

ANNUAL MEETING

Following "THE EDGE OF TOMORROW"



November 16th-18th, 2023

Milan - Italy

IRCCS Galeazzi - Sant'Ambrogio Hospital

Preliminary program

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 announce our **next event in the new IRCCS Galeazzi-Sant'Ambrogio hospital in Milan, Italy on the 16th - 18th 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**

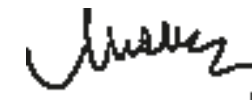
We look forward to welcoming you all in Milan and enjoying this exciting new experience at the forefront of cardiac surgery.

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 16th, 2023

- 14:00 - 14:15 • **Welcome and opening**
• *Mattia Glauber, Patrick Perier*
- 14:15 - 14:25 • **Welcome from the President of the Italian Society of Cardiac Surgery (SICCH)**
• *Alessandro Parolari*
- 14:25 - 14:35 • **Welcome from CEO of IRCCS Galeazzi-Sant'Ambrogio Hospital**
• *Roberto Crugnola*
- 14:35 - 15:15 LIVE-IN-A-BOX SESSION
Endoscopic solutions for the aortic valve and aorta
Moderators: *Marco Di Eusano, Nermir Granov, Tommaso Hinna-Danesi, Karel Van Praet*
- Ascending aorta replacement
Loris Salvador
 - Robotic AVR with Sutureless valve
Husam Balkhy
 - Endoscopic AVR with Rapid Deployment valve
Marco Solinas
 - Totally endoscopic AVR
Alaaddin Yilmaz
 - Routine use of automated suturing devices
Toufan Bahrami
- 15:15 - 17:15 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: *Fernanda Bordinon* - Nurse: *Chiara Milanese*
Chairmen: *Husam Balkhy, Günther Laufer*
Live commentary from the OR: *Niv Ad*
Discussants: *Mohamed Bentala, Markus Czesla, Toshiaki Ito, Loris Salvador, Peyman Sardari Nia*

- 17:15 - 17:30 LIVE-IN-A-BOX SESSION
Pre-op planning & endoscopic solutions in congenital heart disease
Moderators: *Gianluigi Bisleri, Davide Ricci, Daniel Pereda, Rashmi Yadav*
- AV canal & mitral repair
Antonios Pitsis
 - Atrial septal defect
Joerg Kempfert
 - A.I. and CT Echo-Fusion for endoscopic AVR planning
Apostolia Marvaki
- 17:30 - 17:45 • **Video Competition Awards**
- 17:45 - 17:55 LECTURE
VHD Guidelines in 2030 - What should we expect? The vision of a clinical cardiologist
Massimo Piepoli - Introduced by Alessandro Parolari
- 17:55 - 18:05 LECTURE
VHD Guidelines in 2030 - What should we expect? The vision of a cardiac surgeon
Michele De Bonis - Introduced by Giulio Guagliumi
- 18:05 - 18:15 LECTURE
Endoscopic cardiac surgery as an alternative to trans-catheter interventions
Francesco Maisano - Introduced by Hugo Vanermen
- 18:15 - 19:00 • **Satellite Symposium: Goal Directed Perfusion**
- 19:15 • Aperitive and light dinner

DAY 2: FRIDAY - NOVEMBER 17th, 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
 - The Roman Arch Technique - "Why and How I do it"
Theodor Kofidis
 - 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: *Helga Pavani* - Nurse: *Giorgia Uva*
Chairmen: *Ottavio Alfieri, Patrick Perier*
Live commentary from the OR: *Frank Van Praet*
Discussants: *Marco Diena, Ernesto Greco, Huiming Guo, Rodrigo Ribeiro De Souza, Peyman Sardari Nia*
- 12:00 - 12:30 LIVE-IN-A-BOX SESSION
Endoscopic solutions to complex mitral valve pathology
Moderators: Tomas Holubec, Hugues Jeanmart, Loris Salvador, Marco Solinas
- 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

- 12:30 - 13:15 MAGISTRAL LECTURE
"My dream about MICS: a lifelong commitment for a vision"
Frederich Mohr - Introduced by Hugo Vanermen
- 13:15 - 14:15 ☺ Lunch break with Satellite Symposium
- 14:15 - 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: *Helga Pavani* - Nurse: *Silvia Miglio*
Chairmen: *Lenard Conradi, Hermann Reichensperner*
Live commentary from the OR: *Joseph Zacharias*
Discussants: *Niv Ad, Martin Andreas, Nikolaos Bonaros, Fitsum Lakew, Mauro Rinaldi*
- 17:30 - 18:30 LIVE-IN-A-BOX SESSION
Enabling technology and management of complications
Moderators: Francesca Chiamonti, Paradorn Jetwanna, Antonio Miceli, Patrick Perier
- Percutaneous occlusion of the SVC and IVC in redo cases
Gianluigi Bisleri
 - Endocardial occlusion of the SVC and IVC in redo cases
Mattia Glauber
 - New silastic sizers for endoscopic mitral surgery
Dincer Aktuerk
 - Use of sealants in endoscopic surgery
Sahin Senay
 - My worst complication: ECS Club steering group

DAY 3: SATURDAY - NOVEMBER 18th, 2023

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|---------------|---|
| 09:00 - 09:30 | <div>LIVE-IN-A-BOX SESSION</div> <div>Pushing the boundaries with endoscopic surgery</div> <div>Moderators: <i>Farhad Bakhtiary, Soh Hosoba, Toshiaki Ito, Piotr Suwalski</i></div> <div><ul style="list-style-type: none">• Endoscopic AVR and ascending aorta replacement <i>Farhad Bakhtiary</i>• Endoscopic triple valve <i>Tommaso Hinna-Danesi</i>• Trans-aortic miectomy in HOCM <i>Antonios Pitsis</i>• Trans-mitral miectomy in HOCM <i>Huiming Guo</i></div> |
| 09:30 - 12:00 | <div>LIVE 3D/4K CASE #4</div> <div>Endoscopic Sutureless AVR & mitral repair</div> <div>Case introduction: <i>Bleri Celmata</i></div> <div>Surgeons: <i>Mattia Glauber, Antonio Miceli</i></div> <div>Anesthetist: <i>Chiara Gallazzi</i></div> <div>Echocardiography: <i>Tommaso Viva</i></div> <div>Perfusionist: <i>Martina Assandri</i> - Nurse: <i>Miriam Manzo</i></div> <div>Chairmen: <i>Joerg Kempfert, Peter Knight</i></div> <div>Live commentary from the OR: <i>Mario Castillo-Sang</i></div> <div>Discussants: <i>Niv Ad, Max Baghai, Umberto Benedetto, Andreas Liebold, Ludwig Müller</i></div> |
| 12:00 - 13:00 | <div>LIVE-IN-A-BOX SESSION</div> <div>Endoscopic coronary surgery: the final frontier?</div> <div>Moderators: <i>Olexandr Babliak, Fabio Bartolozzi, Mario Castillo-Sang, Rodrigo Ribeiro De Souza, Marco Solinas</i></div> <div><ul style="list-style-type: none">• Endoscopic radial harvesting <i>Sadiq Siddiqui</i>• Endoscopic vein harvesting <i>Carlo Zingaro</i>• Sub-xiphoid BIMA harvesting <i>Joseph Zacharias</i>• Minithoracotomy direct vision multi-vessel bypass <i>Olexandr Babliak</i>• Totally endoscopic multivessel CABG <i>Alaaddin Yilmaz</i>• Robotic TECAB multivessel revascularization <i>Husam Balkhy</i></div> |
| 13:00 | <div><ul style="list-style-type: none">• Closing remarks and wrap-up• <i>Mattia Glauber, Patrick Perier</i></div> |

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)

FACULTY*

Niv Ad | Cardiothoracic Surgeon, Washington Adventist Hospital and University of Maryland, Takoma Park, 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

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

Max Baghai | Consultant Cardiothoracic Surgeon, Department of Cardiovascular Medicine, King's College Hospital NHS Foundation Trust, London, UK

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

Nadia Barranca | Anesthetist, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

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

Gianluigi Bisleri | Associate Professor at the University of Toronto, Cardiac Surgeon, Toronto, Canada

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

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

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

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

Giulio Guagliumi | Head of Innovation in Interventional Cardiology and Clinical Research Area, Cardiology Unit, Galeazzi-Sant'Ambrogio Hospital, Milan, Italy

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

Tommaso Hinna-Danesi | Cardiac Surgeon, Minimally Invasive and Endoscopic Cardiac Surgery Program Director, San Bortolo Hospital, Vicenza, Italy

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

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

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

Miriam Manzo | 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 Milanesi | 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

Daniel Pereda | Section Chief of Cardiac Surgery, Hospital Clinic; Associate Professor of Surgery, University of Barcelona, Spain

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

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

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

Alaaddin Yilmaz | Chief Cardiac Surgeon, Department of Cardiothoracic Surgery, Jessa Hospital, Hasselt, Belgium

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

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

** Faculty subject to change.*

GENERAL INFORMATION

Meeting website

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

Venue

IRCCS Galeazzi - Sant'Ambrogio Hospital
Via Cristina Belgioioso, 173
20157 Milan (Italy)

Official language

The official language of the Meeting is English.

Exhibition area

A technical exhibiton will take place throughout the Meeting.

Registration fees*

- Standard Registration (before November 15th): € 200,00
- On-site Registration: € 300,00

**22% VAT included*



ORGANIZING SECRETARIAT

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