraghi, L. Spaggiari
Milan/IT

P-060
THE CONSOLIDATION VOLUME AND INTEGRATION OF MODIFIED CT VALUE WITH 3D-CT PREDICT INVASIVENESS IN LUNG ADENOCARCINOMA ≤ 20MM
Y. Saeki, S. Kitazawa, N. Kobayashi, S. Kikuchi, Y. Goto, Y. Sato
Tsukuba/JP

P-061
CONVERSION OF VATS LOBECTOMY TO THORACOTOMY MAY INFLUENCE SHORT- AND LONG-TERM RESULTS IN PATIENTS WITH NON-SMALL CELL LUNG CANCER
C. Piwkowski, P. Gabryel, M. Kasprzyk, P. Zieliński, S. Smoliński, W. Dyszkiewicz
Poznan/PL

P-062
LUNG CANCER SURGERY IN OCTOGENARIANS: A META-ANALYSIS OF PREDICTORS OF POSTOPERATIVE COMPLICATIONS
M. Bassi1, C. Poggi1, F.M. Giorgi2, G. Biondi-Zoccai2, S. Mantovani1, Y. Pecoraro1, C. Carillo1, D. Amore1, D. Diso1, E.A. Rendina1, F. Venuta1, M. Anile1
1Rome/IT, 2Bologna/IT

P-063
PREOPERATIVE LUNG FUNCTION PREDICTS CHANGES IN PATIENT REPORTED OUTCOMES AFTER LUNG CANCER SURGERY
Atlanta/US
POSTERS

P-065
SINGLE-SESSION VAML A AND VATS LOBECTOMY FOR EARLY-STAGE NSCLC: SHORT-TERM RESULTS
T. Kraic, B. Marzluf, M. Mueller
Vienna/AT

P-066
A PROSPECTIVE BICENTRIC STUDY TO EVALUATE SURGICAL OUTCOME AND LUNG FUNCTION CHANGES AFTER LASER-ASSISTED PULMONARY METASTASECTOMY
M. Hassan1, T. Graeter2, I. Dietrich1, B. Haager1, L. Kern1, B. Passlick1, S. Schmidt1
1Freiburg Im Breisgau/DE, 2Löwenstein/DE

P-067
NAVIGATION BRONCHOSCOPY IMAGE-GUIDED VATS ENABLES SURGEON-PERFORMED, SINGLE-PROCEDURE LOCALIZATION OF SMALL/DEEP, IMPALPABLE LESIONS
R. Baranowski, G. Sotiropoulos, S. Stamenkovic, A.-R. Dhanji, S.M. Kolokotroni, L. Ashrafian, K. Lau
London/UK

P-068
PREDICTION OF RESPONSE TO NEOADJUVANT CHEMOTHERAPY BY PRETREATMENT PET/CT?
Bursa/TR

P-069
DEATH AFTER DISCHARGE WITHIN ONE YEAR OF LUNG RESECTIONS FOR NSCLC
Bursa/TR

P-070
CURRENT PRACTICE VARIATION IN PERIOPERATIVE CARE IN ANATOMICAL LUNG RESECTIONS IN THE NETHERLANDS; A SURVEY OF ALL DUTCH LUNG SURGICAL CENTRES
C. de Betue1, E. von Meyenfeldt1, E. van Thiel4, G. Marres1, W. Schreurs2
1Dordrecht/NL, 2Alkmaar/NL

P-071
CLINICAL OUTCOMES OF MICROSCOPIC RESIDUAL DISEASE (R1) AFTER BRONCHIAL SLEEVE RESECTION FOR NON-SMALL CELL LUNG CANCER
Seoul/KR

P-072
DOES GROUND GLASS OPACITY-DOMINANT FEATURE HAVE A PROGNOSTIC SIGNIFICANCE IN NODE-NEGATIVE ADENOCARCINOMA WITH SAME INVASIVE COMPONENT SIZE?
J.H. Jeon, S.J. Han, Y.W. Seong, S. Cho, K. Kim, S. Jheon
Seongnam-si/KR

P-073
CLINICAL IMPLICATION OF STAS (SPREADING TUMOR CELL THROUGH AIR SPACES) IN STAGE I (AJCC 8TH EDITION) LUNG ADENOCARCINOMA TREATED WITH LOBECTOMY
Seoul/KR

P-074
THE IMPACT OF GERIATRIC NUTRITION RISK INDEX (GNRI) AS A PREDICTIVE AND PROGNOSTIC FACTOR IN NON-SMALL-CELL LUNG CANCER
H. Ishibashi, S. Kakuta, R. Ishizawa, S. Baba, A. Asakawa, M. Kobayashi, K. Okubo
Tokyo/JP

P-075
THE PRESENSE OF VISCERAL PLEURAL INVASION NEGATIVELY INFLUENCES THE OUTCOME OF SUBLOBAR RESECTION FOR SMALL-SIZE NON-SMALL CELL LUNG CANCER
Yokohama/JP
POSTERS SESSION IV
MONDAY 10 JUNE 2019 12:30 - 13.30 h
EXHIBITION AREA

P-076 - P-091
Chairperson: Toyofumi Chen-Yoshikawa (Kyoto/JP)
Topic: Pulmonary Neoplastic

P-076
FACING A SURGICAL FALSE-POSITIVE IN A LUNG CANCER SCREENING PROGRAMME: THE PATIENT´S PERSPECTIVE
M. Mesa-Guzman , J. Gonzalez, M. Miqueleiz, J. Isea de la Viña, J.P. De Torres, G. Bastarrrika, J. Zulueta
Pamplona/ES

P-077
MEASUREMENT OF TIMELINESS IMPROVES DELIVERY OF CARE FOR LUNG CANCER PATIENTS IN A HIGH-RISK, ECONOMICALLY DISADVANTAGED POPULATION
J. Martin ´1, W. Waugh1, J. Woodyard1, A. Kramar2, M. Dawkins2, R. Phillips1, S. Logan1
1Portsmouth/US, 2Maryland/US

P-078
SURGICAL TREATMENT OF LUNG CANCER IN THE ELDERLY - EPIThor-BASED NATIONWIDE ANALYSIS OF OPERATIVE TRENDS AND SAFETY PROFILE
J. Santos Silva1, A. Olland, G. Massard, P.E. Falcoz
Strasbourg/FR

P-079
NON-INTUBATED THORACIC SURGERY FOR MAJOR LUNG RESECTIONS: VIDEO-ASSISTED AND OPEN CASES
J. Furak1, A. Ottlakan, V. Kovacs, A. Lepran, Z. Szabo, T. Tanczos, G. Lazar, Z. Molnar
Szeged/HU

P-080
OCCULT NODAL DISEASE IN SURGICALLY RESECTED NON-SMALL CELL LUNG CANCER
Ishikawa Yuya
Hyogo/JP

P-081
NEXT GENERATION SEQUENCING-BASED GENE PROFILING OF PULMONARY PLEOMORPHIC CARCINOMA
M. Nagano1, S. Kohsaka1, A. Ushiku1, S. Tanaka2, M. Tsuda2, T. Shinohara2, Y. Omori2, F. Sugaya2, H. Kato2, Y. Narita2, T. Hayashi1, K. Takamochi1, K. Suzuki1, J. Nakajima1, H. Mano1
1Tokyo/JP, 2Sapporo/JP

P-082
IMPACT OF COMPLEX SEGMENTECTOMY BY VATS ON PERIOPERATIVE OUTCOME
B. Bedat1, E. Abdelnour2, T. Krueger2, J. Perentes2, H.-B. Ris3, F. Triponez4, W. Karenovic1, M. Gonzalez2
1Geneva/CH, 2Lausanne/CH

P-083
WHEN SHOULD WE CONSIDER SALVAGE SURGERY?
A. Kobayashi1, Y. Yoshida1, K. Nakagawa1, S.-I. Watanabe2
1Chuo-ku/JP, 2Tokyo/JP

P-084
CD271 SERVES AS A PROGNOSTIC MARKER IN NSCLC
Y. Kataoka1, T. Fujita2, J. Hanaoka2
1Otsu/Japan, 2Kohka/Japan

P-085
SURGICAL RESECTION OF ADVANCED LUNG CANCER AFTER A RESPONSE TO EGFR-TKI AND/OR IMMUNOTHERAPY: A SINGLE INSTITUTION EXPERIENCE
D. Galetta1, L. Spaggiari
Milan/IT

P-086
THE IMPACT OF DELAY BETWEEN STAGING PET AND SURGERY ON PREDICTED SURVIVAL IN EARLY STAGE PRIMARY LUNG CANCER
A. Bartnik1, T. El-Nakhal1, J. Hogan1, H. Saad2, F. VanTornout1, W. Bartosik1, V. Kouritas1, J. Kadlec1
1Norwich/UK, 2Cambridge/UK

P-087
PULMONARY FUNCTION CHANGES AFTER VIDEO-ASSISTED THORACOSCOPIC SEGMENTECTOMY VERSUS LOBECTOMY FOR EARLY STAGE LUNG CANCERS
L. Chen1, Z. Gu1, H. Wang2, C. Ji3, V. Fang
Shanghai/CN
POSTERS

P-088
MULTICENTER RANDOMIZED CONTROLLED TRIAL COMPARING DIGITAL AND TRADITIONAL CHEST DRAIN IN A VATS PULMONARY LOBECTOMY COHORT: INTERIM ANALYSIS
P. Mendogni1, G. Marulli2, S. Pieropan1, G.M. Comacchio3, L.G. Andriolo4, G. Imbriglio4, G. Bonitta1, D. Tosi1, C. Lopez2, F. Rea3, M. Nosotti1
1Milan/IT, 2Bari/IT, 3Padova/IT, 4Lecce/IT

P-089
PRIMARY TUMOR RESECTION OF NON-SMALL CELL LUNG CANCER PATIENTS WITH IPSILATERAL PLEURAL DISSEMINATION (M1A): IN THE ERA OF TARGET THERAPY
T. Liu
Beijing/CN

P-090
SURGICAL BENEFITS AND PROGNOSIS FOR PATIENTS WITH TNM STAGE M1A PL DISSEM NON-SMALL CELL LUNG CANCER DIAGNOSED INTRAOPERATIVELY: A SINGLE CENTER RETROSPECTIVE STUDY
M. Li1, M. Feng, C. Zhan, Q. Wang
Shanghai/CN

P-091
INTRAVERSEOUS AIR BUBBLES SEEN IN TRANSESOPHAGEAL ECHOCARDIOGRAPHY DURING LUNG RESECTION
Yamagata/JP

P-092 - P-107
Chairperson: Georges Decker (Luxembourg/LU)
Topic: Pulmonary Neoplastic

P-093
SURGICAL OUTCOME AND PROGNOSIS OF NON-SMALL-CELL LUNG CANCER IN CHRONIC LUNG DISEASES
S. Choi, G. Rim, J. Choi, J. Park
Seoul/KR

P-094
SYSTEMATIC REVIEW AND META ANALYSIS OF ADJUVANT THERAPY USING GEFITINIB FOR EGFR POSITIVE MUTATION NON SMALL LUNG CANCER PATIENTS
J. Tang
Chengdu/CN

P-095
AMINOADIPATE AMINOTRANSFERASE (AADAT) MRNA EXPRESSION PREDICTS EARLY RELAPSE AFTER SURGICAL RESECTION IN NON-SMALL LUNG CANCER
D. Sagan1, T. Kocki, J. Kocki
Lublin/PL

P-096
CLINICOPATHOLOGICAL ANALYSIS OF LUNG CANCER LESIONS ADJOINING EMPYEMATOUS BULLAE
K. Takegahara, J. Usuda
Tokyo/JP

P-097
MANAGEMENT OF THE INTER-SEGMENTAL PLANE USING THE “COMBINED DIMENSIONAL REDUCTION METHOD” IS SAFE AND VIABLE IN UNIPORT VIDEO-ASSISTED THORACOSCOPIC PULMONARY SEGMENTECTOMY
B. Zheng1, X. Fu1, G. Xu1, W. Zheng1, C. Chen1, B. Bedat2, B. Bedetti3, M. Sato4
1Fuzhou/CH, 2Geneva/CH, 3Bonn/DE, 4Tokyo/JP

P-098
MAY DIFFERENT SURGICAL APPROACH – VIDEO-ASSISTED THORACIC SURGERY (VATS) VS. OPEN APPROACH - LEAD TO DIFFERENT POSTOPERATIVE COAGULATIVE STATE IN PATIENTS WITH INTRATHORACIC NEOPLASMS?
A. Zuin, G. Di Gregorio, E. De Franceschi, S. Nicotra, I. Lomangino, P. Simioni, L. Spiezio, F. Rea
Padua/IT
POSTERS

P-099
THE IMPACT OF PATIENT COMPLIANCE AND INDIVIDUAL COMPONENTS IN AN ERAS PATHWAY ON THE OUTCOME OF ANATOMICAL VATS RESECTIONS
C. Forster, V. Doucet, J. Perentes, E. Abdelnour, T. Krueger, L. Rosner, M. Gonzalez
Lausanne/CH

P-100
CLINICAL SIGNIFICANCE OF SYNCHRONOUS BRAIN TUMORS IN T1-2N0-1 NON-SMALL-CELL LUNG CANCERS: JNET50301
K. Suzuki¹, S. Shiono¹, T. Hasumi², A. Sakurada², M. Minowa³, S. Takahashi³, N. Sato³, H. Uramoto³, H. Oizumi¹, H. Saito¹, S. Maeda¹, Y. Okada²

P-101
1Q AMPLIFICATION IS A DISTINGUISHING FEATURE OF EARLY-STAGE LUNG CANCER
Y. Yang, G. Jiang
Shanghai/CN

P-102
ARE NOVEL IMMUNE-NUTRITIONAL PARAMETERS ASSOCIATED WITH RISK FACTORS OF POSTOPERATIVE DELIRIUM IN LUNG CANCER PATIENTS?
H. Ishibashi¹, A. Asakawa, R. Ishizawa, S. Kakuta, S. Baba, M. Kobayashi, K. Okubo
Tokyo/JP

P-103
VIDEO-ASSISTED THORACIC SURGERY FOR THE SURGICAL TREATMENT OF STAGE III-N2 NON-SMALL CELL LUNG CANCER COMPARED WITH OPEN THORACOTOMY: A PROPENSITY SCORE MATCHING STUDY
C. Guo, C. Liu, J. Mei, Y. Zhu, F. Lin, L. Liu
Chengdu/CN

P-104
IMPACT OF DIFFERENT TYPES OF LYMPHADENECTOMY COMBINED WITH DIFFERENT EXTENTS OF TUMOR RESECTION ON SURVIVAL OUTCOMES OF STAGE I NON-SMALL CELL LUNG CANCER: A LARGE COHORT REAL-WORLD STUDY
L.-J. Zhang, Y. Lin, W. Wang, Y. Wen, K. Xi, Y. Chen, X. Yu, G. Wang, Z. Huang, R. Zhang
Guangzhou/CN

P-105
SPREAD THROUGH AIR SPACE AFFECTS TUMOR RECURRENCE IN PATIENTS WHO UNDERWENT SEGMENTECTOMY FOR LUNG CANCER
Tokyo/JP

P-106
VIDEO-ASSISTED VERSUS THORACOTOMY SLEEVE LOBECTOMY FOR NON-SMALL-CELL LUNG CANCER: A PROPENSITY MATCHED ANALYSIS
H.-J. Gao, G.-D. Shi, Y.-C. Wei
Qingdao/CN

P-107 WITHDRAWN
A DUAL VISUALIZATION OF A PULMONARY NODULE AND A SEGMENTAL PLANE USING INDOCYANIN GREEN (ICG) DURING PULMONARY SEGMENTECTOMY
Y. Kim¹, H.K. Kim²
¹Atlanta/US, ²Seoul/KR

POSTERS SESSION IV
MONDAY 10 JUNE 2019 12:30 - 13.30 h
EXHIBITION AREA

P-108 - P-122
Chairperson: Donna Eaton (Dublin/IE)
Topic: Pulmonary Neoplastic

P-108
CLINICAL IMPACTS OF MICROPAPILLARY AND SOLID PATTERNS IN STAGE IA LUNG ADENOCARCINOMAS MEASURING ≤ 3 CM
Y. Shen, Y. Huang, L. Zhang, C. Wu, G. Jiang
Shanghai/CN
POSTERS

P-109
RECURRENT AND ITS PROGNOSTIC FACTORS IN PATIENTS WITH CLOSE PARENCHYMAL RESECTION MARGIN AFTER SEGMENTECTOMY FOR STAGE I LUNG CANCER
Seoul/KR

P-110
CLINICAL IMPLICATIONS OF UNCERTAIN RESECTION BASED ON THE METASTASIS OF HIGHEST OR LOWEST N2 LYMPH NODE AFTER SURGICAL TREATMENT OF NON-SMALL CELL LUNG CANCER
Seoul/KR

P-111
DRIVERS OF RAPID INCREASE IN LUNG CANCER SURGERY VOLUMES IN CHINA 2010-2015: RELATIVE ROLES OF VIDEO-ASSISTED THORACOSCOPIC SURGERY, SUBLOBAR RESECTION, AND CT SCREENING OF ASYMPTOMATIC INDIVIDUALS
H. Ding, A. Sihoe*, D. Xie, G. Jiang, H. Wang
Shanghai/CN

P-112
PULMONARY METASTASECTOMY FOR COLORECTAL CANCER: ASSESSMENT OF THE PULMICC RISK GROUP SCORE
1Sheffield/UK, 2Au/UK

P-113
SAFETY AND RELIABILITY OF COMPUTED TOMOGRAPHY-GUIDED LIPIODOL MARKING FOR UNDETECTABLE PULMONARY LESIONS BEFORE VIDEO-ASSISTED THORACIC SURGERY: A MULTICENTER STUDY OF 1182 LESIONS IN 867 PATIENTS

P-114
SECOND PRIMARY LUNG CANCER IN PATIENTS WITH PREVIOUS LYMPHOMA
¹Naples/IT, ²Rome/IT, ³Foggia/IT, ⁴Parma/IT, ⁵Reggio Emilia/IT, ⁶Orbassano/IT, ⁷Milan/IT, ⁸Perugia/IT

P-115
PROGNOSTIC SCORE FOR SURVIVAL IN PULMONARY CARCINOCIDS: THE ROLE OF LYMPH-NODE STATUS
¹Rome/Italy, ²Reggio Emilia/Italy, ³Milan/Italy, ⁴Genoa/Italy, ⁵Chieti/Italy, ⁶Turin/Italy

P-116
HOSPITAL READMISSIONS AFTER PULMONARY RESECTION: POST-DISCHARGE NURSING TELEPHONE ASSESSMENT IDENTIFIES HIGH RISK PATIENTS
¹Cincinnati/US, ²Houston/US

P-117
PREOPERATIVE PREDICTION OF SPREAD THROUGH AIR SPACES IN NON-SMALL CELL LUNG CANCER
S. Shiono, M. Endo, K. Suzuki, K. Hayasaka, N. Yanagawa
Yamagata/JP

P-118
LOBE-SPECIFIC LYMPH NODE METASTASIS CHARACTERISTICS IN DIFFERENT CLINICAL STAGES OF NON-SMALL CELL LUNG CANCER PATIENTS: A RETROSPECTIVE STUDY FROM 6421 RESECTED CASES
W. Jiao, X. Sun
Qingdao/CN
POSTERS

P-119
OUTCOME OF RESECTED STAGE IIB-III BRONCHIAL CARCINOIDs: LESSON LEARNED FROM A MULTICENTRIC EUROPEAN EXPERIENCE
P.L. Filosso1, E. Ruffini1, V.A. Nigra1, L. FOURNEL2, M.P. Brizzi1, F. Guerrero1, A. La Salvia3, A. Lupo4, P. Lyberts4, F. Ardissone3, P.O. Lausi1, M. Alifano2
1Torino/IT, 2Paris/FR, 3Orbassano/IT

P-120
VARIATION IN CLINICAL STAGING AND TREATMENT RECOMMENDATIONS BETWEEN DIFFERENT TUMOR BOARDS IN PATIENTS WITH LOCALLY ADVANCED NON-SMALL CELL LUNG CANCER
F. Hoeijmakers1, D. Heineman2, N. Beck1, J. Daniels2, M. Wouters2, W. Schreurs2; 1Leiden/NL, 2Amsterdam/NL, 3Alkmaar/NL

P-121
DESCRIPTIVE STUDY OF SURGICAL PATIENTS IN A LUNG CANCER SCREENING PROGRAMME USING LOW DOSE COMPUTED TOMOGRAPHY
M. Mesa-Guzman, J. Gonzalez, J.P. De Torres, G. Bastarraka, J. Zulueta
Pamplona/ES

P-122
ADJUVANT CISPLATIN-BASED CHEMOTHERAPY IN PATIENTS WITH SURGICAL RESECTED EARLY STAGE IB NON-SMALL CELL CANCER. TIME TO RE-THINK?
D. Liounnas, E. Metaxas, G. Benakis, I. Stamatakos, S. Zaragkas, K. Bouboulis, N. Tzatzadakis, A. Stathoulopoulos, P. Tomos
Athens/GR

P-123 - P-139
Chairperson: Atilla Enyedi (Debrecen/HU)
Topic: Pulmonary Non-neoplastic

P-123
COMPARATIVE EFFECTIVENESS OF THE DIAPHRAGMOPLASTY FOR BRONCHIAL STUMP REINFORCEMENT IN CASES OF RIGHT PNEUMONECTOMY FOR PROGRESSION MYCOBACTERIAL LUNG DESTRUCTION
P. Yablonskii, A. Avetisyan, G. Kudriashov, I. Serezvin, I. Vasilev, A. Chausov
Saint Petersburg/RU

P-124
OUTCOME OF PLEURODESIS IN 200 CONSECUTIVE CASES USING OK-432 IN MANAGEMENT PROLONGED AIR LEAKAGE FOLLOWING LUNG RESECTION
K. Komori
Izunokuni City/JP

P-125
SURGICAL RESECTION OF INTRALOBAR PULMONARY SEQUESTRATION IN ADULT VIA VIDEO-ASSISTED THORACOSCOPIC SURGERY
Qingdao/CN

P-126
THE SAFETY AND FEASIBILITY OF THORACOSCOPIC UNCOMMON PULMONARY SEGMENTECTOMY
H. Igai, M. Kamiyoshihara, R. Yoshikawa, F. Ohsawa, T. Yazawa
Gunma/JP

P-127
RISK FACTORS FOR MORBI-MORTALITY IN PNEUMONECTOMIES FOR BENIGN DISEASES: A MULTICENTRIC STUDY
A. Moumen1, N.O. Ermerak2, S. Boubia1, N. Idelhaj1, A. Fatene1, M. Ridai1, G.G. Tiryaki2, T. Lacin2, M. Yuksel2
1Casablanca/MA, 2Istanbul/TR
P-128  
**SINGLE INCISION VATS LOBECTOMY FOR CONGENITAL PULMONARY MALFORMATIONS IN INFANTS AND CHILDREN YOUNGER THAN 2 YEARS OLD**  
S. Halezeroglu, G. Ergene, E. Okur  
Istanbul/TR

P-129  
**DOES THE AMOUNT OF CHEST TUBE PLEURAL DRAINAGE AFTER THORACIC INTERVENTIONS PREDICT THE RECURRENCE OF PLEURAL EFFUSION REQUIRING RE-INTERVENTION? A PROSPECTIVE PILOT STUDY**  
M. Rodriguez¹, R. Garza-Castillón², J.N. Tarascio², S.A. Hirji², S.J. Mentzer²  
¹Madrid/ES, ²Boston/US

P-130  
**CLINICAL SIGNIFICANCE AND HISTOPATHOLOGICAL FINDINGS OF STAPLE LINE COVERAGE WITH OXIDIZED REGENERATED CELLULOSE SHEET AFTER BULLECTOMY FOR PRIMARY SPONTANEOUS PNEUMOTHORAX**  
S. Nagata¹, R. Miyata², K. Tokushige¹, T. Nakanishi¹, H. Motoyama¹, M. Omasa¹  
¹Kobe/JP, ²Kyoto/JP

P-131  
**RISK FACTOR AND MORTALITY OF BRONCHOPLEURAL FISTULA IN 3014 CONSECUTIVE PATIENTS UNDERGOING ANATOMICAL PULMONARY RESECTION**  
T. Matsunaga, K. Suzuki, K. Takamochi, S. Oh  
Tokyo/JP

P-132  
**PATIENTS AND SURGICAL PROCEDURE TRENDINGS IN ANATOMICAL LUNG RESECTION FOR PRIMARY LUNG NEOPLASMS ALONG 25 YEARS OF THORACIC SURGERY**  
Salamanca/ES

P-133  
**FREQUENCY OF DISTAL DEEP VEIN THROMBOSIS IN THE EARLY POST-OPTERATIVE PERIOD IN PATIENTS AFTER THORACIC SURGERY**  
Y. Li  
Shanghai/CN

P-134  
**EFFECT OF POSTOPERATIVE HEMOGLOBIN VARIATION ON MAJOR CARDIOPULMONARY COMPLICATIONS IN HIGH-RISK PATIENTS UNDERGOING ANATOMICAL LUNG RESECTIONS**  
E.M. Minerva, S. Cafarotti, F. Mongelli, L. Gavino, R. Inderbitzi, M. Previsdomini, M. Patella  
Bellinzona/CH

P-135  
**OBESITY IS NOT A CONTRAINDICATION FOR AWAKE VIDEO-ASSISTED THORACIC SURGERY (VATS) IN PATIENTS WITH INTERSTITIAL LUNG DISEASE. A COMPARATIVE MULTICENTER STUDY**  
F. Guerrera¹, A. Viti², L. Costardi¹, P. Bertoglio², P. Lyberis¹, G. Verri¹, E. Ceraolo¹, G. Rosboch¹, C. Albera¹, P.L. Filosso¹, A.C. Terzi², L. Brazzi¹, E. Ruffini¹  
¹Torino/IT, ²Negrar/IT

P-136  
**REOPERATION AND PNEUMONECTOMY ARE STRONGLY ASSOCIATED TO FAILURE TO RESCUE AFTER ANATOMICAL LUNG RESECTION**  
Salamanca/ES

P-137  
**IS AWAKE VIDEO-ASSISTED THORACIC SURGERY (VATS) SUPERIOR TO INTUBATED VATS FOR LUNG BIOPSIES IN PATIENTS WITH INTERSTITIAL LUNG DISEASE? A COMPARATIVE PROPENSITY-SCORE ADJUSTED PROSPECTIVE STUDY**  
Torino/IT
P-138
CONFOUNDERs COULD LEAD TO CONCLUDE THAT VATS APPROACH IS CAUSING A DECREASE IN THE PREVALENCE OF MAJOR MORBIDITY AFTER LUNG RESECTION
Salamanca/ES

P-139
WHAT IS THE POSTOPERATIVE RESPIRATORY RISK OF E-CIGARETTE USERS?
F. Leo, D. Angelescu, N. Cauziol, J.Y. Delhoume
Périgueux/FR

POSTERS SESSION IV
TUESDAY 11 JUNE 2019 13:00-14:00 h
EXHIBITION AREA

P-140 - P-156
Chairperson: József Furak (Szeged/HU)
Topics: Airway
Chest Wall

P-140
REGIONAL PULMONARY FUNCTION AFTER SEGMENTECTOMY IN RIGHT UPPER LOBE IN CSTAGE I NON-SMALL CELL LUNG CANSERS
Y. Sugita, H. Kuroda, N. Sakakura, Y. Sakao
Nagoya/JP

P-141
IDIOPATHIC SUBGLOTTIC LARYNGOTRACHEAL STENOSIS IS REGULARLY ASSOCIATED WITH MARKED EXPRESSION OF ESTROGEN AND PROGESTERONE RECEPTORS
D. Kraus1, J. Schweipert2, S. Barth1, V. Bonkowsky1, J.E. Balandat1;1Nürnberg/DE, 2Coswig/DE

P-142
TRANSSTERNAL TRANSPERICARDIAL APPROACH FOR POST PNEUMONECTOMY BRONCHO PLEURAL FISTULAE
K. Ali, S. Bal
New Delhi/IN

P-143
ENDOSCOPIC VERSUS SURGICAL MANAGEMENT OF TRACHEAL STENOSIS: HOW TO AVOID UNNECESSARY SURGERY
K. Grigorovica, A. Bistrova, D. Breiva, I. Tracums, E. Prozorovskis, M. Gaidukova, A. Spaks
Riga/LV

P-144
THE VOLUME RATIO OF RIGHT MIDDLE LOBE / RIGHT UPPER LOBE IS RELATED TO THE RISK OF MIDDLE LOBE BRONCHUS KINKING AFTER RIGHT UPPER LOBECTOMY

P-145
PREOPERATIVE PEAK EXPIRATORY FLOW IS A PREDICTOR FOR POSTOPERATIVE PULMONARY COMPLICATIONS IN LUNG CANCER PATIENTS UNDERGOING LOBECTOMY
K. Zhou
Chengdu/CN

P-146
THE GUARDIAN CHIN STITCH AFTER (LARYNGO-)TRACHEAL RESECTIONS: AN EVIDENCE-BASED OR TRADITIONAL MANEUVER?
T. Schweiger1, I. Roesner1, I. Rodrigues2, M. Evermann1, S. Schwarz1, A. Benazzo3, D.-M. Denk-Linnert4, W. Klepetko1, K. Hoetzenecker5;1Vienna/AT, 2Sao Paoulo/BR

P-147
THE USE OF HYPERBARIC OXYGEN THERAPY IN THE MANAGEMENT OF TRACHEAL AND ESOPHAGEAL ANASTOMOTIC COMPLICATIONS
L. Tapia, C. Wright, M. Lanuti, A. Muniappan, D. Mathisen
Boston/US

P-148
MANAGEMENT OF PREGNANCY-ASSOCIATED IDIOPATHIC LARYNGOTRACHEAL STENOSIS
L. Tapia, T. Rogan, C. Wright, D. Mathisen
Boston/US
POSTERS

P-149
MIR-21 UP-REGULATION IN ACQUIRED LARYNGOTRACHEAL STENOSIS AND IDIOPATHIC LARYNGOTRACHEAL STENOSIS
N. Miyahara, A. Benazzo, T. Schweiger, W. Klepetko, K. Hoetzenecker; Vienna/AT

P-150
ARE RISK SCORES RELEVANT TO IMPROVE THE SURGICAL OUTCOMES IN MULTIPLE RIB FRACTURES?
1Strasbourg/FR, 2Besancon Cédez/FR

P-151
ANTIBIOTIC LOADED CERAMIC STERNUM FOR STERNAL REPLACEMENT DURING REFRACTORY DEEP STERNAL WOUND INFECTION. ABOUT 3 CASES
J. Tricard, A. Chermat, E. Denes, S. El Balkhi, F. Bertin; Limoges/FR

P-152
PLATES OR STRUTS VERSUS AN EXTRACORTICAL RIB FIXATION IN FLAIL CHEST PATIENTS: TWO-CENTER EXPERIENCE
D. Divisi, M. Barone, G. Zaccagna, P. Camплеse, W. Di Francescantonio, F. Mucilli, R. Crisci
1Teramo/IT, 2Chieti/IT

P-153
R3+R4 VERSUS R3 SYMPATHICOTOMY FOR PALMAR AND PLANTAR HYPERHIDROSIS WHICH ONE IS MORE BETTER?
C. Yang, H. Mao, H. Bai, H. Wu; Shenzhen/CN

P-154
OBJECTIVE EVALUATION OF THORACIC FUNCTION AFTER CHEST WALL RESECTION BY USING LUNG VOLUMETRY

P-156
CAN SURGICAL REPAIR FOR PECTUS EXCAVATUM CONTRIBUTE TO LUNG GROWTH?

POSTERS SESSION IV
TUESDAY 11 JUNE 2019  13:00-14:00 h
EXHIBITION AREA

P-157 - P-171
Chairperson: Athanasios Kleontas (Thessaloniki/GR)
Topic: Esophagus

P-157
A SURGICAL APGAR SCORE (SAS)-BASED NOMOGRAM FOR PREDICTING MAJOR MORBIDITY AFTER ESOPHAGECTOMY IN PATIENTS WITH ESOPHAGEAL CARCINOMA
Y. Xi, W. Shen; Ningbo/CN

P-158
PROGNOSTIC SIGNIFICANCE AND ROLE OF THORACIC LYMPH NODE METASTASIS BASED ON CHINESE EXPERT CONSENSUS IN ESOPHAGEAL CANCER
Q.-X. Shang, L.-Q. Chen; Chengdu/CN

P-159
CLINICAL UTILITY OF ROBOT-ASSISTED TRANSTHORACIC ESOPHAGECTOMY IN ADVANCED ESOPHAGEAL CANCER AFTER NEOADJUVANT CHEMORADIATION THERAPY

P-160
RADICAL THREE-FIELD LYMPHADENECTOMY STILL THE BEST OPTION FOR ESOPHAGEAL CANCER WITH EXTENSIVE LYMPH NODE INVOLVEMENT?
A. Ashok, C.S. Pramesh, S. Jiwnani, G. Karimundackal; Mumbai/IN
POSTERS

P-161  
TUMOR LOCATION IS AN INDEPENDENT PROGNOSTIC FACTOR OF ESOPHAGEAL ADENOCARCINOMA BASED ON THE EIGHTH EDITION OF TNM STAGING SYSTEM IN CHINESE PATIENTS  
Y. Lin  
Chengdu/CN

P-162  
SURGICAL TECHNIQUE AFFECTING CERVICAL ANASTOMOSIS HEALING IN THE TREATMENT OF ESOPHAGEAL CARCINOMA  
Y. Lin , J. Luo  
Chengdu/CN

P-163  
RECOMMENDATION OF THE OPTIMAL PLANNED TIME OF DISCHARGE FOR PATIENTS UNDERGOING ESOPHAGECTOMY WITH IMPLEMENTATION OF ENHANCED RECOVERY AFTER SURGERY PROGRAM  
Q. Fang , K. Wang, Y. Han  
Chengdu/CN

P-164  
LONG TERM OUTCOMES OF LAPAROSCOPIC HELLER’S CARDIOMYOTOMY IN ACHALASIA CARDIA WITH MEGA ESOPHAGUS  
M. Bale , R. Parshad, A. Modi, S. suhani, R. Sharma, G. Makharia  
New Delhi/IN

P-165  
HSA_CIRC_RNA_100873 UPREGULATION IS ASSOCIATED WITH INCREASED LYMPHATIC METASTASIS OF ESOPHAGEAL SQUAMOUS CELL CARCINOMA  
Fuzhou/CN

P-166  
DEFINITIVE RESULTS OF THE HELLER MYOTOMY ASSOCIATED WITH THE DOR FUNDUPLICATION PERFORMED WITH INTRAOPERATIVE MYOTOMY FOR THE PRIMARY SURGICAL TREATMENT OF ESOPHAGEAL ACHALASIA: ONE CENTER EXPERIENCE  
V. Tassi , M. Lugaresi, B. Mattioli, N. Daddi, R. Potenza, V. Pilotti, S. Mattioli  
1Bologna/IT, 2Ravenna/IT

P-167  
ANGLE OF HIS ACCENTUATION AS AN ANTIREFLUX SURGERY FOR PATIENTS UNDERGOING LAPAROSCOPIC HELLER’S CARDIOMYOTOMY FOR ACHALASIA: EXPERIENCE OF 100 CASES  
R. Parshad , M. Bale, A. Modi, H. Bhattacharjee, S. Suhani, G. Makharia, R. Sharma  
New Delhi/IN

P-168  
HEALTH-RELATED QUALITY OF LIFE AND SURVIVAL AMONG 10-YEAR SURVIVORS OF ESOPHAGEAL CANCER SURGERY: GASTRIC TUBE RECONSTRUCTION MAKES BETTER RESULT  
M. Zhang  
Chongqing/CN

P-169  
PROGNOSTIC IMPACT OF CIRCUMFERENTIAL RESECTION MARGIN IN PATHOLOGIC T3 ESOPHAGEAL SQUAMOUS CELL CARCINOMA WITH OR WITHOUT NEOADJUVANT CHEMORADIOTHERAPY  
C.-Y. Liu , P.-K. Hsu, C.-P. Hsu  
1New Taipei City/TW, 2Taipae/TW, 3Taichung City/TW

P-170  
EARLY AND MID-TERM OUTCOMES OF TOTALLY ROBOTIC ESOPHAGEAL SURGERY: A PROPENSITY SCORE MATCHED ANALYSIS WITH HYBRID ROBOTIC ESOPHAGEAL SURGERY  
Seoul/KR

P-171  
A 33-YEAR EXPERIENCE OF COLONIC INTERPOSITION FOR ESOPHAGEAL REPLACEMENT: A WELL CODIFIED MAJOR PROCEDURE  
Marseille/FR
P-177
ANASTOMOTIC LEAK DOES NOT PREDICT WORSE LONG-TERM SURVIVAL AFTER RADICAL RESECTION FOR ESOPHAGEAL SQUAMOUS CELL CARCINOMA: A PROPENSITY-MATCHED ANALYSIS
L. Xue, G. Yao, C. Zhan, Q. Wang, L. Tan, H. Fan
Shanghai/CN

P-178
EFFECTS OF PREOPERATIVE NUTRITIONAL SUPPORT FOR ESOPHAGECTOMY ON POSTOPERATIVE OUTCOMES: A META-ANALYSIS
Y. Cao, D. Han, J. Xiang, L. Zhu, J. Hang, H. Li
Shanghai/CN

P-179
NATIONAL TRENDS AND PERIOPERATIVE OUTCOMES OF ROBOTIC ESOPHAGECTOMY FOLLOWING INDUCTION CHEMORADIATION: A PROPENSITY SCORE MATCHING COMPARISON WITH OPEN APPROACH
M. Kamel, M. Rahouma, B. Lee, S. Harrison, B. Stiles, N. Altorki, J. Port
New York/US

P-180
EXPLORATION OF METHYLATION-DRIVEN GENES FOR PROGNOSIS OF PATIENTS WITH ESOPHAGEAL SQUAMOUS CELL CARCINOMA
J. Jiang, D. Lu, X. Liu, H. Wang, S. Feng, X. Dong, X. Shi, K. Cai; Guangdong/CN

P-181
THE ROLE OF TUMOR ANGIOTROPISM IN DESIGNING SURGICAL STRATEGIES OF LUNG METASTASIS
I. Mindrila, I. Dragan, C. Predoi, A. Demetrian, B. Mindrila, A.S. Buteica
Craiova/RO

P-182
ANALYSIS OF IMMUNE CELLS IN AN ORTHOTOPIC IMMUNOCOMPETENT RAT MODEL OF MALIGNANT PLEURAL MESOTHELIOMA
M. Meerang, Q. Lauk, M.B. Kirschner, V. Orlowski, C. Virginia, M. van den Broek, W. Weder, I. Opitz
Zurich/CH
POSTERS

P-183
THE ONCOGENESIS ENGINE IS MORE THAN ONE IN PRIMARY LUNG CANCER
Y. Yang, G. Jiang
Shanghai/CN

P-184
INITIATING AND SPREADING LUNG TRANSPLANT RESEARCH BY A STRUCTURED MICROSURGICAL MOUSE TRANSPLANT COURSE
Y. Yamada¹, T. Maeyashiki², J.-H. Jang³, H. Date¹, W. Weder², W. Jungrathmayr³
¹Kyoto/JP, ²Zurich/CH, ³Rostock/DE

P-185
A NEW POSTOPERATIVE TREATMENT STRATEGY FOR ADVANCED LUNG CANCER DEPEND ON THE EXPRESSION OF ANTI-AGING GENE, KLOTHO
K. Takegahara, J. Usuda
Tokyo/JP

P-186
A NOVEL LONG NONCODING RNA, LINC00680, REGULATES MIGRATION AND INVASION AND PREDICTS NEGATIVE PROGNOSIS IN ESOPHAGEAL SQUAMOUS CELL CARCINOMA
Fuzhou/CN

P-187
PREDICTIVE MARKERS IN MALIGNANT PLEURAL MESOTHELIOMA
K. Oehl¹, B. Vrugt¹, U. Wagner¹, M.B. Kirschner¹, M. Meerang¹, W. Weder¹, E. Felley-Bosco¹, B. Wollscheid¹, J. Opitz¹, P.J. Wild²
¹Zurich/CH, ²Frankfurt/DE

P-188
DETECTION OF CIRCULATING TUMOR CELLS IN POTENTIALLY RESектABLE ADENOCARCINOMA OF THE DISTAL ESOPHAGUS AND THE GASTRO-ESOPHAGEAL JUNCTION IS NOT INCREASED IN PORTAL VENOUS BLOOD SAMPLES COMPARED TO PERIPHERAL VENOUS BLOOD SAMPLES
L. Depypere¹, A. Philippron², K. De Preter², W. Coosemans¹, H. Van Veer¹, P. Pattyn², P. Nafteux¹
¹Leuven/BE, ²Gent/BE

P-189
MALIGNANT PLEURAL MESOTHELIOMA ORGANOID AND PATIENT DERIVED XENOGRAFTS (PDX): NEW FRONTIERS OF IN VIVO AND IN VITRO MODELS TO STUDY DRUG SENSITIVITY AND TUMOR ENVIRONMENT
Parma/IT

P-190
THE DIAGNOSTIC AND PROGNOSTIC ROLE OF MI RNA-221 AND MI RNA-126 IN PATIENTS WITH UTERINE LEIOMYOMA/BEINIG METASTASIZING LEIOMYOMA OF THE LUNG AND LOW-GRADE PULMONARY LEIOMYSARCOMA
L. Ventura, L. Gnetti, C. Braggio, G. Bocchialini, V. Costantino, L. Musini, M. Tiseo, P. Carbognani, E.M. Silini, M. Rusca, P. Mozzi, L. Ampollini
Parma/IT

P-191
CD8+ T CELL EXHAUSTION THROUGH PD1 PATHWAY LINKS CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND THE DEVELOPMENT LUNG CANCER
Y. Jiang, X. Zhou
Shanghai/CN
POSTERS

P-192
DONOR OR RECIPIENT? LINEAGE-TRACING THE ORIGIN OF MYOFIBROBLASTS IN A MODEL OF BRONCHIOLITIS OBLITERANS SYNDROME
P. Di Campli1, A. Assabban1, J. Scailliet1, A. Van Keymeulen2, A. Le Moine2, P. Le maître2, S. Goriely1
1Gosselies/BE, 2Brussels/BE, 3Toronto/CA

P-193
OPPIOD FREE ANAESTHESIA IS FEASIBLE AND SAFE IN PATIENTS UNDERGOING PULMONARY RESECTION
Cambridge/UK

P-194
PROLONGED POSTOPERATIVE AIR LEAK DUE TO AUTOLOGOUS FIBRIN SEALANT?
F. Weigold, W. Klemm, G. Leschber
Berlin/DE

P-195
LVRS: IMPROVEMENT IN PULMONARY FUNCTION AND PATIENT REPORTED OUTCOMES IN 174 RECENT CASES
B. Ripoll1, A. Nash, G. Aresu, A. Peryt, J. Parmar, R. Mahadeva, A. Coonar
Cambridge/UK

P-196
COMPARISON OF NON-INTUBATED UNIPORTAL VIDEO-ASSISTED THORACOSCOPIC (NI-UVATS) WEDGE RESECTION VERSUS UNIPORTAL VIDEO-ASSISTED THORACOSCOPIC (UVATS) WEDGE RESECTION; COULD BE NI-UVATS A STANDARD PROCEDURE?
H. Mahoozi
Pinneberg/DE

P-197
INTRAOPERATIVE NAVIGATION SYSTEM FOR VATS SEGMENTECTOMY; IRT WITH ICG AND INTRAOPERATIVE CT
Kagawa/JP

P-198
CONE-BEAM CT NAVIGATION FOR LOCALIZING SMALL PULMONARY NODULES
Y. Saito
Saitama/JP

P-199
ISOLATED CARINAL RESECTION: A NEW WAY OF ANATOMICAL RECONSTRUCTION AND THE SITUATION NOW THREE YEARS LATER
S. Von Weihe, M. Oldigs, C. Kugler
Grosshansdorf/DE

P-200
DELAYED RETURN TO NORMAL OXYGENATION AFTER ONE-LUNG VENTILATION SURGERY: IMPLICATIONS FOR ERAS
B. Kidane, G. Buduhan, L. Tan, S. Srinathan
Winnipeg/CA

P-201
FIBRIN SEALANT PLEURODESIS VERSUS TALC POUDRAGE IN RECURRENT SPONTANEOUS PNEUMOTHORAX
G. Baietto1, S. Parini, F. Massera, O. Rena, E. Papalia, C. Casadio
Novara/IT

P-202
DEVELOPMENT OF NOVEL POLLOCK GELATIN SEALANT WITH HIGH ADHESIVE QUALITY AND CONFORMABILITY
N. Maki1, Y. Sato, M. Yamaoka, A. Wijesinghe, S. Sato, T. Yanagihara, N. Kobayashi, S. Kikuchi, Y. Goto, T. Taguchi2
Tsukuba/JP

P-203
INTRAOPERATIVE LUNG ULTRASOUND FOR DETECTION AND CHARACTERIZATION OF PULMONARY NODULES IN VIDEOHOROSCOPIC ASSISTED THORACIC SURGERY (VATS)
E. Frongillo1, M. Sperandeo1, C. Cipriani2, M.A. Bizzarri1, D. Greco1, S. De Cosmo1, M. Taurchini
1San Giovanni Rotondo/IT, 2Roma/IT
P-204
INTRAVENOUS INDOCYANINE GREEN VISUALIZATION DURING FLUORESCENCE IMAGING FOR SEGMENTAL PLANE IDENTIFICATION IN THORACOSCOPIC ANATOMICAL SEGMENTECTOMY - EVALUATION OF INTERSEGMENTAL VISIBILITY BY 4TH GENERATED FLUORESCENCE IMAGING -
H. Kuroda, K. Nakanishi, N. Sakakura
Nagoya/JP

P-205
OBJECTIVE AND PATIENT-REPORTED OUTCOMES AFTER LUNG RESECTION SURGERY ARE IMPROVED BY DIGITAL CHEST DRAINAGE SYSTEMS COMPARED TO TRADITIONAL WATER SEAL SYSTEMS: RESULTS FROM A PROSPECTIVE MULTICENTER DATABASE IN CHINA
A. Sihoe¹, V. Fang², L. Liu², H. Liao², L. Liu², J. Feng², J. Zhang¹
¹Shenzhen/CN, ²Shanghai/CN, ³Chengdu/CN

P-206
HYBRID THEATRE CT SUPPORTS VIDEO ASSISTED THORACOSCOPIC SURGERY (IVATS) WITH PULMONARY NODULE ISOLATION: EARLY EXPERIENCE OF A NOVEL TECHNIQUE
B. Shanahan, M. Egan, M. Le Gear, P. Ellis, K. Redmond
Dublin/IE

P-207
PNEUMOSTOMY: AN OPERATIVE PROPOSAL - PILOT STUDY
Sao Paulo/BR

P-208
UNIPORTAL THORACOSCOPIC APPROACH FOR ESOPHAGEAL CANCER: FEASIBILITY AND OUTCOME
H. Batirel, A.F. Durusoy, C. Cetinkaya, Z. Bilgi, B. Sayan, S. Aslan
Istanbul/TR

P-209
TAILORED INTRAOPERATIVE LOCALIZATION OF NON-PALPABLE PULMONARY LESIONS USING HYBRID OPERATING ROOM TECHNOLOGY/FROM SINGLE TO DUAL MARKER AND FROM PERCUTANEOUS TO ENDOBRONCHIAL APPROACH
O.Q.Y. Leow, Y.K. Chao
Taoyuan/TW

P-210
THE FIRST BERLIN NET-REGISTRY FOR LUNG CARCINOID - A MULTICENTER EXPERIENCE OF SURGICAL TREATMENT
K. Blazejczyk¹, G. Leschber¹, S. Diedrich², J. Pfannschmidt³, S. Kurz³
¹Berlin/DE, ²Greifswald/DE

P-211
CONBEAM CT-GUIDED PULMONARY MARKING DURING OPERATION IN 123 PATIENTS WITH SMALL NON-PALPABLE PULMONARY NODULES
M. Mitsuoka, M. Kashihara, T. Nishi, T. Hashiguchi, S. Takamori, Y. Akagi
Fukuoka/JP

P-212
A PROSPECTIVE PLUS RETROSPECTIVE STUDY ON THROMBOPROPHYLAXIS AFTER THORACIC SURGERY IN CHINESE PATIENTS
L. Shen, Y. Li
Shanghai/CN

P-213
A NOVEL TECHNIQUE FOR IDENTIFICATION OF THE SEGMENTS BASED ON PULMONARY ARTERY PLANE COMBINED WITH OXYGEN DIFFUSING DISCREPANCY
Y. Zhao, Y. Qin, T. Qiu, Y.-P. Xuan, J.-F. Song, Z.-J. Niu, W. Jiao
Qingdao/ND

P-214
AN INITIAL EXPERIENCE WITH IN VIVO PERFUSION FLUORESCENCE AND FIREFLY® NEAR INFRARED THORACOSCOPY TO TARGET ROBOTIC ASSISTED LUNG VOLUME REDUCTION SURGERY
R. Baranowski, G. Luciano, L. Ashrafian, A.-R. Dhanji, D. Waller, S. Stamenkovic
London/UK
POSTERS

P-215
A NEW TRAINING SIMULATOR FOR THORACOSCOPIC MANIPULATIONS OF PULMONARY MAJOR VESSELS
Fukuoka/JP

P-216
NEW CYANOACRYLATE-BASED NEBULIZING SEALANT IN THE PREVENTION OF POSTOPERATIVE AIRLEAKS AFTER THORACIC SURGERY: A PROPENSITY SCORE MATCHED ANALYSIS
G. Perroni, F. Tacconi, G.L. Natali, V. Ambroggi
Rome/IT

P-217
VALIDITY OF THE PASSMAN MODEL TO PREDICT ATRIAL FIBRILLATION AFTER THORACIC SURGERY
H. Smith, A. Seely, D. Maziak, S. Gilbert, P. Villeneuve, S. Sundaresan, F. Shamji, C. Yeung, O. Brandts-Longtin, H. Li
Ottawa/CA

P-218
AN EASY AND LESS INVASIVE DIAGNOSTIC TOOL AND TREATMENT FOR POSTOPERATIVE CHYLOTHORAX: LYMPHANGIOGRAPHY VIA INGUINAL LYMPH NODE-
Tokyo/JP

P-219
SINGLE-DIRECTION APPROACH FOR SINGLE OR COMBINED THORACOSCOPIC BASAL SEGMENTECTOMY: A RETROSPECTIVE REVIEW OF SINGLE-INSTITUTE EXPERIENCE
C. Liu, Q. Pu, J. Mei, F. Lin, Y. Zhu, Y. Lin, L. Liu
Chengdu/CN

POSTERS SESSION IV
TUESDAY 11 JUNE 2019 13:00-14:00 h
EXHIBITION AREA

P-220 - P-235
Chairperson: Apostolos Agrafiotis (Brussels/BE)
Topic: Innovative Work/New Techniques

P-220
SENSITIVITY OF THORACIC ULTRASOUND FOR POSTOPERATIVE PNEUMOTHORAX COMPARED TO CHEST X-RAY AFTER NON-CARDIAC THORACIC SURGERY: A PROSPECTIVE OBSERVATIONAL STUDY
Cologne/DE

P-221
EVALUATING THE REPORTING QUALITY OF ESTS CONFERENCE ABSTRACTS USING CONSORT GUIDELINES
S. Gysling, E. Caruana
Nottingham/UK

P-222
NEW PREOPERATIVE AND INTRAOPERATIVE AIRWAY MANAGEMENT TECHNIQUE IN TRACHEAL RESECTION FOR BENIGN STENOSIS
A. Akopov, M. Kovalev, A. Rusanov, A. Gerasin, N. Kazakov, S. Dvoreckiy, A. Ilyin
Saint-Petersburg/RU

P-223
SAFETY AND EFFICACY OF THE DENERVATION LEVEL (T3 VERSUS T4) IN THE TREATMENT OF PALMAR HYPERHIDROSIS: A SYSTEMATIC REVIEW AND META-ANALYSIS
1Bologna/IT, 2Rome/IT, 3Monza/IT, 4New York/IT, 5Milan/IT

P-224
LVRS OUTCOMES: 1-YEAR RISK OF DEATH AND LENGTH OF STAY SIGNIFICANTLY REDUCED IN RECENT PRACTICE AS COMPARED TO EARLIER UNIT OUTCOMES
B. Ripoll, A. Nash, G. Aresu, A. Peryt, J. Parmar, R. Mahadeva, A. Coonar
Cambridge/UK
POSTERS

P-225
EPITHELIALISATION OF THE INTRATHORACIC CAVITY WITH DERMATOAUTOPLASTY FOR PERMANENT OPEN WINDOW THORACOSTOMY
M. Takemura, H. Ishibashi, R. Wakejima, C. Takasaki, M. Kobayashi, K. Okubo
Tokyo/JP

P-226
ETHANOL RELEASE HEAT-GENERATING POLYMER-FOR FOCAL- THERAPY OF SMALL LUNG CANCERS
J. Shimada¹, K. Mori², K. Masamune³
¹Kyoto/JP, ²Nagoya/JP, ³Tokyo/JP

P-227
ACCURACY OF A 3D MEDICAL IMAGE ANALYZER AND INTRAOPERATIVE FLUORESCENCE IMAGE FOR SUBLOBAR RESECTION WITH TRANSBRONCHIAL INSTILLATION OF INDOCYANINE GREEN
Y. Sekine, E. Koh, H. Hoshino, H. Oheda
Yachiyo/JP

P-228
NERVE AT RISK—ANATOMICAL VARIATIONS OF THE INTRATHORACIC COURSE OF THE LEFT RECURRENT LARYNGEAL NERVE AND ITS IMPLICATIONS FOR THORACIC SURGEONS
C. Nq, C. Woess, H. Maier, V. Schmidt, P. Lucciarini, D. Oefner, W. Rabl, F. Augustin
Innsbruck/AT

P-229
THE USE OF ROBOTIC AND THORACOSCOPIC SURGICAL STAPLING DEVICES DURING MINIMALLY INVASIVE THORACIC SURGERY: A COMPARISON BETWEEN THESE TWO LESS-INVASIVE TECHNIQUES
D. Galetta, M. Casiraghi, L. Spaggiari
Milan/IT

P-230
USE OF TRANSCUTANEOUS ULTRASOUND FOR EVALUATING THE POSITION OF TRACHEAL STENT DEPLOYED FOR MANAGEMENT OF SUBGLOTTIC STENOSIS
A. Fiorelli, G. Messina, A. Izzo, S. Costanza, V. Ferraro, A. Noro, M. Bove, D. Testa, G. Motta, M. Santini
Naples/IT

P-231
EFFICACY AND SAFETY OF A SYNTHETIC SEALANT TISSUEPATCH FOR AIR LEAK AFTER PULMONARY RESECTION: A PROSPECTIVE, RANDOMIZED, PILOT STUDY
T. Homma
Toyama/JP

P-232
NOVEL METHOD FOR DETECTING PLEURAL MALIGNANCIES USING NEAR INFRARED IMAGING
C. Aruldas, A. Akopov, P. Garry
St Petersburg/RI

P-233
A NOVEL CT-GUIDED LOCALIZATION TECHNIQUE FOR SOLITARY PULMONARY NODULE BEFORE VIDEO-ASSISTED THORACOSCOPIC RESECTION: A PROSPECTIVE STUDY
F. Yao
Shanghai/CN

P-234
CONSTRUCTION AND VALIDATION OF THE MATHEMATICAL MODELS FOR PREDICTING THE PULMONARY BENIGN AND MALIGNANT NODULES
X. Yu, L.-J. Zhang
Guangzhou/CN

P-235
3D PRINTING FOR ANATOMICAL LUNG RESECTIONS
S. Sevillia-Lopez¹, C. Giraldo-Ospina², F. Cozar-Bernal³, C. Herraz-Montalvo¹, P. Carmona-Soto¹, F. Roman-Rodríguez¹, G. Carrasco-Fuentes¹, J. Bonilla-Alarcon¹, A. Bravo-Cerro³
¹Jaen/ES, ²Malaga/ES
POSTERS SESSION IV
TUESDAY 11 JUNE 2019 13:00-14:00 h
EXHIBITION AREA

P-236 - P-252
Chairperson: Katrin Welcker (Monchengladbach/DE)
Topics: Innovative Work/New Techniques
Mediastinum
Pleura

P-236
IMPROVED HEALING BY ADJUVANT OSTEOCONDUCTIVE THERAPY USING A NOVEL COTTON-LIKE HYDROXYAPATITE SHEET AFTER MEDIAN STERNOTOMY
Kyoto/JP

P-237
PERIOPERATIVE FENO LEVEL AS AN INDICATOR FOR POSTOPERATIVE PNEUMONIA IN SURGICAL LUNG CANCER PATIENTS: A PROSPECTIVE COHORT STUDY BASED ON 183 CASES
X. Wang, G. Che
Chengdu/CN

P-238
GENERATION OF A TISSUE ENGINEERED TRACHEA SUBSTITUTE BASED ON LASER PERFORATED DEVITALIZED TRACHEAL CARTILAGE
D. Baranovskii1, J. Demner1, S. Nünberger2, A. Lyindup3, M. Baumgartl1, H. Redl1, A. Barbero1, I. Martin1, D. Lardinois1
1Basel/CH, 2Vienna/AT, 3Moscow/RU

P-239
BETTER PATIENT-SELECTION FOR SMOOTH NON-INUTUBATED THORACOSCOPIC SURGERY: FROM A PERSPECTIVE OF AIRFLOW LIMITATION
Seoul/KR

P-240
CLINICO-PATHOLOGICAL PREDICTORS OF SURVIVAL IN SURGICALLY RESECTED THYMOMA: A 25-YEAR UK EXPERIENCE
L. Harling, C. Cavalli, T. Routledge, K. Harrison-Phipps, D. Nonaka, A. Bille
London/UK

P-241
RISK FACTORS OF UNEXPECTED PN2 AFTER ANATOMICAL LUNG RESECTION FOR NON-SMALL CELL LUNG CANCER: ANALYSIS OF 121 CONSECUTIVE CASES
Varese/IT

P-242
ROUTINE OR SELECTIVE LYMPH NODE DISSECTION DURING SURGERY FOR THYMIC EPITHELIAL TUMOR
M. Ulker, B. Çimenoğlu, T. Cosgun, E. Kaba, B. Özkan, A. Toker
Istanbul/TR

P-243
PRIMARY ANTerior MEDIASTINAL MUCOSA-ASSOCIATED LYMPHOID TISSUE LYMPHOMA: A CLINICO-PATHOLOGICAL STUDY OF 25 CASES
B. Lin, Z. Gu, Y. Fang
Shanghai/CN

P-244
VIDEO-ASSISTED THORACIC SURGERY IN MEDIASTINAL TUMOR RESECTION: IS A CHEST TUBE NECESSARY?
Kaohsiung/TW

P-245
SERUM CYTOKERATIN 19 FRAGMENT AND CARBOHYDRATE ANTIGEN 125 IN THYMIC MALIGNANCIES
X. Zhang, V. Fang
Shanghai/CN
POSTERS

P-246
IS MINIMALLY INVASIVE THYMECTOMY AN ACCEPTABLE APPROACH FOR LOCALLY ADVANCED THYMIC MALIGNANCIES: A PROPENSITY-MATCHED STUDY
Z. Gu, N. Xu, V. Fang
Shanghai/CN

P-247
EARLY CLINICAL OUTCOMES OF TRANS-SUBXIPHOID ROBOT-ASSISTED THYMECTOMY: PROPENSITY SCORE MATCHED ANALYSIS WITH LATERAL THORACIC APPROACH
Seoul/KR

P-248
CLINICAL SIGNIFICANCE OF PRE-TREATMENT PERIPHERAL NEUTROPHIL COUNT IN PATIENTS WITH THYMIC EPITHELIAL TUMOUR
Kyoto/JP

P-249
RISK FACTOR ANALYSIS OF RECURRENCE AND RECURRENCE PATTERN IN THYMO IDA AFTER SURGICAL RESECTION
Seoul/KR

P-250
WHICH ONE IS THE BEST STAGING SYSTEM FOR THYMOMA? “MASAOKA OR TNM”
T. Direk, G. Kocaman, B.M. Yenigün, M. Özkan, C. Yükse1, S. Enön, H. Kutlay, R.M. Akal, A. Kayı Cangır
Ankara/TR

P-251
EFFECTIVENESS OF MINI-OPEN VACUUM-ASSISTED CLOSURE THERAPY COMPARED WITH OPEN WINDOW THORACOSTOMY FOR TREATMENT OF STAGE III PLEURAL EMPYEMA
A. Wasum Mariani, J.B. Ribeiro Machado Lisboa, G. de Abreu Rodrigues, E. Moraes de Avila, R. Mingarini Terra, P.M. Pêgo-Fernandes
Sao Paulo/BR

P-252
POOR NUTRITIONAL STATUS NEGATIVELY INFLUENCES PROGNOSIS OF MALIGNANT PLEURAL MESOTHELIOMA PATIENTS UNDERGOING MULTIMODAL THERAPY
Zurich/CH

POSTERS SESSION IV
TUESDAY 11 JUNE 2019 13:00-14:00 h
EXHIBITION AREA

P-253 - P-266
Chairperson: Katarzyna Zanowska (Krakow/PL)
Topics: Pleura
Transplantation

P-253
TALC PLEURODESIS VERSUS PLEURECTOMY FOLLOWING BULLECTOMY FOR PRIMARY SPONTANEOUS PNEUMOTHORAX. A TWO-CENTRE, PROPENSITY-MATCHED STUDY
M. Gooseman1, A. Hussain2, N. Chaudhuri1, R. Milton1, P. Tcherveniakov1, A. Brunelli1, E. Kefaloynannis1, M. Chaudhry2, A. Cale3, S. Qadri2, M. Cowen2, V. Tentzeris3, M. Loubani2, K. Papagiannopoulos1
1Leeds/UK, 2Hull/UK

P-254
IMPLEMENTING CT TUMOR VOLUME AND CT PLEURAL THICKNESS INTO FUTURE STAGING SYSTEMS FOR MALIGNANT PLEURAL MESOTHELIOMA
Zurich/CH

P-255
CYTOREDUCTIVE SURGERY BY EXTENDEND P/D COMBINED BY INTRAOPERATIVE HITHOC SHOWS SUPERIOR OVERALL SURVIVAL COMPARED TO TRIMODAL EPP THERAPY IN EPITHELOID MESOTHELIOMA
L.V. Klotz1, E. Bulut1, C. Gruenewald1, F. Eichhorn1, M. Thomas1, T. Muley1, H. Winter1, H. Hoffmann1, M.E. Eichhorn1
1Heidelberg/DE, 2Munich/DE
POSTERS

P-256
SPONTANEOUS PNEUMOTHORAX: THE BENEFITS OF SURGICAL MANAGEMENT IN ASYMPTOMATIC CONTRALATERAL LESIONS
S. Saeteng¹, S. Siwachat¹, P. Methakittrakul¹, E. Taioli²
¹Chiang Mai/Thailand, ²New York/US

P-257
CLINICAL OUTCOME OF LOCULATED PARAPNEUMONIC EFFUSIONS MANAGED SURGICALLY OR BY INTRAPLEURAL FIBRINOLYSIS: A COMPARATIVE MULTICENTER STUDY
S. Federici¹, B. Bedat², E. Abdelnour¹, S. Dackam², J. Hayau¹,
M. Gonzalez¹, T. Krueger¹, F. Triponez², W. Kareievic², J. Perentes¹
¹Lausanne/CH, ²Geneva/CH

P-258
EFFICACY OF IODOPOVIDONE VERSUS TALC IN PALLIATIVE MALIGNANT PLEURAL EFFUSION: A RANDOMIZED CONTROLLED TRIAL STUDY
A. Tantraworasin¹, T. Phakharatkun¹, S. Siwachat¹, E. Taioli²,
S. Saeteng¹
¹Chiang Mai/TH, ²New York/US

P-259
LUNG DONATION IN PATIENTS WITH PREVIOUS CARDIAC SURGERY
B. Dunne, J. Pozniak, P. Lemaitre, Y. Watanabe, L. Donahoe, J. Yeung,
Toronto/CA

P-260
LUNG ALLOGRAFT PATHOLOGY AT TIME OF IMPLANTATION AND POST TRANSPLANT LONG TERM OUTCOMES
J. Costa, D. Piloni, A. Urso, S. De Michele, L. Benvenuto,
L. Shah, H. Robbins, J. Sonett, S. Arcasoy, F. D’Ovidio
New York/US

P-261
PREOPERATIVE RECIPIENT THORACIC CAGE VOLUME AND GRAFT VOLUME SIZE MATCHING MAY AFFECT POSTOPERATIVE PULMONARY FUNCTIONAL RECOVERY IN LIVING-DONOR LOBAR LUNG TRANSPLANTATION
H. Kayawake, T. Chen-Yoshikawa, S. Tanaka, Y. Yamada, Y. Yutaka,
A. Ohsumi, D. Nakajima, M. Hamaji, H. Date
Kyoto/JP

P-262
ANALYSIS OF IMPAIRED SLEEP QUALITY IN PATIENTS WAITLISTED FOR LUNG TRANSPLANTATION
J. Tokuno¹, T. Chen-Yoshikawa¹, T. Oga², T. Otto³, T. Okawa¹,
Y. Okada¹, M. Akiba¹, Y. Yamada¹, Y. Yutaka¹, A. Ohsumi³, D. Nakajima¹,
M. Hamaji¹, M. Isomi¹, K. Chin¹, H. Date¹
¹Kyoto/JP, ²Kurashiki/JP, ³Okayama/JP, ⁴Sendai/JP

P-263
OUTCOME OF INCIDENTAL AND SECONDARY BRONCHOGENIC CARCINOMA FOLLOWING LUNG TRANSPLANTATION
C. Forster, A. Koutsokera, J.D. Aubert, M. Gonzalez, T. Krueger,
J.Y. Perentes, E. Abdelnour-Berchtold
Lausanne/CH

P-264
SAFETY OF ANTI-FIBROTIC THERAPY FOR INTERSTITIAL LUNG DISEASE PRIOR TO LUNG TRANSPLANTATION
D. Nakajima, T. Handa, K. Tanizawa, Y. Yamada, Y. Yutaka, M. Hamaji,
A. Ohsumi, T. Chen-Yoshikawa, H. Date
Kyoto/JP

P-265
THE IMPACT OF THE NEW STATE BODY FOR TRANSPLANTATION ON LUNG TRANSPLANTATION WAITING LIST MORTALITY
S. Cremen, A. Daly, D. Healy
Dublin/IE

P-266
FUNCTIONAL STUDY OF RESPIRATORY MUSCLES IN LUNG TRANSPLANT RECIPIENTS
A. Palleschi, A. Lo Mauro, M. Vergari, E. Privitera, R. Carrinola,
I. rigli, L.C. Morlacchi, M. Nosotti
Milan/Italy
SYMPOSIUM FOR NURSES & ALLIED HEALTH PROFESSIONALS
MONDAY 10 JUNE
SYMPOSIUM FOR NURSES & ALLIED HEALTH PROFESSIONALS - MONDAY 10 JUNE 09:00-17:30 h

Organiser:
Rachel Brown (Dublin/IE)

A full day of specialised, novel and research based presentations from an international perspective.

TOPICS
• Thoracic Trauma
• Advanced Practice in Thoracic Surgery
• Pain management in Thoracic Surgery
• Lung cancer nursing; surgery to surveillance
• The role of ECMO for Thoracic Surgery
• Theatre Nursing- advances in surgical techniques
• Nurse-led services for Thoracic Surgery
• Prehabilitation
• Enhanced Recovery After Surgery
• COPD Surgery & Management
• Lung Transplantation

AWARD CEREMONY OF THE BEST ABSTRACT AND PRESENTATION
MONDAY 10 JUNE 2019 17:00-17:30 h  ·  WICKLOW HALL 1
Prize award session:  Best oral abstract: 500 euros award
Best poster:  500 euros award

PRACTICAL SESSION FOR NURSES & ALLIED HEALTH PROFESSIONALS
MONDAY 10 JUNE 2019  13:30 -16:50 h ·  WICKLOW HALL 1

Workshops:
• Indwelling pleural catheters (insertion to community management)
• Lung resection- stapling technology
• Multidisciplinary Team - Interesting cases
• Radiology or mini tracheostomy (TBC)
• Pain Management - Treatment & Challenges

TOUR OF MATER MISERICORDIAE UNIVERSITY HOSPITAL
TUESDAY 11 JUNE 2019 10:00-11:30 h

Meeting for group departure 09:30 h
Registration Area, The Convention Centre Dublin
SYMPOSIUM FOR NURSES & ALLIED HEALTH PROFESSIONALS - MONDAY 10 JUNE

MORNING 1ST SESSION
Chairs: Malene Missel (Copenhagen/DK)
Rebecca Halpin (Leicester/UK)

09:10-09:40 h
THORACIC TRAUMA - ROYAL FLYING DOCTORS SERVICE QUEENSLAND
Louise Burton
Brisbane/AU

09:40-09:50 h
N-1
FIXING MULTIDISCIPLINARY CARE IN RIB FRACTURE MANAGEMENT
Michelle Gibb
Leicester/UK

09:50-10:00 h
N-2
PATHOLOGICAL COMPLETE RESPONSE AFTER NEoadjuvant CHEMORADiotherapy DETERMINES SURVIVAL AMONG PATIENTS WITH ESOPHAGEAL SQUAMOUS CELL CANCER: SECONDARY FINDINGS FROM THE PROSPECTIVE RANDOMIZED PHASE III NEOCRT5010 TRIAL
Jianfei Shen
Linhai/CH

10:10-10:20 h
N-4
Efficacy of perioperative cognitive behavioral intervention for pulmonary embolism prevention in postoperative lung cancer patients
Junrong Ding
Shanghai/CN

10:20-10:50 h
Coffee Break & Posters presentation
Poster Moderators:
Lisa Owens (Galway/IE)
Michelle Gibb (Leicester/UK)
Nina Sheridan (Dublin/IE)

MORNING 2ND SESSION
Chairs: Petra Grehan (Dublin/IE)
Julie Dowes (London/UK)

10:50-11:20 h
NOVEL APPROACHES TO THORACIC PAIN MANAGEMENT
Felicia Cox
London/UK

11:20-11:30 h
N-5
AN INDEPENDENT ADVANCED NURSE PRACTITIONER CLINIC (ANPC) FOR EARLY DISCHARGED THORACIC PATIENTS IN THE CONTEXT OF AN ENHANCED RECOVERY AFTER SURGERY PATHWAY (ERAS): THE SHEFFIELD EXPERIENCE
Ruth Ostrovskis-Wilkes
Sheffield/UK
27th ESTS MEETING
9 JUNE - 12 JUNE 2019 • DUBLIN, IRELAND

SYMPOSIUM FOR NURSES & ALLIED HEALTH PROFESSIONALS - MONDAY 10 JUNE

11:30-11:40 h  N-6
SYSTEMATIC PROLONGED POSTOPERATIVE ENTERAL FEEDING THROUGH JEJUNOSTOMY AS PART OF AN ENHANCED RECOVERY PROTOCOL IN ESOPHAGECTOMY FOR ADVANCED CANCER: IS IT WORTHWHILE?
Johnny Moons
Leuven/BE

11:40-11:50 h  N-7
IMPLEMENTATION OF AN EARLY WARNING SYSTEM TO IMPROVE PATIENT SAFETY IN THE SETTING OF A GENERAL THORACIC WARD IN A PRIMARY ACADEMIC HOSPITAL
Timo Naumann
Zurich/CH

11:50-12:00 h  N-8
PLACEMENT OF SELF-EXPANDABLE METALLIC STENTS IN PATIENTS SUPPORTED WITH VENO-VENOUS EXTRACORPOREAL MEMBRANE OXYGENATION
Vanessa MacNamara
Dublin/IE

12:10-12:20 h  N-9
GETTING IT RIGHT- A VISUAL JOURNEY THROUGH THORACIC SURGERY
Judy Cotterill
London/UK

12:20-12:30 h  N-10
HEALTH-RELATED QUALITY OF LIFE IN PATIENTS WITH LUNG CANCER: VALIDATION OF THE ITALIAN VERSION OF THE EORTC QLQ-LC29 QUESTIONNAIRE. PRELIMINARY RESULTS
Marcello Giani
Monza/IT

12:30-13:30 h  Lunch & Posters presentation
Poster Moderators:
Siobhan Healy (Cork/IE)
Pierpaolo Busacchio (Monza/IT)
Rachel Brown (Dublin/IE)

AFTERNOON SESSION:

13:30-16:50 h  Workshops (Rotating groups 35mins with 5 min for changeover)
• Indwelling pleural catheters - insertion to community management
  PleurX/regs/ thoracic team
• Lung resection – stapling technology
  Medtronic
• Multidisciplinary Team – interesting cases
  Donna Eaton (Dublin/IE)
  Noirin Kearney (Belfast/UK)
• Robotic Thoracic Surgery
• Pain Management – treatment & challenges
  Jenny Wright (London/UK)
  Christina Gullberg (London/UK)

16:50-17:00 h  CLOSING REMARKS

17:00-17:30 h  AWARD CEREMOY
POSTERS DISPLAYED AT COFFEE BREAK

N-11
THE INFLUENCE OF NURSE-LED CLINIC FOR ENHANCED RECOVERY AFTER SURGERY OF PATIENTS WHO WITH LUNG CARCINOMA IN SITU
Yanjun Mao
Shanghai/CN

N-12
TABLE IN THE CORNER: A QUALITATIVE STUDY OF LIFE SITUATION AND PERSPECTIVES OF THE EVERYDAY LIVES OF OESOPHAGEAL CANCER PATIENTS IN PALLIATIVE CARE
Malene Missel
Copenhagen/DK

N-13
EFFECTIVENESS OF MECHANICAL PROPHYLAXIS IN PREVENTING DEEP VEIN THROMBOSIS IN LUNG CANCER PATIENTS UNDERGOING VIDEO-ASSISTED THORACOSCOPIC SURGERY
Xiaojun Wang
Shanghai/CN

N-14
FOR EARLIER DIAGNOSIS AND MANAGEMENT IN PATIENTS WITH PLEUROPULMONARY DISEASES VIDEO-ASSISTED THORACOSCOPIC SURGICAL PROCEDURES (VATS) IS AN ALTERNATIVE TO TRADITIONAL OPEN LUNG BIOPSY
Gia Lursmanashvili
Tbilisi/GE

N-15
EFFECT OF PULMONARY REHABILITATION MODE ON POSTOPERATIVE PATIENTS WITH LUNG CANCER: BASED ON THE LUNG DISEASE NURSING ALLIANCE
Yanjun Mao
Shanghai/CN

N-16
EFFECT OF ADMINISTRATION OF ANTIBIOTIC PROPHYLAXIS ON THE OCCURRENCE OF INFECTIONS DURING SURGICAL PROCEDURES ON OESOPHAGUS
Danijela Pikija
Zagreb/HR

N-17
AN OVERVIEW OF PHYSIOTHERAPY WITHIN THE FIRST THORACIC ENHANCED RECOVERY PROGRAMME (TERP) IN THE REPUBLIC OF IRELAND
Daire Plunkett
Dublin/IE

N-18
CALL IF CONCERNED - PATIENT AND RELATIVE INITIATED OUTREACH SERVICE
Denise Breen
London/UK

N-19
ENHANCED RECOVERY AFTER SURGERY - NURSING INTERVENTIONS
Julie Madsen
Copenhagen/DK

N-20
TRANSITIONAL PAIN SERVICES – THE FUTURE OF SURGICAL PAIN MANAGEMENT? A NURSE LED PILOT
Christina Gullber
London/UK

N-21
SEBACEOUS CELL CARCINOMA PRESENTING AS A STERNAL LESION
Joseph Di Como
Johnstown/US

N-22
HIGH FLOW NASAL CANNULA OR NON INVASIVE VENTILATION?
Margarida Fonseca
Coimbra/PT

N-23
THE PSYCHOSOCIAL NEEDS OF PATIENTS WHO HAVE HAD LUNG RESECTION FOR PRIMARY LUNG CANCER
Niamh Kiely
Dublin/IE
SYMPOSIUM FOR NURSES & ALLIED HEALTH PROFESSIONALS - MONDAY 10 JUNE

N-24
PAIN MANAGEMENT USING PARAVERTEBRAL BLOCK + PATIENT CONTROLLED ANALGESIA FOR POSTOPERATIVE VATS - A TALE OF TWO CENTRES
Jennifer Wright
London/UK

N-25
ESTABLISHING A PREHABILITATION EXERCISE SERVICE FOR PATIENTS IN A NATIONAL CANCER CENTRE
Sarah Moore
Dublin/IE

N-26
DO ELDERLY LUNG CANCER PATIENTS REQUIRE A DIFFERENT APPROACH? - A LITERATURE REVIEW
Yvonne Gahan
Dublin/IE

N-27
DESIGN OF AN INSTRUMENT TO MEASURE THE IMPACT OF NURSING CARE INTERVENTIONS ON COMPLIANCE TO AN ENHANCED RECOVERY PROTOCOL IN ESOPHAGECTOMY FOR CANCER: A PILOT STUDY
Johnny Moons
Leuven/BE

N-28
HEALTH CARE OF PATIENT WITH LUNG CANCER- ANALYSIS OF CASE
Aneta Lesiak
Rzeszow/PL

N-29
DIFFERENCES BETWEEN PEDIATRIC AND ADULT PATIENTS IN SURGICAL AND INPATIENT NURSING IN THORACIC SURGERY
Ilke Kadioğlu
Istanbul/TK

N-30
VIDEO-ASSISTED THORACIC SURGERY ASSISTED BY ARTICULATED ARM (AVATS): A NEW WAY TOWARDS ERGONOMICS AND OPTIMIZATION OF SURGICAL RESOURCES
Julio Sesma Romero
Alicante/ES

N-31
MODEL OF INDIVIDUALISED NURSING CARE FOR PATIENTS WITH ESOPHAGEAL CANCER
Malgorzata Marć
Rzeszow/PL

N-32
CARDIAC BULLET EMBOLUS: A CASE REPORT AND REVIEW OF THE LITERATURE
Joseph Di Como
Johnstown/US

N-33
THE ASSOCIATION BETWEEN PRETREATMENT PET-CT VOLUMETRIC PARAMETERS AND HISTOLOGICAL RESPONSE AFTER NEOADJUVANT CHEMORADIOThERAPY IN ESOPHAGEAL CANCER
Dong Lin
Shanghai/CN

N-34
5 YEARS EXPERIENCE IN POST-STERNOTOMY MEDIASTINITIS IN THE GENERAL HOSPITAL OF MEXICO “DR. EDUARDO LICEAGA”
Yasmin Cardenas Tenesaca
Ciudad de México/MX

N-35
WITHDRAWN
PREOPERATIVE NUTRITIONAL STATUS OF ESOPHAGEAL CANCER AND ITS CORRELATION WITH PROGNOSIS
Shaoli Hu
Chengdu/CN

N-36
WITHDRAWN
EFFECT OF DIFFERENT PREOPERATIVE RESPIRATORY TRAINING ON THE RECOVERY OF ESOPHAGUS CANCER PATIENTS UNDERGOING THORACOSCOPIC OPERATION
Shaoli Hu
Chengdu/CN

N-37
NOISE POLLUTION IN INTENSIVE CARE/ThERAPY UNIT
Edvin Handanagić
Ljubljana/SI
ESTS OFFICIAL SESSIONS

OPENING CEREMONY INDUSTRY
SUNDAY, 09 JUNE 2019  12:00 - 13:00 h · EXHIBITION AREA

OPENING CEREMONY
SUNDAY, 09 JUNE 2019  18:00 - 18:45 h · HALL 1

OFFICIAL OPENING
MONDAY 10 JUNE 2019  08:10 -08:15 h · HALL 1

REPORT OF THE DIRECTOR OF THE ANNUAL MEETING
MONDAY 10 JUNE 2019  08:15 -08:30 h · HALL 1

GENERAL ASSEMBLY
TUESDAY 11 JUNE 2019  17:30 - 18:00 h · HALL 1
Please submit your abstract via:
http://cpaper.cltmeetingtech.com/ests2019

Please follow the instructions given on-line, otherwise your abstract cannot be selected for review. A summary of the guidelines is as follows:

- The abstract language is English
- The text should be not more than 300 words
- The use of 1 table or 1 graph is possible
- The abstract must consist of four paragraphs labelled: OBJECTIVE, METHODS, RESULTS, CONCLUSIONS
- The text and the title should be free from abbreviations, except those commonly used. It should concisely address the problem and the purpose of the study (OBJECTIVE); how the study was performed (METHODS); the main findings with numerical data and statistical significance (RESULTS); and the principal conclusions drawn from the study (CONCLUSIONS)
- The title of the abstract should be printed in CAPITAL LETTERS; the name(s) of the author(s) should be preceded by the full first name (middle name Initial optional) - omit titles. The number of authors is unlimited.
- Since the abstracts will be judged anonymously, the text should not reveal the institutional affiliation
- Mark the category which best describes the subject of your abstract
- The material should not have been published, or presented at any international meeting before, nor submitted to another meeting during the same period.
- Only co-authors are allowed to present the paper

4 types of abstracts will be considered:
- Abstract/Poster
- Videos
- Case reports
- Nurse symposium

Abstracts will not be accepted by e-mail or fax
All abstracts should be submitted and posted according to the format and instructions described above no later than Monday 14 January 2019, 23:59 CET

The Program committee will meet 15-16 February 2019. The best abstracts are selected based on the average score by the reviewers from one round - and allocated for presentations as oral/CASE report, video or poster, nurse symposium. Abstract acceptance and Program scheduling will be communicated to the corresponding author’s e-mail address early March 2019.

For your abstract to be included in the final scientific programme/IT is mandatory to register for the congress and to settle payment as soon as you have received the notification of abstract acceptance.

Please check the eligibility for prize awards.

The presenter of an accepted abstract will also be asked to complete a form to be signed at the time of uploading the presentation to state whether his/her presentation can be released or cancelled after the meeting.
ABSTRACT SUBMISSION - INSTRUCTIONS TO AUTHORS

IMPORTANT:
ESTS expects that all speakers presenting in ORAL sessions and the Brompton and Young Investigator Award sessions to submit full manuscripts online for review to the European Journal of Cardio-Thoracic Surgery (EJCTS) by 1 September 2019. Moreover the prize winners in all other prize sessions must submit full manuscripts online for review to the European Journal of Cardio-Thoracic Surgery.

Note that the Programme Committee will consider the previous manuscript submission record of ALL speakers when preparing future ESTS meetings.

Submission for review of case report, and video or poster presentations to either EJCTS or ICVTS is optional but welcomed.

• EJCTS
• ICVTS

The manuscript submission is online only at: https://ejcts.oxfordjournals.org/

Please mention *Presented at the 27TH European Conference on General Thoracic Surgery of the European Society of Thoracic Surgeons, Dublin, Ireland, 9 – 12 June 2019 on the title page of the manuscript.

ESTS requires that all speakers competing for the Brompton & Young Investigators Prizes sessions submit full manuscripts by e-mail to the ESTS Executive Director (sue@ests.org.uk) one month before the meeting at the latest, since these papers are included in the total scoring by the jury. The audio-visual recording of the scientific presentations will be the property of the ESTS.

ABSTRACT SESSIONS
Papers are allocated 7 minutes presentation time followed by a discussion period of 3 minutes.
Please note that only data projection will be available.

INTERACTIVE CASE PRESENTATION SESSION
The Program committee invites submissions of case reports for interactive presentation. It is an opportunity for any thoracic surgeon, particularly trainees and young surgeons, to present a case for discussion by the meeting and the experts who will be present. We encourage you to submit cases that are of interest in any of the followings:
• An uncommon clinical problem
• A particularly challenging problem of diagnosis or management
• An innovative surgical technique
• A clinical lesson
• A particularly illustrative case of interest for the thoracic community

The interactive presentations should be 5 minutes long including interactive discussion of 10 minutes. Video clips are welcomed but must be included within the time limit. The speaker should present the clinical case only, NOT a literature review or case series.
We would like you to explain in the abstract (300 words) what your case is about, what you think is of special interest for the audience and its clinical implications.

POSTER SESSION
A number of abstracts will be selected for poster presentation as moderated posters. There will be a Junior Poster Session and a Senior Poster Session.
ABSTRACT SUBMISSION - INSTRUCTIONS TO AUTHORS

Maximum dimensions: Portrait: Length 140 cm, width 90 cm

Poster Printing in Dublin: The option is offered for printing your poster in Dublin.
Printing company: Bizpost
Contact for orders: mail@bizpost.ie
Cost: 40 euros (inclusive of VAT) for colour print including delivery to the Conference Venue on 7 June 2019. Payment required prior to delivery
Deadline for orders: Monday 3 June 2019

VIDEO SESSION
Submitted videos should be uploaded online in a compact-sized, average-quality format up to 100 MB for scoring by reviewers. The film should be 7 minutes maximal duration and it will be followed by a 3-minute discussion. The following formats are supported to upload:

PC formats: .WMV and .AVI
MAC formats: .MOV

Sound is acceptable but not necessary. However live narration by the principal surgeon is a requirement of participation.
Authors will be asked to present their video at the meeting in a high-quality format without changes if accepted.

NURSE SYMPOSIUM
Abstracts for the Symposium for Nurses should be submitted online using the same system as other abstracts. Abstracts should not exceed 300 words. Videos can be considered and they should be uploaded online.

Submitted videos should be uploaded online in a compact-sized, average-quality format up to 100 MB for scoring by reviewers. The film should be 7 minutes maximal duration followed by a 3-minute discussion. The following formats are supported to upload:

PC formats: .WMV and .AVI
MAC formats: .MOV

Sound is acceptable but not necessary. However live narration by the presenting nurse is a requirement of participation.
Authors will be asked to present their video at the meeting in a high-quality format without changes if accepted.

NO-SHOW AND WITHDRAWALS
Presenter: please note that if you accept to present your paper and then subsequently do not show up for presentation at the meeting in Dublin, you will be excluded from presenting at the next three annual ESTS meetings. If you are experiencing any unexpected problems to attend the meeting/Please notify the Program Committee and ask one of your co-authors to replace you as presenter of the abstract. Only co-authors may present.

If you WITHDRAW your presentation less than four weeks prior to the meeting, after Friday 10 May 2019, the Presenter will be considered as No-Show.

DUPLICATE SUBMISSION
We will use special software to check for duplicate submission. Duplicate submission will be defined according to the below indicated joint statement.
For duplicate submission, the first author will be excluded from presenting abstracts to the next three ESTS meetings. The first author will not be permitted to be included in the list of authors for the next three years.

JOINT STATEMENT ON REDUNDANT (DUPLICATE) PUBLICATION BY THE EDITORS OF THE UNDERSIGNED CARDIOTHORACIC JOURNALS
ABSTRACT SUBMISSION - INSTRUCTIONS TO AUTHORS

Full Text: http://www.jtcvsonline.org/article/S0022-5223(15)01306-9/fulltext

The co-signatory Editors hereby declare that they adhere to a process of information exchange and cooperation aimed at eliminating redundant (duplicate) publication in their journals.

Briefly, redundant publication is a paper that overlaps substantially with one submitted elsewhere or published without adequate cross-referencing and justification. We consider redundant publication to be unethical for the following reasons: The author unjustifiably receives 2 or more citations for only 1 article; the time of unpaid peer reviewers and editors is wasted on duplicate submissions; the burden of extra work slows the peer review process; the already extensive scientific literature is further inflated making literature search even more cumbersome; valuable journal pages are wasted. Furthermore, meta-analysis of multiple studies may become flawed when the same material is published repeatedly.

We intend to combat redundant publication by: using electronic search applications to identify potential duplications; sending doubtful papers for review by other journal editors; exchanging information about conference submissions and joint collaboration in programme committees; publishing joint statements exposing offenders in clear cut cases; imposing bans where necessary; and following up on potential copyright infringements.

For the purposes of this declaration, redundant publication is defined as follows:

1. The numbers or sample sizes are similar.
2. The methodology is identical or nearly so.
3. The results are similar.
4. At least 1 author is common to both reports.
5. Little or no new information is made available.

To classify as redundant publication all of points 1-5 must apply. Exceptions may include publications in local or regional journals, abstracts at scientific meetings, or original publication in a language other than English. The authors must bring these exceptions to the Editor’s attention. The Editor’s judgment decides if points 1-5 apply for a specific case. The authors will be informed, and will be given the opportunity to respond. Because redundant publication constitutes serious academic misbehavior, instances may be reported to specialty society ethics committees for review and possible disciplinary action.

We hope that the authorship of our journals and the scientific community at large will support us in this endeavour, which we believe to be in the best interests of all.

Editor, A. Sampath Kumar, Asian Cardiovascular and Thoracic Annals
Editor-in-Chief, Friedhelm Beyersdorf, European Journal of Cardio-Thoracic Surgery, and Interactive CardioVascular and Thoracic Surgery
Editor, Harold L. Lazar, Journal of Cardiac Surgery
Editor-in-Chief, A. Robert Denniss, Heart, Lung and Circulation
Editor, G. Alexander Patterson, The Annals of Thoracic Surgery
Editor-in-Chief, Richard D. Weisel, The Journal of Thoracic and Cardiovascular Surgery
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 Gala Dinner.

- **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 Gala Dinner.

- **ESTS-AATS Foundation Excellence Award – 2000 EUR**
  This prize is offered by the AATS Foundation and awarded for the best scientific contribution in Pulmonary Neoplastic I / Pulmonary Neoplastic II sessions

- **ESTS – Grillo Prize – 1000 EUR**
  The prize is offered to the best abstract in the session “Experimental/Innovative Techniques” 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 – Greek Pioneers Prize – 500 EUR**
  This prize is offered for the best poster presentation and comes courtesy of a fund chaired by Dr Kalliopi Athanassiadi in the name of the first three Greek thoracic surgeons.

- **ESTS – Grillo Prize – 1000 EUR**
  This prize is offered to the best abstract by an ESTS member from an Asian Institute.

- **ESTS Video Prize**
  Registration for an ESTS School of Thoracic Surgery event 2019/2020 for the best video presentation in Video I and Video II sessions.

- **ESTS-CATS Video Prize**
  Best video presentation of thoracic surgery for Chinese Young Elites. The prize comes courtesy of Ethicon China.
HOTEL ACCOMMODATION

Dublin and the hotels from our list are easily accessible from the airport, since there are only 13 km from Dublin Airport to the city centre.

A number of hotel rooms in different price categories have been booked in Dublin with arrival June 7 and departure June 12 for the meeting. Additional nights can be confirmed if available.

Rates for June 2019

Prices are in EUR for one night stay per room including breakfast (VAT included).

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Single Occupancy</th>
<th>Double Occupancy</th>
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<tbody>
<tr>
<td><strong>The Spencer Hotel (Headquarter hotel)</strong></td>
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<tr>
<td>Excise Walk, IFSC, Dublin 1, Ireland</td>
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<tr>
<td>Standard room</td>
<td>273,00 €</td>
<td>283,00 €</td>
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<tr>
<td></td>
<td>*3 min walking distance</td>
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| **The Hilton Garden Inn**                     |                  |                  |
| 1 Custom House Quay, North Dock, Dublin, Ireland |                  |                  |
| Queen room                                    | 232,00 €         | 242,00 €         |
| King room                                     | 252,00 €         | 262,00 €         |
|                                               | *6 min walking distance |

Trinity College University Accommodation

Cheaper rooms available on request. Please contact ests@viajeseci.es
HOTEL ACCOMMODATION

The Spencer Hotel
(HEADQUARTER HOTEL)
Excise Walk, IFSC, Dublin 1
*3 min walking distance

The Hilton Garden Inn
1 Custom House Quay,
North Dock, Dublin
*6 min walking distance

The Convention Centre Dublin
(VENUE)
Spencer Dock
North Wall Quay
Dublin 1
D01 T1W6
ACCOMMODATION

CONTACT
For further information as well as for group reservations please visit [https://emma.events/ests2019/accommodation](https://emma.events/ests2019/accommodation)
or contact:
Registration Office
Viajes El Corte Inglés SA
C/Alberto Bosch 13
28014 Madrid
E-mail: ests@viajeseci.es
Phone: +34913300579
OFFICIAL NETWORKING PROGRAMME

OPENING CEREMONY AND WELCOME RECEPTION
Included in the registration fee
Date: Sunday, 09 June 2019

Opening Ceremony: 18:00 - 18:45 h
Welcome Reception: 18:45 - 20:00 h

Location: The Opening Ceremony will take place at the main Auditorium and the Welcome Reception will be held at the Exhibition Area.

ESTS GALA DINNER
Not included in the registration fee.
Cost: 125€ - Special fee for trainees and Allied Professionals: 100€ (limited to a maximum of 80 tickets for trainees and 20 tickets for AHP at reduced price)
Date: Tuesday, 11 June 2019
Time: 19:30 - 23:00 h

Location: Guinness Storehouse
St James’s Gate/UShers, Dublin 8, Ireland
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