



ANNUAL MEETING

# Following "THE EDGE OF TOMORROW"



**November 16<sup>th</sup>-18<sup>th</sup>, 2023**

**Milan - Italy**

IRCCS Galeazzi - Sant'Ambrogio Hospital



I.R.C.C.S. Istituto  
Ortopedico Galeazzi

Gruppo San Donato

Final program

## ECSC STEERING COMMITTEE

**Patrick Perier** - Bad Neustadt, Germany (Chairman)

**Mario Castillo-Sang** - Edgewood, KY, USA

**Mattia Glauber** - Milan, Italy

**Joerg Kempfert** - Berlin, Germany

**Antonios Pitsis** - Thessaloniki, Greece

**Marco Solinas** - Massa, Italy

**Joseph Zacharias** - Blackpool, UK (Secretary)

## UNDER THE PATRONAGE OF



## Welcome Letter

Following on from the success of the **ECS Club Inaugural Forum "The Edge of Tomorrow"**, held in **Greece last September 2022**, we are excited to have you in our event in the new **IRCCS Galeazzi-Sant'Ambrogio hospital** in Milan, Italy on the **16<sup>th</sup> - 18<sup>th</sup> November 2023**.

The main focus this year is to build on our successful past event by providing more **open discussions between our industry partners and colleagues, from across the world**, to better understand our achievements, concerns, and future needs in this incredibly fast-moving area of expertise.

Whilst keeping a **strong focus on the technical aspects of endoscopic cardiac surgery**, we aim to present a **diversified agenda** where surgeons, willing to add this approach to their surgical armamentarium, can **engage with expert** endoscopic cardiac surgeons and **learn in a more interactive fashion**.

This event will guarantee an enriched experience for all involved as outlined below:

- High-quality **3D/4K live cases**
- **Interactive discussions** during live cases
- **In-depth analysis on the post-operative outcomes** between the audience and faculty
- Opportunities to participate in our specially designed **Training Village led by expert trainers**
- **Practical hands-on experience** to sharpen endoscopic skills applicable to daily practice
- **Video Contest** for all participants and the top 3 winners will be awarded during the event
- **Specific scientific program** focusing on endoscopic cardiac surgery
- Enriched **engagement with our industry partners**.

We welcome you all to Milan to enjoy this exciting new experience at the forefront of cardiac surgery.

On behalf of the ECS Club

Dr. Patrick Perier

*ECS Club Chairman*

Dr. Mattia Glauber

*ECS Club Steering Group Member  
Head of the Local Organizing Committee*

## SCIENTIFIC PROGRAM

### DAY 1: THURSDAY - NOVEMBER 16<sup>th</sup>, 2023

13:30 - 14:00 • Registration and welcome coffee

14:00 - 14:10 • **Welcome and opening**  
• *Mattia Glauber, Patrick Perier*

14:10 - 14:15 • **Welcome from CEO of IRCCS Galeazzi-Sant'Ambrogio Hospital**  
• *Roberto Crugnola*

14:15 - 14:20 • **Welcome from the President of the Italian Society of Cardiac Surgery (SICCH)**  
• *Alessandro Parolari*

14:20 - 14:35 • **Healthcare economics and resource management: a look to the future**  
• *Paolo Rotelli - President of San Donato Group*

14:35 - 15:25 LIVE-IN-A-BOX SESSION  
**Endoscopic solutions for the aortic valve and aorta**

Moderators: *Marco Di Eusanio, Nermir Granov, Tommaso Hinna-Danesi, Karel Van Praet*

- Ascending aorta replacement  
*Loris Salvador*
- Robotic AVR with Sutureless valve  
*Husam Balkhy*
- Endoscopic AVR with Sutureless valve  
*Antonio Miceli*
- Totally endoscopic sutured AVR  
*Markus Kofler*
- Routine use of automated suturing devices  
*Toufan Bahrami*

15:25 - 17:25 LIVE 3D/4K CASE #1  
**Totally endoscopic AVR & LA closure with an automated suturing device**

Case introduction: *Arturo Bisogno*

Surgeons: *Farhad Bakhtiary, Antonio Miceli*

Anesthetist: *Silvia Buonocore*

Echocardiography: *Tommaso Viva*

Perfusionist: *Helga Pavani* - Nurses: *Vincenzo Iorio (Coordinator), Martina Maresca, Chiara Milanesi*

Chairmen: *Husam Balkhy, Günther Laufer*

Live commentary from the OR: *Niv Ad*

Discussants: *Mohamed Bentala, Giacomo Bianchi, Markus Czesla, Toshiaki Ito, Loris Salvador*

17:25 - 18:05 LIVE-IN-A-BOX SESSION  
**Pre-op planning & endoscopic solutions in congenital heart disease**  
Moderators: *Daniele Andreini, Mahesh Ramchandani, Davide Ricci, Rashmi Yadav*

- AV canal & mitral repair  
*Antonios Pitsis*
- Atrial septal defect  
*Joerg Kempfert*
- Type sinus ASD repair  
*Tomas Holubec*
- Going beyond water testing  
*Apostolia Marvaki*

18:05 - 18:15 LECTURE  
**VHD Guidelines in 2030 - What should we expect? The vision of a clinical cardiologist**  
*Massimo Piepoli - Introduced by Alessandro Parolari*

18:15 - 18:25 LECTURE  
**VHD Guidelines in 2030 - What should we expect? The vision of a cardiac surgeon**  
*Michele De Bonis - Introduced by Mahesh Ramchandani*

18:25 - 18:40 LECTURE  
**Endoscopic cardiac surgery as an alternative to trans-catheter interventions**  
*Francesco Maisano - Introduced by Hugo Vanermen*

18:40 - 19:25 • **Satellite Symposium: Goal Directed Perfusion**

19:25 • **Aperitive and light dinner at IRCCS Galeazzi - Sant'Ambrogio Hospital**

**DAY 2: FRIDAY - NOVEMBER 17<sup>th</sup>, 2023**

- 08:30 - 08:50 | LECTURE  
**The Mitral Journey**  
*Ottavio Alfieri*
- 08:50 - 09:05 | LECTURE  
**Advanced echocardiography for timing appropriate valve surgery**  
*Tommaso Viva*
- 09:05 - 09:15 | LECTURE  
**Cannulation strategies in endoscopic cardiac surgery**  
*Miriam Silaschi*
- 09:15 - 09:45 | LIVE-IN-A-BOX SESSION  
**Deep dive into mitral repair surgery**  
*Moderators: Nikolaos Bonaros, Peter Knight, Claudio Muneretto, Mauro Rinaldi*
- Resection techniques - "Make it easy"  
*Frank Van Praet*
  - The Snail technique - "Make it easier"  
*Patrick Perier*
  - Mitral valve repair with no aortic cross clamping  
*Niv Ad*
- 09:45 - 10:00 | ☉ Coffee break
- 10:00 - 12:00 | LIVE 3D/4K CASE #2  
**Totally endoscopic mitral valve repair of bileaflet prolapse with MAD**  
Case introduction: *Tommaso Viva*  
Surgeons: *Marco Solinas, Antonio Miceli*  
Anesthetist: *Giulia Magnani*  
Echocardiography: *Tommaso Viva*  
Perfusionist: *Fernanda Bordignon* - Nurses: *Vincenzo Iorio (Coordinator), Alan Brazzelli, Giorgia Uva*  
Chairmen: *Ottavio Alfieri, Patrick Perier*  
Live commentary from the OR: *Frank Van Praet*  
Discussants: *Ernesto Greco, Huiming Guo, Rodrigo Ribeiro De Souza, Mauro Rinaldi, Peyman Sardari Nia*
- 12:00 - 12:50 | LIVE-IN-A-BOX SESSION  
**Endoscopic solutions to complex mitral valve pathology**  
*Moderators: Tomas Holubec, Hugues Jeanmart, Loris Salvador, Marco Solinas*
- The Roman Arch Technique - "Why and How I do it"  
*Theodor Kofidis*
  - How to "respect" a bileaflet prolapse  
*Marco Diena*
  - MV Replacement in severe MAC  
*Mario Castillo-Sang*
  - Trans-atrial MV implantation in severe MAC  
*Antonios Pitsis*
  - Totally endoscopic redo mitral valve surgery with 3D system  
*Nguyen Cong Huu*

- 12:50 - 13:10 | MAGISTRAL LECTURE  
**"My dream about MICS: a lifelong commitment for a vision"**  
*Frederich Mohr - Introduced by Hugo Vanermen*
- 13:10 - 14:10 | ☉ **Lunch break with Satellite Symposium**
- 14:10 - 15:00 | LIVE-IN-A-BOX SESSION  
**Endoscopic solutions in tricuspid valve diseases and AF**  
*Moderators: Giacomo Bianchi, Vito Domenico Bruno, Piotr Suwalski, Alexander Weymann*
- The clover technique for tricuspid repair  
*Francesco Maisano*
  - Redo beating heart tricuspid valve repair  
*Joseph Zacharias*
  - Endoscopic lone AF treatment  
*Niv Ad*
  - Endoscopic hybrid ablation  
*Piotr Suwalski*
  - CEASE-AF Trial: Latest evidence on endoscopic Arrhythmia Surgery  
*Piotr Suwalski*
- 15:00 - 17:30 | LIVE 3D/4K CASE #3  
**Mitral and tricuspid valve repair, cryo-ablation, and left appendage closure**  
Case introduction: *Bleri Celmeta*  
Surgeons: *Joerg Kempfert, Vito Domenico Bruno*  
Anesthetist: *Nadia Barranca*  
Echocardiography: *Tommaso Viva*  
Perfusionist: *Bruna Borghetti* - Nurses: *Vincenzo Iorio (Coordinator), Walymata Manga, Silvia Miglio*  
Chairmen: *Lenard Conradi, Hermann Reichenspurner*  
Live commentary from the OR: *Joseph Zacharias*  
Discussants: *Niv Ad, Martin Andreas, Nikolaos Bonaros, Marco Diena, Fitsum Lakew*
- 17:30 - 18:20 | LIVE-IN-A-BOX SESSION  
**Enabling technology and management of complications**  
*Moderators: Francesca Chiaramonti, Paradorn Jetwanna, Antonio Miceli, Patrick Perier*
- Endocardial occlusion of the SVC and IVC in redo cases  
*Bleri Celmeta*
  - Newer adjuncts in endoscopic mitral valve surgery  
*Dincer Aktuerk*
  - Use of sealants in endoscopic surgery  
*Sahin Senay*
  - My worst complication: ECS Club Steering Group  
*Coordinated by Joseph Zacharias*
- 18:20 - 18:45 | ☉ **Video Competition Awards**  
☉ *Presented by Patrick Perier and Mattia Glauber*
- 20:00 | ☉ **Conference Dinner at Armani Silos**  
☉ *At 19:30 transfer from IRCCS Galeazzi-Sant'Ambrogio Hospital*

### DAY 3: SATURDAY - NOVEMBER 18<sup>th</sup>, 2023

- 08:45 - 09:00 : **Surgical cases wrap up**  
: *Domenico Bruno*
- 09:00 - 09:50 LIVE-IN-A-BOX SESSION  
**Pushing the boundaries with endoscopic surgery**  
Moderators: *Farhad Bakhtiary, Jing Fang, Soh Hosoba, Toshiaki Ito*
- Endoscopic AVR and ascending aorta replacement  
*Farhad Bakhtiary*
  - Totally endoscopic double valve replacement  
*Mario Castillo-Sang*
  - Endoscopic triple valve  
*Tommaso Hinna-Danesi*
  - Totally endoscopic repair of Ebstein's anomaly  
*Antonios Pitsis*
  - Trans-mitral mitotomy in HOCM  
*Huiming Guo*
- 09:50 - 10:00 : Coffee break
- 10:00 - 12:15 LIVE 3D/4K CASE #4  
**Endoscopic Sutureless AVR & mitral repair**  
Case introduction: *Bleri Celmeta*  
Surgeons: *Mattia Glauber, Antonio Miceli*  
Anesthetist: *Chiara Gallazzi*  
Echocardiography: *Tommaso Viva*  
Perfusionist: *Martina Assandri* - Nurses: *Vincenzo Iorio (Coordinator), Walymata Manga, Silvia Miglio*  
Chairmen: *Joerg Kempfert, Peter Knight*  
Live commentary from the OR: *Mario Castillo-Sang*  
Discussants: *Niv Ad, Umberto Benedetto, Andreas Liebold, Ludwig Müller*
- 12:15 - 13:15 LIVE-IN-A-BOX SESSION  
**Endoscopic coronary surgery: the final frontier?**  
Moderators: *Olexandr Babliak, Fabio Bartolozzi, Alfonso Ielasi, Rodrigo Ribeiro De Souza*
- Endoscopic radial harvesting  
*Sadiq Siddiqui*
  - Endoscopic vein harvesting  
*Carlo Zingaro*
  - Sub-xiphoid BIMA harvesting  
*Joseph Zacharias*
  - Minithoracotomy direct vision multi-vessel bypass  
*Olexandr Babliak*
  - *Totally endoscopic multivessel CABG*  
*Mario Castillo-Sang*
  - Robotic TECAB multivessel revascularization  
*Husam Balkhy*
- 13:15 : **Closing remarks and wrap-up**  
: *Mattia Glauber, Patrick Perier*

### FACULTY

- Niv Ad** | Cardiothoracic Surgeon, Division of Cardiac Surgery, Johns Hopkins University School of Medicine, Baltimore, MD, USA
- Dincer Aktuerk** | Consultant Cardiothoracic Surgeon, Director of Minimally Invasive and Robotic Cardiac Surgery Services, Barts Heart Centre, St Bartholomew's Hospital, London, UK
- Ottavio Alfieri** | Senior Consultant, Cardiac Surgery, San Raffaele Hospital, Milan, Italy
- Martin Andreas** | Department of Cardiac Surgery, Medical University of Vienna, Vienna, Austria
- Daniele Andreini** | Head of the Clinical Cardiology and Cardiac Imaging and Sports Cardiology Operating Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Martina Assandri** | Perfusionist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Oleksandr Babliak** | Chief of Cardiac Surgery Department, Diagnostic and Treatment Center for Children and Adults of the Dobrobut Medical Network, Kiev, Ukraine
- Toufan Bahrami** | Consultant Cardiac Surgeon, The Royal Brompton & Harefield Hospitals, London, UK
- Farhad Bakhtiary** | Professor, Director of the Department of Cardiac Surgery, University of Bonn Heart Center, Germany
- Husam H. Balkhy** | Professor of Surgery, Director of Robotic and Minimally Invasive Cardiac Surgery, University of Chicago Medicine, IL, USA
- Fabio Bartolozzi** | Cardiothoracic Surgery Minimally Invasive Thoracic Robotic Surgeon, Galway Clinic, Ireland
- Umberto Benedetto** | Director of Cardiac Surgery Unit, University Hospital of Chieti, Italy
- Mohammad Bentala** | Cardiac surgeon, Amphia Hospital, Department of Cardiac Surgery, Breda, Netherlands
- Giacomo Bianchi** | Cardiac Surgeon, Cardiac Surgery Department, Heart Hospital, Fondazione Toscana G. Monasterio, Massa, Italy
- Arturo Bisogno** | Cardiac Surgeon, Minimally Invasive Cardiac Surgery Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Nikolaos Bonaros** | Associate Professor of Cardiac Surgery, Deputy Chair Department of Cardiac Surgery, Medical University of Innsbruck, Austria
- Fernanda Bordignon** | Perfusionist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Bruna Borghetti** | Perfusionist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Alan Brazzelli** | Anesthesia nurse, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Vito Domenico Bruno** | Cardiac Surgeon, Minimally Invasive Cardiac Surgery Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Silvia Buonocore** | Anesthetist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy
- Mario Castillo-Sang** | Surgical Director of Mitral Valve and Heart Failure Therapies, St. Elizabeth Healthcare Care, Edgewood, KY, USA
- Bleri Celmeta** | Cardiac Surgeon, Minimally Invasive Cardiac Surgery Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy



**Francesca Chiaramonti** | Cardiac Surgeon, Cardiac Surgery Department, Heart Hospital, Fondazione Toscana G. Monasterio, Massa, Italy

**Silvia Cirri** | Head of the Anesthesia - Intensive Care and Intensive Care Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Ignazio Juri Condello** | Perfusion coordinator, Anthea Hospital, Bari, Italy

**Lenard Conradi** | Cardiac Surgeon, University Heart and Vascular Center, Hamburg, Germany

**Markus Czesla** | Senior Consultant, Department of Cardiac Surgery, Klinik für Herzchirurgie, Passau, Germany

**Michele De Bonis** | Head of the Cardiac Surgery Unit of Advanced Therapies and Research, San Raffaele Hospital, Milan, Italy

**Marco Di Eusanio** | Professor of Cardiac Surgery, Chief of Department of Cardiac Surgery, Lancisi Cardiovascular Center, United Hospitals of Ancona, Italy

**Marco Diena** | Head of Minimally Invasive and Transcatheter Cardiac Surgery Unit, San Donato Hospital, Milan, Italy

**Jing Fang** | Division of Cardiovascular Surgery, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China

**Chiara Gallazzi** | Anesthetist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Tommaso Gasbarri** | Cardiac Surgeon, Cardiac Surgery Department, Heart Hospital, Fondazione Toscana G. Monasterio, Massa, Italy

**Mattia Glauber** | Head of Minimally Invasive Cardiac Surgery Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Nermir Granov** | Professor, Head of Clinic for Cardiovascular Surgery, Clinical Center University of Sarajevo, Bosnia-Herzegovina

**Ernesto Greco** | Associate Professor, Sapienza University, Rome, Italy

**Huiming Guo** | Chief of Cardiovascular Department, Guangdong Provincial People's Hospital, China

**Tommaso Hinna-Danesi** | Section Chief Valve Surgery, Endoscopic Valvular Surgery Program Director, Brigham and Women's Hospital, Boston, MA, USA

**Tomas Holubec** | Deputy Director of the Department of Cardiovascular Surgery, University Hospital Frankfurt, Germany

**Soh Hosoba** | Consultant Cardiac Surgeon, Japanese Red Cross Nagoya First Hospital, Japan

**Nguyen Cong Huu** | Vice Director and Chief of Surgery Department, Cardiovascular and Thoracic Center, E Hospital, HaNoi, Vietnam

**Alfonso Ielasi** | Cardiologist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Vincenzo Iorio** | Nurse Coordinator, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Toshiaki Ito** | Cardiothoracic Surgeon, Department of Cardiovascular Surgery, Japanese Red Cross Nagoya First Hospital, Japan

**Hugues Jeanmart** | Cardiac surgeon at Montreal Heart Institute and Sacré-Coeur Hospital, Canada

**Paradorn Jetwanna** | Cardiothoracic Surgeon, Suratthani Hospital, Mueng Surat Thani, Thailand

**Joerg Kempfert** | Department of Cardiac Surgery, German Heart Institute, Berlin, Germany

**Peter Knight** | General Cardiac-Thoracic Surgery, Strong Memorial Hospital of the University of Rochester, NY, USA

**Theo Kofidis** | Group Chief, Cardiothoracic Surgery, NUHS Cluster of Hospitals, Singapore

**Markus Kofler** | Department of Cardiothoracic and Vascular Surgery, Deutsches Herzzentrum der Charite, Berlin, Germany

**Fitsum Lakew** | Cardiothoracic Surgeon, Klinik Bad Neustadt, Germany

**Günther Laufer** | Division of Cardiac Surgery Medical University of Vienna, Austria

**Andreas Liebold** | Department of Cardiothoracic and Vascular Surgery, Ulm University Hospital, Rostock, Germany

**Giulia Magnani** | Anesthetist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Francesco Maisano** | Head of Cardiovascular Surgery, San Raffaele Hospital, Milan, Italy

**Walymata Manga** | Anesthesia nurse, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Martina Maresca** | Anesthesia nurse, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Apostolia Marvaki** | Cardiologist, European Interbalkan Medical Center, Thessaloniki, Greece

**Antonio Miceli** | Cardiac Surgeon, Minimally Invasive Cardiac Surgery Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Silvia Miglio** | Nurse, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Chiara Milanese** | Nurse, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Frederich W. Mohr** | Medical Director of Heart Center, University of Leipzig, Germany

**Ludwig Müller** | Vice Director of the Department of Cardiac Surgery, Innsbruck Medical University, Austria

**Claudio Muneretto** | Professor, Director of Cardiac Surgery Unit, Brescia Hospital, Italy

**Alessandro Parolari** | Head of the University Cardiac Surgery and Translational Research Unit at San Donato Hospital, Milan, Italy

**Helga Pavani** | Perfusionist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Patrick Perier** | Cardiac Surgeon, Rhön-Klinikum Campus Bad Neustadt, Germany

**Massimo Piepoli** | Director of the Perioperative and Rehabilitative University Cardiology Unit, San Donato Hospital, Milan, Italy

**Antonios Pitsis** | Cardiac Surgeon, Director of the 1st Department of Cardiac Surgery, European Interbalkan Medical Center, Thessaloniki, Greece

**Mahesh Ramchandani** | Chief, Section of Cardiac Surgery, Houston Methodist Hospital System, TX, USA

**Marco Ranucci** | Head of the Anesthesia and Cardiovascular Intensive Care Unit, San Donato Hospital, Milan, Italy

**Hermann Reichenspurner** | Department of Cardiovascular Surgery, University Hospital Eppendorf, Hamburg, Germany

**Rodrigo Ribeiro de Souza** | Associate Professor of Surgery University of South Florida - Tampa General Hospital, FL, USA

**Davide Ricci** | Consultant and Associate Professor of Cardiac Surgery, IRCCS San Martino Hospital, Genoa, Italy

**Mauro Rinaldi** | Director of Cardiac Surgery Department, Città della Salute e della Scienza, Molinette Hospital, Turin, Italy

**Paolo Rotelli** | President of San Donato Group, Milan, Italy

**Loris Salvador** | Director of Cardiac Surgery, San Bortolo Hospital, Vicenza, Italy

**Peyman Sardari Nia** | Senior Consultant Cardiothoracic Surgeon, Department of Cardiothoracic Surgery, Maastricht University Medical Center, Netherlands

**Sahin Senay** | Professor, Cardiovascular Surgery, Acibadem University, School of Medicine, Istanbul, Türkiye

**Sadiq Siddiqui** | Cardiothoracic Surgeon, University College Hospital, Galway, Ireland

**Miriam Silaschi** | Attending Cardiac Surgeon, University Hospital, Bonn, Germany

**Marco Solinas** | Chairman at the Cardiac Surgery Department, Heart Hospital, Fondazione Toscana G. Monasterio, Massa, Italy

**Piotr Suwalski** | Head and Professor of the Department of Cardiac Surgery at the Central Clinical Hospital of the Ministry of Interior and Administration, Centre of Postgraduate Medical Education, Warsaw, Poland

**Giorgia Uva** | Nurse, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Frank Van Praet** | Chair of Cardiac Surgery and Co-Director at the Cardiovascular Center OLV, Aalst, Belgium

**Karel Van Praet** | Cardiac Surgeon, Aalst, Belgium

**Hugo Vanermen** | Cardiothoracic Surgeon, University Hospital, Brussels, Belgium

**Tommaso Viva** | Cardiologist, Minimally Invasive Cardiac Surgery Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

**Alexander Weymann** | Department of Cardiac Surgery, University Hospital Oldenburg, European Medical School Oldenburg-Groningen, Carl von Ossietzky University Oldenburg, Oldenburg, Germany

**Rashmi Yadav** | Cardiothoracic Surgeon, Royal Brompton Hospital, London, UK

**Joseph Zacharias** | Consultant Cardiothoracic Surgeon, Lancashire Cardiac Centre, Blackpool, UK

**Kostantinos Zannis** | Head of the Cardiac Surgery Department of the Institut Mutualiste Montsouris, Paris, France

**Carlo Zingaro** | Cardiac Surgeon, Lancisi Cardiovascular Center, Ospedali Riuniti di Ancona, Italy

## GENERAL INFORMATION

### Meeting website

<https://www.ecsclub.org/event/endoscopic-cardiac-surgeons-club-next-annual-meeting>

### Online registration

<http://noemacongressi.onlinecongress.it/ECSCAnnualMeetingMilan2023>

### Registration fees

- Standard Registration (before November 15<sup>th</sup>): € 200,00\*
- On-site Registration: € 300,00\*
- Resident: € 150,00\*
- Medical Student: free

\*22% VAT included

### Registration fees include:

- admittance to all Scientific Sessions
- access to the Exhibition Area & Training Village
- congress kit
- catering services at IRCCS Galeazzi-Sant'Ambrogio Hospital

### Official language

The official language of the Meeting is English.

### Certification of attendance

Certificates of attendance will be sent by e-mail after the end of the Conference.

### Training Village

The Training Village sessions will focus on the demonstration of minimally invasive surgery of the mitral and aortic valve, through the endoscopic approach. The area will be set up right next to the Foyer of the Exhibitors' booths and it will be open:

- on **Friday, November 17<sup>th</sup> from 9.00 to 11.00 and from 14.30 to 18.00**
- on **Saturday, November 18<sup>th</sup> from 9.00 to 11.00**

Access is free for all those registered for the Conference.

### Meeting venue

IRCCS Galeazzi - Sant'Ambrogio Hospital  
Auditorium - 1<sup>st</sup> floor  
Via Cristina Belgioioso, 173  
20157 Milan (Italy)

### How to reach IRCCS Galeazzi-Sant'Ambrogio Hospital

#### By public transport

Metro Line MM1 Red - Rho Fiera Milano station  
Once you arrive at Rho Fiera Milano, follow the signs for the railway station and then for MIND Milano Innovation District/Viale Risorgimento.  
It's easy to reach Galeazzi-Sant'Ambrogio hospital by a **regular free shuttle service**, active from Monday to Sunday from 6 am to 11 pm, departing every 10 minutes (20 minutes at off-peak times).  
Otherwise it is possible to get to the hospital by **10 minutes walk**.

#### By car

The hospital offers the following toll parking options:

In the hospital area:

- P1 (243 parking spaces, both on the surface and underground)
- P2 (75 parking spaces on the surface).

In Rho, which is connected by free shuttle every 10 minutes (20 minutes at off-peak times):

- Multi-level parking lot with 900 parking spaces on Risorgimento Street.

### Conference dinner

*Friday - November 17<sup>th</sup>*

**20.00 Standing dinner reception at Armani Silos**

Via Bergognone, 40 - 20144 Milan

- Dinner fee: € 100,00 + 22% VAT
- Transfer from the Conference Venue at 19.30: € 20,00 + 22% VAT

Guests will enjoy this unique exhibition space which reinforces the designer's aesthetic philosophy and creative dynamism.

Besides will be offered a guided visit of Giorgio Armani Permanent Collection, to explore the key themes of the exhibition for an in-depth look at Giorgio Armani's main source of inspiration and the Temporary Exhibition of the French photographer Guy Bourdin: Storyteller.

The dinner is reserved for a limited number of people.

### EACCME credits

The Endoscopic Cardiac Surgeons Club Annual Meeting - Following "The Edge of Tomorrow", Milan, Italy 16/11/2023 - 18/11/2023, has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **15.0 European CME credits** (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at <https://edhub.ama-assn.org/pages/applications>.

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



## SPONSORED SATELLITE SYMPOSIA

### THURSDAY - NOVEMBER 16<sup>th</sup>, 2023

18.40 - 19.25

SATELLITE SYMPOSIUM

#### Goal directed perfusion

Moderators: Silvia Cirri, Mattia Glauber

- Paving the way in patient-tailored clinical perfusion management  
*Marco Ranucci*
- Clinical approach and quality in ECC, the perfusionist point of view  
*Ignazio Juri Condello*

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### FRIDAY - NOVEMBER 17<sup>th</sup>, 2023

13.10 - 14:10

LUNCH BREAK & SATELLITE SYMPOSIUM

#### Endoscopic surgery enhances AF ablation treatments

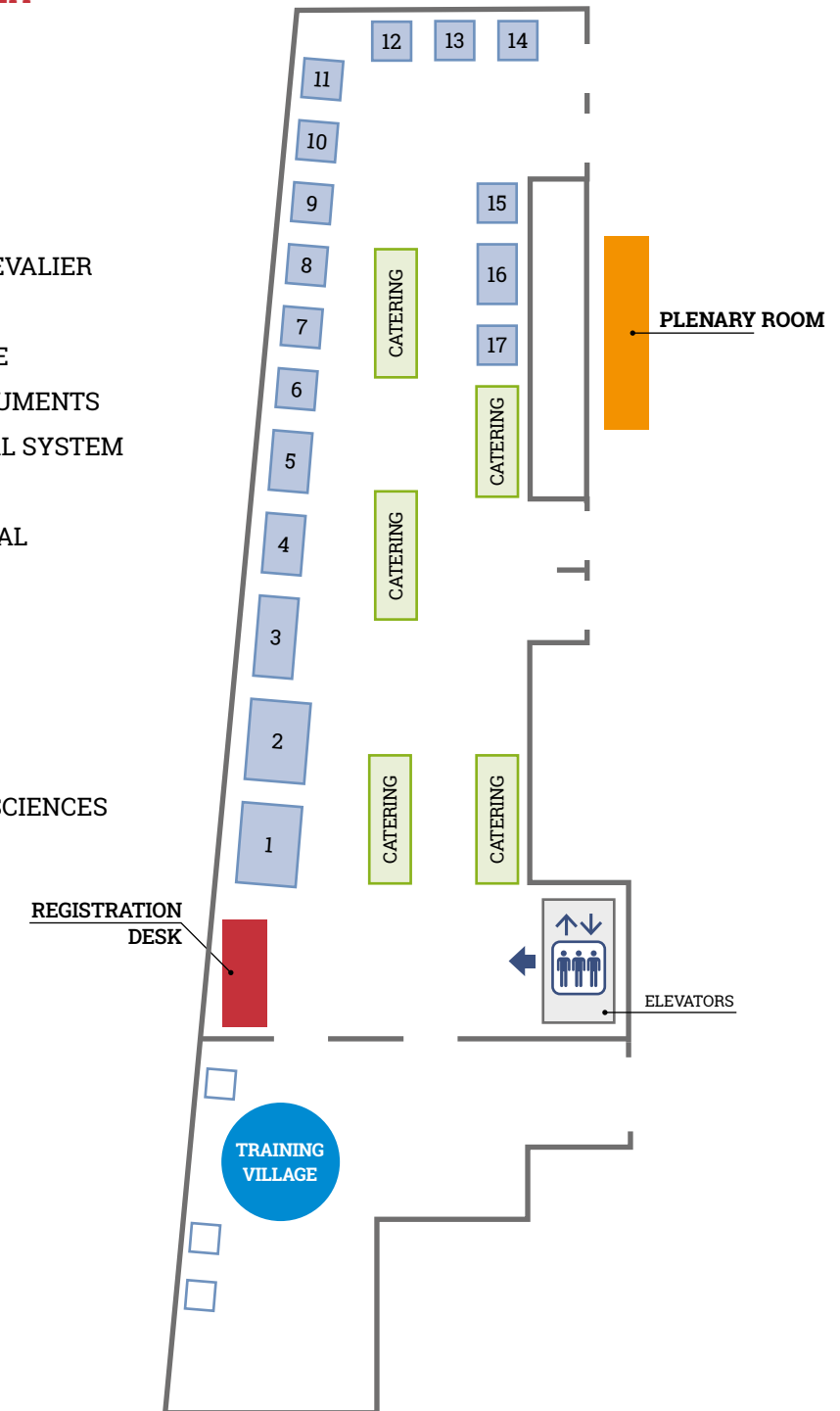
- Surgical AF ablation in endoscopic surgery: how to do it?  
*Piotr Suwalski*
- Hybrid AF ablation with Totally Thoracoscopic approach: how to do it?  
*Tommaso Gasbarri*
- Hybrid AF ablation with Subxiphoid approach: how to do it?  
*Kostantinos Zannis*

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## EXHIBITION AREA

1. ATRICURE
2. LSI SOLUTIONS
3. MEDTRONIC
4. TERUMO
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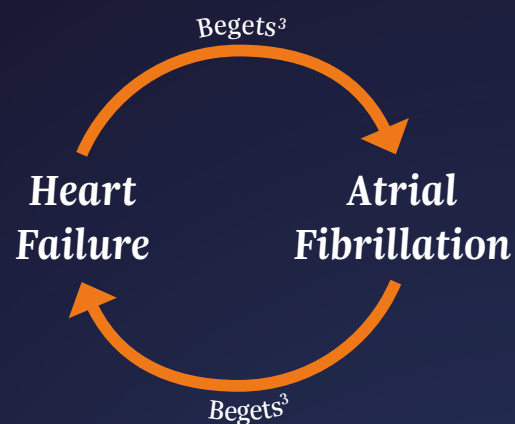
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**Break** the cycle



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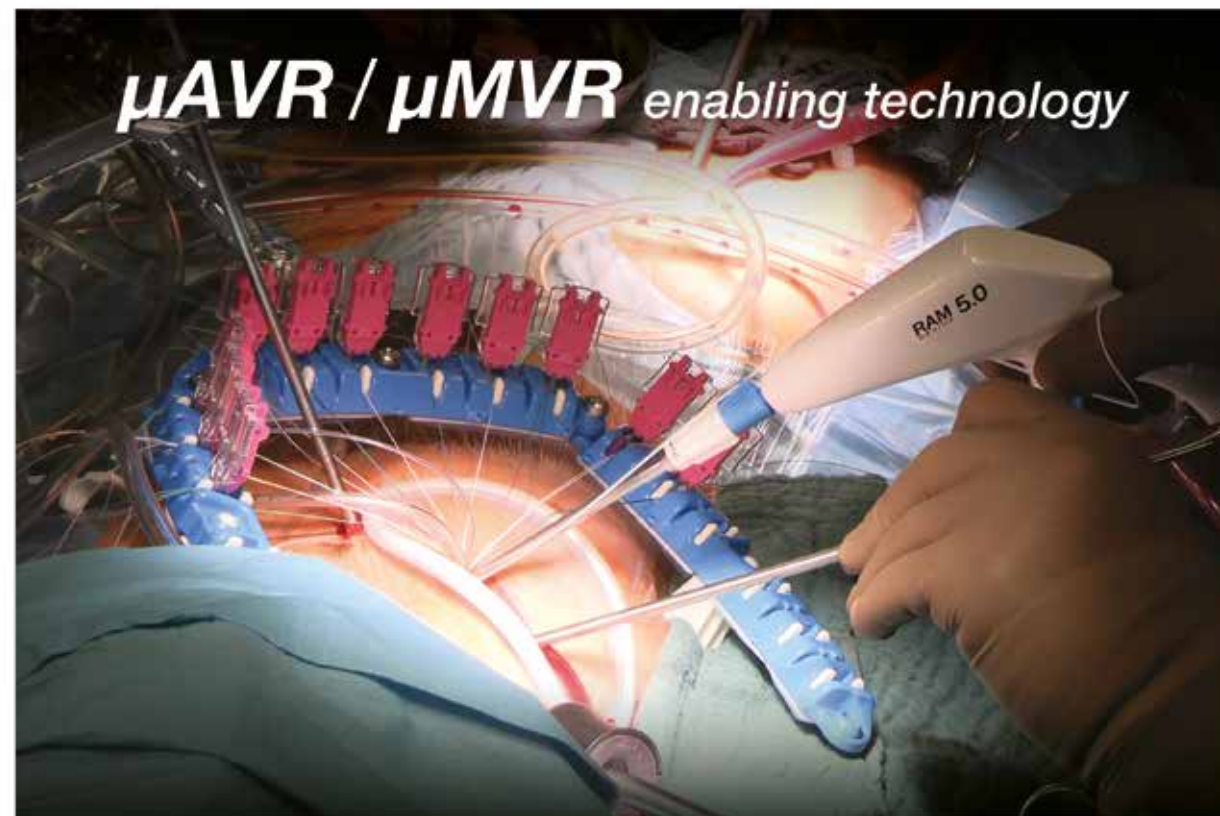


Performing a concomitant surgical ablation at the time of heart surgery gives patients **the best chance**<sup>1-2</sup> to return to sinus rhythm, reduce the burden of AF, and restore normal heart function.

1. Gaynor, S.L. et al. (2015). Surgical treatment of atrial fibrillation: predictors of late recurrence. *J Thorac Cardiovasc Surg*, 129(1):104-11.
2. Kirchhof, P. et al. (2016). 2016 ESC guidelines for the management of atrial fibrillation developed in collaboration with EACTS: the Task Force for the management of atrial fibrillation of the European Society of Cardiology (ESC) developed with the special contribution of the European Heart Rhythm Association (EHRA) of the ESC Endorsed by the European Stroke Organization (ESO). *Europace*, 18(11):1455-90.
3. Maisel, W.H., & Stevenson, L.W. (2003). Atrial fibrillation in heart failure: epidemiology, pathophysiology, and rationale for therapy. *Am J Cardiol*, 91(6A):2D-8D.



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The Essenz Patient Monitor software is a modularly structured software program package that is exclusively used with LivaNova heart-lung machines. The system allows detailed recording of perfusion data during cardiopulmonary bypass procedures as well as the processing and evaluation of this data. The data may be recorded automatically or entered manually. The LivaNova Perfusion System Monitor is a panel PC intended to be exclusively used with LivaNova heart lung machines as a base and user interface for the Essenz Patient Monitor software.

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