

SCIENTIFIC PROGRAM AND PRESENTATIONS

Save the Date!

17th
WORLD CONGRESS of
ARRHYTHMIAS
2 - 4 NOVEMBER, 2023 İSTANBUL

Arrhythmia World meets where the Continents meet!

World Society of Arrhythmias
Global Arrhythmia Collaboration

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NOVEMBER 2

THURSDAY

HALL 1

08:30 - 09:30

Best ICD option for Patients with no Pacing Indication

Chairperson: *Dicky Hanafi (ID), Maggie Infeld (US)*

08:30 - 08:40 Transvenous ICD

Speaker: [Carlos Morillo \(CA\)](#)

08:40 - 08:50 Totally Subcutaneous-ICD

Speaker: [Ali Oto \(TR\)](#)

08:50 - 09:00 Substernal Extravascular-ICD

Speaker: [Bradley Knight \(US\)](#)

09:00 - 09:30 Discussion

09:30 - 10:30

Challenging clinical scenarios in anticoagulation for stroke prevention in atrial fibrillation

Chairperson: *Oscar Oseroff (AR), Riccardo Cappato (IT)*

09:30 - 09:40 Extremes of body weight, too low or too high

Speaker: [Luciana Sacilotto \(IT\)](#)

09:40 - 09:50 Multimorbidity, polypharmacy and frailty

Speaker: [Ashley Chin \(ZA\)](#)

09:50 - 10:00 End stage renal failure

Speaker: [Sema Güneri \(TR\)- This presenter did not share her presentation](#)

10:00 - 10:10 Recent serious bleeding event eg intracranial bleeds

Speaker: [Farid Aliyev \(TR\)](#)

10:10 - 10:20 Oral anticoagulation in patients with atrial high rate episodes:What we have learned from NOAH-AFNET 6

Speaker: [Ferit Onur Mutluer \(TR\)](#)

10:20 - 10:30 Discussion

10:30 - 10:45

COFFEE BREAK

10:45 - 11:45

Pacing 2023 – from ESC guidelines to the future

Chairperson: [Ayşen Ağaçdiken Ağır \(TR\),Bela Merkely \(HU\)](#)

10:45 - 10:55 Overview of news and controversies in the 2021 guidelines

Speaker: [Michael Glikson \(IL\)- This presenter did not share his presentation](#)

10:55 - 11:05 Conduction system pacing – time to revise the guidelines?

Speaker: [Laszlo Geller \(HU\)- This presenter did not share his presentation](#)

11:05 - 11:15 Other areas of controversy in the 2021 Guidelines

Speaker: [Jeffrey Winterfield \(US\)](#)-This presenter did not share his presentation

11:15 - 11:25 EOL solutions for Leadless pacemakers

Speaker: [Rakesh Gopinathannair \(US\)](#)

11:25 - 11:45 Discussion

11:45 - 12:45

EHRA Joint Session

Towards optimal therapy of the twin epidemic heart failure and atrial fibrillation

Chairperson: *Jose Luis Merino (ES), Ali Oto (TR)*

11:45 - 11:57 Optimal medical therapy of AF in HFpEF and HFrEF

Speaker: [A John Camm \(UK\)](#)

11:57 - 12:09 Why and when ablation in HFpEF and HFrEF

Speaker: [Swati N. Rao \(US\)](#)

12:09 - 12:21 Time to forget AV -node ablation in AF and HF or not ?

Speaker: [Boris Schmidt \(DE\)](#)

12:21 - 12:33 How remote monitoring changed patient tailored HF and AF care ?

Speaker: [Kamal Sethi \(IN\)](#)

12:33 - 12:45 Discussion

12:45 - 13:30

LUNCH

13:30 - 14:30

HRS Joint Session

What is New in the CIED World

Chairperson: *Thomas Deering (US), Ali Oto (TR)*

13:30 - 13:40 Leadless pacing: What is on the Horizon? (AV conduction/pacing)

Speaker: [Christian Wolpert \(DE\)](#)

13:40 - 13:50 Conduction system pacing. Is it right for everyone?

Speaker: *Chu-Pak Lau (HK)*

13:50 - 14:00 Biventricular pacing:For whom is it still the paing of choice ?

Speaker: [Luca Santini \(IT\)](#)

14:00 - 14:10 What does the CIED clinic of the furture look like ?

Speaker: [Thomas Deering \(US\)](#)

14:10 - 14:30 Discussion

14:30 - 15:30

HRS Joint Session

An update on Arrhythmia Treatment

Chairperson: *Hugh Calkins (US),Oscar Oseroff (AR)*

14:30 - 14:40 Cryoenergy, Radiofrequency energy or pulse field energy for atrial fibrillation ablation: What does future look like?

Speaker: [Henry Huang \(US\)](#)

14:40 - 14:50 When to use left atrial appendage occlusion devices instead of anticoagulation: What do we know ?

Speaker: [Sema Güneri \(TR\)](#)

14:50 - 15:00 Anticoagulation for atrial fibrillation:Simple or confusing?

Speaker: [A John Camm \(UK\)](#)

15:00 - 15:10 Treatment for persistent atrial fibrillation. Do we know where we are going ?

Speaker: [Paul Zei \(US\)](#)

15:10 - 15:20 Mitral valve prolapse, dysjunction and arrhythmias

Speaker: [Jean-Claude Deharo \(FR\)](#)

15:20 - 15:30 Discussion

15:30 - 15:45

COFFEE BREAK

15:45 - 16:45

Standard of Care in CRT patients - new options and optimizations-I

Chairperson: *Bela Merkely (HU), Ömer Akyürek (TR), Haruhiko Abe (JP)*

15:45 - 15:55 CRT-Upgrade: What we have learned from the BUDAPEST CRT Upgrade Study

Speaker: [Bela Merkely \(HU\)](#)

15:55 - 16:05 Physiological Pacing (LBBA and His)

Speaker: [Wei Hua \(CN\)](#)

16:05 - 16:15 CRT with two leads

Speaker: [Erol Tülümen \(TR\)](#)

16:15 - 16:25 Advancements in remote heart failure diagnostics for device patients

Speaker: [Luca Santini \(IT\)](#)

16:25 - 16:35 How to combine CRT use with optimal medical treatment

Speaker: [Anne Kroman \(US\)](#)- This presenter did not share her presentation

16:35 - 16:45 CRT-P vs. CRT-D - Individualized management of heart failure patients

Speaker: [Christian Wolpert \(DE\)](#)

16:45 - 17:45

CCF Session

An Update in CIED's for practice

Chairperson: *Ali Oto (TR), Zahra Emkanjoo (IR), Cengiz Ermış (TR)*

16:45 - 17:00 Left Bundle Branch Area Pacing: Is it ready for prime time ?

Speaker: [John Rickard \(US\)](#)

17:00 - 17:15 What is new in pacemaker technology to improve my practice

Speaker: [Yengi Umut Celikyurt \(TR\)](#)

17:15 - 17:30 How should I use the data from the CIED's ?: AHRE , VHRE, etc.

Speaker: [Murat Özdemir \(TR\)](#)

17:30 - 17:45 The safety of MRI scanning of patients with pacemakers and ICD

Speaker: [Ariel Roguin \(IL\)- This presenter did not share his presentation](#)

17:45 - 18:45

ITSC Session

Ablation of the Arrhythmias Originating from Aortic Cusps

Chairperson: *Sedat Köse (TR), Mehdi Taherpour (IR)*

17:45 - 17:55 Anatomy of the aortic cusps

Speaker: [Erol Tülümen \(TR\)](#)

17:55 - 18:05 Aortic cusp SVTs

Speaker: [Basri Amasyalı \(TR\)](#)

18:05 - 18:15 Ablation of RCC,R-LCC commissure,LCC Originated ventricular arrhythmias

Speaker: [Fethi Kılıçaslan \(TR\)](#)

18:15 - 18:25 Ablation of the ventricular arrhyhmias originated from the NCC

Speaker: [Veysel Kutay Vurgun \(TR\)](#)

18:25 - 18:45 Panel Discussion

Panelist: *Zahra Emkanjoo (IR), Mervat Aboulmaaty (EG), Ali Bozorgi (IR)*

HALL 2

08:30 - 09:30

Physiological Pacing: New Knowledge and Advances I

Chairperson: *Luca Santini (IT), Mervat Aboulmaaty (EG)*

08:30 - 08:40 LBBAP for patients with bradycardia

Speaker: [Mihail Chelu \(US\)](#)

08:40 - 08:50 CSP-CRT versus BiV-CRT – An update of available evidence

Speaker: [Vidal Essebag \(CA\)](#) - This presenter did not share his presentation

08:50 - 09:00 Lead Technique and Defining the Conduction System Capture

Speaker: [Timothy Larsen \(US\)](#)

09:00 - 09:30 Discussion

09:30 - 10:30

Pulsed Field Ablation: The promise, technology and the questions I

Chairperson: *Josef Kautzner (CZ),Ali Oto (TR)*

09:30 - 09:40 Building a better PFA lesion

Speaker: [Josef Kautzner \(CZ\)](#)

09:40 - 09:50 Pulsed Field Ablation for Ventricular Substrates

Speaker: [Luigi DiBiase \(US\)-This presenter did not share his presentation](#)

09:50 - 10:00 Innovative methods for PFA delivery

Speaker: [Jacob Koruth \(US\)](#)- This presenter did not to share his presentation

10:00 - 10:30 Discussion

10:30 - 10:45

COFFEE BREAK

10:45 - 11:45

Pulsed Field Ablation: The promise, technology and the questions II

Chairperson: [Josef Kautzner \(CZ\)](#),[Swati N. Rao \(US\)](#)

10:45 - 10:55 Mechanism of pulsed field ablation and optimizing for clinical applications

Speaker: [Ante Anic \(HR\)](#)

10:55 - 11:05 Durability of PVI with Pulsed Field Ablation

Speaker: [Josef Kautzner \(CZ\)](#)

11:05 - 11:15 European Real world experience: PFA and comparison to other PVI modalities

Speaker: [Boris Schmidt \(DE\)](#)

11:15 - 11:25 Evolution of PVI Technologies

Speaker: [Tom De Potter \(BE\)](#)- This presenter did not share his presentation

11:25 - 11:45 Discussion

11:45 - 13:00

AF Ablation in 2023

Chairperson: *Philipp Sommer (DE), Tolga Aksu (TR)*

11:45 - 11:55 AF Ablation Technologies in 2023 – Best way to Achieve PVI

Speaker: [Jason Andrade \(CA\)](#)

11:55 - 12:05 Using Digital health tools to screen for AF

Speaker: [Dominik Linz \(NL\)](#)

12:05 - 12:15 Mapping persistent AF: What we have learned in the last decade?

Speaker: [Tina Baykaner \(US\)](#)

12:15 - 12:25 Scar Based Ablation

Speaker: [Christian Sohns \(DE\)](#)

12:25 - 12:35 Personalizing Invasive AF Management – Does AI Have a Role?

Speaker: [Ruben Casado Arroyo \(BE\)](#)

12:35 - 13:00 Discussion

13:00 - 13:30

LUNCH

13:30 - 14:30

Minimizing Fluoroscopy in the EP Lab I

Chairperson: *Bradley Knight (US), Sedat Köse (TR)*

13:30 - 13:40 Teaching an old dog new tricks: Why go fluoroless in the EP lab?

Speaker: [Paul Zei \(US\)](#)

13:40 - 13:50 Fluoroless ablation for complex arrhythmias: Skin-to-skin

Speaker: [Mansour Razminia \(US\)-This presenter did not share his presentation](#)

13:50 - 14:00 Zero Fluoroscopy for cryoballoon ablation: Leveraging tips and tricks

Speaker: [Hany Demo \(US\)-This presenter did not share his presentation](#)

14:00 - 14:10 Radiation in the cath-lab: The hazards and ways to decrease it

Speaker: [Ariel Roguin \(IL\)-This presenter did not share his presentation](#)

14:10 - 14:30 Discussion

14:30 - 15:30

Neuromodulation for Bradyarrhythmia

Chairperson: *Piotr Kulakowski (PL), Dan Wichterle (CZ)*

14:30 - 14:40 Anatomy of intrinsic cardiac ANS

Speaker: [Peter Hanna \(US\) - This presenter did not share his presentation](#)

14:40 - 14:50 CNA for VVS: Right atrium only, bi-atrial, or left atrium only

Speaker: [Dan Wichterle \(CZ\)](#)

14:50 - 15:00 What we learnt from controlled trials

Speaker: [Roman Piotrowski \(PL\)](#)

15:00 - 15:10 CNA for AVB

Speaker: [Tolga Aksu \(TR\)](#)

15:10 - 15:20 Ventricular proarrhythmia and cardiovascular autonomic dysreflexia after CNA

Speaker: [Olujimi Ajijola \(US\)- This presenter did not share his presentation](#)

15:20 - 15:30 Panel Discussion

Discussant: [Kalyanam Shivkumar \(US\)- This presenter did not share his presentation](#)

15:30 - 15:45

COFFEE BREAK

15:45 - 16:45

Atrioesophageal Fistula, the risk still persists?

Chairperson: *Christian Sohns (DE), Henry Huang (US)*

15:45 - 15:55 Esophageal temperature monitoring is essential for preventing AEF

Speaker: [Benhur Henz \(BR\)](#)

15:55 - 16:05 Esophageal Cooling can prevent AEF

Speaker: [Göksel Çinier \(TR\)](#)

16:05 - 16:15 Can pulsed field ablation eliminates all risks of AEF

Speaker: [Luigi DiBiase \(US\)](#)- This presenter did not share his presentation

16:15 - 16:25 Can cryoballoon ablation eliminates all risks of AEF

Speaker: [Kivanç Yalın \(TR\)](#)

16:25 - 16:45 Discussion

16:45 - 18:00

Reflex syncope: State of Art in 2023

Chairperson: *Richard Sutton (MC), Carlos Morillo (CA)*

16:45 - 16:55 Diagnostic Approach

Speaker: [Artur Fedorowski \(SE\)](#)

16:55 - 17:05 Drug Therapy: When and Whom

Speaker: [Satish Raj \(CA\)](#)

17:05 - 17:15 Cardioneuroablation: When and Whom?

Speaker: [Tolga Aksu \(TR\)](#)

17:15 - 17:25 Pacing: When and Whom?

Speaker: [Rakesh Gopinathannair \(US\)](#)

17:25 - 18:00 Discussion

HALL 3

08:30 - 09:30

Update of Inherited Arrhythmia Syndromes

Chairperson: *Erol Tülämen (TR), Zaid Aziz (US)*

08:30 - 08:45 Update in Ion Channel Disease

Speaker: [Christian Wolpert \(DE\)](#)

08:45 - 09:00 Risk stratification and therapy of Brugada syndrome

Speaker: [Arif Elvan \(NL\)](#)

09:00 - 09:15 Catheter ablation of Brugada syndrome and early repolarization syndrome

Speaker: [Shih-Ann Chen \(TW\)](#)

09:15 - 09:30 Updates in ARVC

Speaker: [Hugh Calkins \(US\)](#)

09:30 - 10:30

International Arrhythmia School at World Society of Arrhythmias / Joint Session with Canadian Heart Rhythm Society

Lessons from the Population Studies in Atrial fibrillation

Chairperson: *Jason Andrade (CA), Thomas Deering (US)*

09:30 - 09:40 Pharmacology of atrial fibrillation on population level: New lessons, beyond RCTs

Speaker: [Mohammed Shurrab \(CA\)](#)

09:40 - 09:50 Lifestyle changes and atrial fibrillation on population level

Speaker: [Ratika Parkash \(CA\)](#)

09:50 - 10:00 Atrial fibrillation in athletes

Speaker: [Ibrahim Marai \(IL\)- This presenter did not share his presentation](#)

10:00 - 10:30 Discussion

10:30 - 10:45

COFFEE BREAK

10:45 - 11:45

International Arrhythmia School at World Society of Arrhythmias

Cardiac Monitoring for Cardiac Arrhythmia Management: Conceptual Overview, Interpretation and Reporting

Chairperson: *Marc W. Deyell (CA), Luca Santini (IT)*

10:45 - 10:55 Cardiac Monitoring: What is the normal result?

Speaker: [Marc W. Deyell \(CA\)](#)

10:55 - 11:05 Long-term Cardiac Rhythm Monitoring: New Technologies for New Fields of Application

Speaker: [Luca Santini \(IT\)](#)

11:05 - 11:15 Holter tracing review

Speaker: [Ebru Gölcük \(TR\)](#)

11:15 - 11:45 Discussion

11:45 - 12:45

International Arrhythmia School at World Society of Arrhythmias

Atrium and Cardiac Implantable Devices

Chairperson: *Sabri Demircan (TR), Oscar Oseroff (AR)*

11:45 - 11:55 Lead choice for atrial pacing and monitoring

Speaker: [Ferit Onur Mutluer \(TR\)](#)

11:55 - 12:05 Atrial pacing and atrial fibrillation

Speaker: [Ratika Parkash \(CA\)](#)

12:05 - 12:15 VDD vs DDD lead based and lead-less pacing systems

12:15 - 12:25 VDD ICD and VDD CRT

Speaker: [Mohammed Shurrab \(CA\)](#)

12:25 - 12:45 Discussion

12:45 - 13:30

LUNCH

13:30 - 14:30

How to Use Various Technologies Perform PVI

Chairperson: *Philipp Sommer (DE), Tina Baykaner (US), Tolga Aksu (TR)*

13:30 - 13:40 Update of new ablation strategies for complex atrial tachycardia cases

Speaker: [Tina Baykaner \(US\)](#)

13:40 - 13:50 Using Point-by-Point RF ablation to Isolate the PVs

Speaker: [Hakan Oral \(US\)](#)

13:50 - 14:00 Using the Cryoballoon to Isolate the PVs

Speaker: [Philipp Krisai \(CH\)](#)

14:00 - 14:10 Using a Laser Balloon to Isolate the PVs

Speaker: [Henry Huang \(US\)](#)

14:10 - 14:20 Using PFA to Isolate the PVs

Speaker: [Jacob Koruth \(US\) - This presenter did not share his presentation](#)

14:20 - 14:30 Discussion

14:30 - 15:30

Silk Road HRS/WSA Joint Session

East meets West on the Silk Road in Turkey

Chairperson: [Ali Oto \(TR\), Roin Rekvava \(GE\), Masoud Eslami \(IR\)](#)

14:30 - 14:40 Ablation of AF in HF patients

Speaker: [Roin Rekvava \(GE\)](#)

14:40 - 14:50 Lead Extraction: Tips and Tricks

Speaker: [Reza Mollazade \(IR\)](#)

14:50 - 15:00 Arrhythmias in paediatric patients: challenges and contemporary management

Speaker: [Abai Turdubaev \(KG\)](#)

15:00 - 15:10 Catheter ablation as first-line therapy for structural VT?

Speaker: [Yan Yao \(CN\)](#)

15:10 - 15:20 Ablation of Atypical Flutter in HF patients

Speaker: [Ayan Abdurakhmanov \(KZ\)](#)

15:20 - 15:30 Discussion

15:30 - 15:45

COFFEE BREAK

15:45 - 16:45

Silk Road HRS/WSA Joint Session

Chairperson: *Ayan Abdurakhmanov (KZ), Yan Yao (CN)*

15:45 - 15:55 His bundle pacing in HF patients

Speaker: [Erkeaiym Murzalieva \(KG\)](#) -This presenter did not share her presentation

16:05 - 16:15 When should a patient with NIDM receive an ICD?

Speaker: [Adil Baimbetov \(KZ\)](#)

16:15 - 16:25 Cardiac contractility Modulation in HF

Speaker: [Damirbek Osmonov \(KG\)](#)

16:25 - 16:45 Discussion

16:45 - 18:00

ECAS Session

Risk of stroke in patients with subclinical atrial fibrillation

Chairperson: *Hugh Calkins (US), Thorsten Lewalter (DE)*

16:45 - 17:00 Various tools for subclinical AF detection

Speaker: [Dominik Linz \(NL\)](#)

17:00 - 17:15 Subclinical AF and the risk of stroke

Speaker: [A John Camm \(UK\)](#)

17:15 - 17:30 When oral anticoagulants are indicated?

Speaker: [Riccardo Cappato \(IT\)](#)

17:30 - 18:00 Discussion

HALL 4

08:30 - 12:30

Interactive EP International (IEPI)

Live and Recorded Cases: Neuromodulation

Moderator: *Sedat Köse (TR), Dhiraj Gupta (UK)*

08:30 - 09:40 Live Case: Cardioneuroablation

Case Presenter: *Tolga Aksu (TR), Rakesh Gopinathannair (US)*

09:40 - 10:00 Recorded/Broadcasted Cases: Case 1: Zero Fluoro CNA

Case Presenter: [Sri Sundaram \(US\)](#)- This presenter did not share his presentation

10:00 - 10:20 Recorded/Broadcasted Cases: Case 2: My Approach to CNA

Case Presenter: [Roman Piotrowski \(PL\)](#)

10:20 - 10:40 Recorded/Broadcasted Cases:Case 3: My Approach to CNA

Case Presenter: [Dan Wichterle \(CZ\)](#)

10:40 - 11:00 Recorded/Broadcasted Cases:Case 4: My Approach to CNA

Case Presenter: [Juan Zerpa \(BR\)](#)

11:00 - 11:20 Case 5 My Approach to CNA

Case Presenter: [Zaid Aziz \(US\)](#)

11:20 - 11:40 Case 6 : My Approach to CNA in a pediatric patient

Case Presenter: [Yakup Ergül \(TR\)](#)

11:40 - 12:30 Panel Discussion

Panelist: *Farid Aliyev (TR), Sabri Demircan (TR), Roin Rekvava (GE), Varun Maliki (AU)*

12:30 - 13:30

LUNCH BOX

13:30 - 17:30

Interactive EP International (IEPI)

Live and Recorded Cases: Device

Moderator: *Naeem A. AL Shoaibi (SA), Fethi Kılıçaslan (TR)*

13:30 - 14:30 Live Case: LB Area Pacing

Speaker: [Enes Elvin Gü \(SA\)- This presenter did not share his presentation](#)

14:30 - 14:50 Recorded/Broadcasted Cases: Case 1: Micra Implant

Case Presenter: [Naeem A. AL Shoaibi \(SA\)-This presenter did not share his presentation](#)

14:50 - 15:10 Recorded/Broadcasted Cases: Case 2: Leadless Abbott

Speaker: [Raed Sweidan \(US\)](#)

15:10 - 15:30 Recorded/Broadcasted Cases:Case 3: ICE guided Physiological Pacing

Case Presenter: [Vassil Traykov \(BG\)](#)

15:30 - 15:50 Recorded/Broadcasted Cases:Case 4: CRT implantation tips and tricks

Speaker: [Timothy Larsen \(US\)](#)

15:50 - 16:10 Case 5: My Approach to lead extraction

Case Presenter: [Mohammad Al Hajjiri \(JO\)](#)

16:10 - 17:30 Panel Discussion

Panelist: *Mervat Aboulmaaty (EG), Serdar Bozyel (TR), Enes Elvin Gül (SA), Göksel Çinier (TR)*

19:30 - 20:30

OPENING CEREMONY

19:30 - 19:50 Key Note Lecture:

Speaker: [Marie-Noelle S. Langan \(US\)](#)

HALL 6

10:00 - 11:00

Ablation Strategies and Outcomes

Chairperson: *Rakesh Gopinathannair (US), Arif Elvan (NL)*

10:00 - 10:10 ID 33 - Ablation Strategies and Outcomes in Idiopathic Scar-related Right Atrial Macroreentrant Tachycardia

Speaker: [Joseph Theodore \(IN\)- This presenter did not share his presentation](#)

10:10 - 10:20 ID 34 - Zero-Fluoroscopy Catheter Ablation In Pregnant: Dreams Come True

Speaker: [Aliya Smagulova \(KZ\)](#)

10:20 - 10:30 ID 57 - Zero fluoroscopic ablation of atrial tachycardia from NCC

Speaker: [Muralidharan Thoddi Ramamurthy \(IN\) - This presenter did not share his presentation](#)

10:30 - 10:40 ID 16 - Inflammatory Markers as Predictors of Atrial Fibrillation Recurrence: Exploring the C-Reactive Protein to Albumin Ratio in Cryoablation Patients

Speaker: [Eyüp Özkan \(TR\)](#)

10:40 - 10:50 ID 88 - Major complications in a large cohort of patients with structural heart disease undergoing catheter ablation for ventricular arrhythmias in a high-volume center

Speaker: [Jana Hašková \(CZ\)](#)

10:50 - 11:00 Discussion

11:15 - 12:25

New Horizons in Atrial Fibrillation Ablation

Chairperson: [Yan Yao \(CN\)](#), [Bülent Köktürk \(DE\)](#)

11:15 - 11:25 ID 31 - Vein of Marshall ethanol infusion performed one month before pulmonary vein isolation, and specific linear lesions set for ablation of persistent atrial fibrillation. A pilot study

Speaker: [Procolo Marchese \(IT\)](#) - This presenter did not share his presentation

11:25 - 11:35 ID 38 - Long-Term Follow-Up Results of Atrial Fibrillation Patients Who Underwent Pulmonary Vein Isolation Using the Cryoballoon and Radiofrequency Ablation and ORACL Score: A Simple Scoring System for the Late Atrial Tachyarrhythmia Recurrence Prediction

Speaker: [Ahmet Serdar Yılmaz \(TR\)](#) - This presenter did not share his presentation

11:35 - 11:45 ID 63 - Combination of left atrial appendage closure and catheter ablation in a single procedure for patients with atrial fibrillation. Mexican unicenter experience.

Speaker: [Luis Hernandez Urqueta \(MX\)](#)

11:45 - 11:55 ID 80 - Evaluation Of The Safety And One-Year Efficacy Of A Novel Hexaspline Pulsed Field Ablation System In Patients With Paroxysmal Atrial Fibrillation

Speaker: [Min Tang \(CN\)](#)

11:55 - 12:05 ID: 92 - Association Of Anemia With Diastolic Dysfunction Of The Left Ventricular Myocardium In Patients With Atrial Fibrillation And Heart Failure With Preserved Ejection Fraction

Speaker: [Mikhail Dzeshka \(BY\)](#)

12:05 - 12:15 ID:96- Butterfly view of interatrial septum during septostomy of atrial fibrillation cryoablation

Speaker: [Cenk Conkbayır \(TR\)](#)

12:15 - 12:25 ID:3 -Impact of catheter ablation for atrial fibrillation in patients with systolic dysfunction on the course of chronic heart failure: 12-month follow-up

Speaker: [Oleg Sapelnikov \(RU\)](#)

14:00 - 15:00

Cardiac Autonomic Functions and Role of Cardioneural Modulation

Chairperson: *Yan Yao (CN), Farid Aliyev (TR)*

14:00 - 14:10 ID 25 - Procedural and Intermediate-term Results of Electroanatomical-Guided Cardioneuroablation For Treatment of Atrioventricular Block: A Multicenter Study

Speaker: [Tolga Aksu \(TR\)](#)

14:10 - 14:20 ID 54 - Possible Effects of Cardiac Stimulation on the Vasovagal Reflex

Speaker: [Richard Sutton \(MC\)](#)

14:20 - 14:30 ID 7 - EVALUATION OF CARDIAC AUTONOMOUS FUNCTIONS IN PATIENTS WITH CHRONIC GLOMERULONEPHRITIS

Speaker: [Burcu Çakır \(TR\)](#)

14:30 - 14:40 ID 72 - Cardiac autonomic imbalance in patients with scleroderma

Speaker: [Gamze Yeter Aslan \(TR\)-This presenter did not share her presentation](#)

14:40 - 14:50 94 - Factors Associated with Brain MRI and EEG Overemployment in Patients with Typical Vasovagal Syncope

Speaker: [Ali Bozorgi \(IR\)](#)

14:50 - 15:00 Discussion

15:15 - 16:30

Back to the Future: Non-Invasive Electrocardiology for Clinical Practice

Chairperson: *Roman Piotrowski (PL),Iwona Cygankiewicz*

15:15 - 15:25 ID 30 - Evaluation of novel electrocardiography imaging system on non-invasively predict PVC ablation sites.

Speaker: [Procolo Marchese \(IT\)](#)

15:25 - 15:35 ID 56 - The Effects of Radiofrequency Ablation Therapy on The Tpeak to Tend Interval

Speaker: [Önder Öztürk \(TR\)-This presenter did not share his presentation](#)

15:35 - 15:45 ID 44 - Evaluation of electrocardiographic markers in Long COVID-19

Speaker: [Muammer Karakayali \(TR\)- This presenter did not share his presentation](#)

15:45 - 15:55 ID 15 - Assessment of ECG variables in patients with CTO revascularization: comparison of patients with evidence of ischemia versus patients with angina only

Speaker: [Muhammet Uyanık \(TR\)](#)

15:55 - 16:05 ID 40 - aVR-aVL Time To Nadir Of S Ratio: A Novel Method For Prediction Of Site Of Outflow Tract Premature Ventricular Contractions With Precordial V3 Transition

Speaker: [Alper Kepez \(TR\)](#)

16:05 - 16:30 Discussion

NOVEMB

ER 3

FRIDAY

HALL 1

08:30 - 09:30

Customized Therapies for Atrial Fibrillation

Chairperson: *Erol Tülmén (TR), Dhiraj Gupta (UK)*

08:30 - 08:40 Role of Genetic Testing in Patients with AF

Speaker: [Marwan Refaat \(LB\)](#)

08:40 - 08:50 Managing Patients with AF and HF

Speaker: [Erol Tülmén \(TR\)](#)

08:50 - 09:00 Pill-in-the-Pocket Anticoagulation and REACT-AF Trial

Speaker: [A John Camm \(UK\)](#)

09:00 - 09:10 The Mobile Health Technology for Improved Care in AF

Speaker: [Mahdu Reddy \(US\)](#)

09:10 - 09:30 Discussion

09:30 - 10:30

AF Ablation Cases; What Do the Experts Do?

09:30 - 09:40 Case 1: A Patient with Paroxysmal Atrial Fibrillation

Case Presenter: [Hugh Calkins \(US\)](#)

09:40 - 09:50 Case 2: A Patient with Persistent Atrial Fibrillation

Case Presenter: [Hugh Calkins \(US\)](#)

09:50 - 10:00 Case 3: A Patient with Longstanding Persistent Atrial Fibrillation

Case Presenter: [Hugh Calkins \(US\)](#)

10:00 - 10:30 Expert Discussion

Panelist: *Gerhard Hindricks (DE), Philipp Sommer (DE), Firat Duru (CH), Jose Luis Merino (ES), Bharat Kantharia (US), Hakan Oral (US)*

10:30 - 10:45

COFFEE BREAK

10:45 - 11:45

LAA closure – state of the art

Chairperson: [Ali Oto \(TR\)](#)

10:45 - 10:55 Update of new devices and strategies in LAA closure

Speaker: [Boris Schmidt \(DE\)](#)

10:55 - 11:05 Overview of the 2020 EHRA/EAPCI consensus paper

Speaker: [Michael Glikson \(IL\)](#)

11:05 - 11:15 New and controversial indications

Speaker: [Thorsten Lewalter \(DE\)](#)

11:15 - 11:25 Current status of antithrombotic therapy following LAA closure

Speaker: [Riccardo Cappato \(IT\)](#)

11:25 - 11:35 Leaks and device related thrombi – diagnosis, significance, treatment

Speaker: [Luigi DiBiase \(US\)- This presenter did not share his presentation](#)

11:35 - 11:45 Discussion

11:45 - 12:45

EHRA Joint Session

Ventricular arrhythmias and sudden cardiac death-A practical session

Chairperson: *Gerhard Hindricks (DE), Thomas Deering (US)*

11:45 - 11:57 Work-up sustained ventricular arrhythmias in heart failure

Speaker: [Arif Elvan \(NL\)](#) - This presenter did not share his presentation

11:57 - 12:09 Bundle -branch re-entry: Everything you always wanted to know but were afraid to ask

Speaker: [Jose Luis Merino \(ES\)](#)

12:09 - 12:21 ICD indications in ischemic versus non-ischemic cardiomyopathy

Speaker: [Michael Glikson \(IL\)](#)

12:21 - 12:33 Hereditary cardiomyopathies-How to approach and treat ?

Speaker: [Firat Duru \(CH\)](#)

12:33 - 12:45 Discussion

12:45 - 13:30

LUNCH

13:30 - 14:30

EverPace Satellite Symposium

A Novel Approach to Contact Force Sensing Technologies: Strain Gauge Based Technique

Chairperson: *Yan Yao (CN), Jose Luis Merino (ES)*

13:30 - 13:45 FASS Approach to AF Ablation

Speaker: [Yan Yao \(CN\)](#)

13:45 - 14:00 My First Experiences on FireMagic™ Force Sensing Ablation Catheter

Speaker: [Emin Evren Özcan \(TR\)](#)

14:00 - 14:15 Treatment of Complex Arrhythmias with FireMagic™ Force Sensing Ablation Catheter

Speaker: [Osman Can Yontar \(TR\)](#)

14:15 - 14:30 Panel Discussion

Panelist: *Zahra Emkanjoo (IR), Ayan Abdurakhmanov (KZ), Roin Rekvava (GE)*

14:30 - 15:30

Arrhythmogenic Right Ventricular Cardiomyopathy: State of the Art in 2023

Chairperson: *Wei Hua (CN), Arif Elvan (NL)*

14:30 - 14:40 ARVC mimickers – differential diagnosis

Speaker: [Ashley Chin \(ZA\)](#)

14:40 - 14:50 Diagnostic Criteria:

Speaker: [Firat Duru \(CH\)](#)

14:50 - 15:00 Genetics of ARVC:

Speaker: [Andrea Mazzanti \(IT\)](#)

15:00 - 15:10 Risk Stratification:

Speaker: [Luciana Sacilotto \(IT\)](#)

15:10 - 15:30 Discussion

15:30 - 15:45

COFFEE BREAK

15:45 - 16:45

Atrial fibrillation in patients with rheumatic heart disease: What is the difference?

Chairperson: *Ashley Chin (ZA), Luis Molina (MX)*

15:45 - 15:55 Anticoagulation and rheumatic heart disease – implications of the INVICTUS trial

Speaker: [Emir Baskovski \(TR\)](#)

15:55 - 16:05 Rate versus rhythm control for atrial fibrillation and rheumatic heart disease

Speaker: [Fethi Kılıçaslan \(TR\)](#)

16:05 - 16:15 Role of catheter ablation of atrial fibrillation and rheumatic heart disease

Speaker: [Elif Hande Özcan Çetin \(TR\)](#)

16:15 - 16:25 Role of surgical ablation of atrial fibrillation and rheumatic heart disease

Speaker: [Vadim A. Popov \(RU\)](#)

16:25 - 16:45 Discussion

16:45 - 17:45

Catheter Ablation Strategies of Persistent Atrial Fibrillation beyond PVI

Chairperson: *Hakan Oral (US), Bülent Köktürk (DE)*

16:45 - 16:55 When and how to ablate the posterior wall in persistent AF : Silencing or complete isolation ?

Speaker: [Arif Elvan \(NL\)](#)

16:55 - 17:05 Is there still an indication of Left atrial isolation in persistent AF:When and how to ablate ?

Speaker: [Boris Schmidt \(DE\)](#)

17:05 - 17:15 When and how to ablate the vein of Marshall in persistent AF:Ablation or ethanol infusion

Speaker: [Min Tang \(CN\)](#)

17:15 - 17:25 Less is more and keep it simple:PVI only in persistent AF

Speaker: [Julian Chun \(DE\)](#)

17:25 - 17:35 Simple is not enough:Beyond PVI is often necessary

Speaker: [Bülent Köktürk \(DE\)-This presenter did not share his presentation](#)

17:35 - 17:45 Discussion

17:45 - 19:15

MENA Session

2023 WSA - MENA Joint Session Advances in Cardiac Arrhythmias

Chairperson: *Ali Oto (TR), Marwan Refaat (LB), Zahra Emkanjoo (IR)*

17:45 - 17:55 Tips and Tricks in Leadless Pacing

Speaker: [Naeem A. AL Shoaibi \(SA\)](#)

17:55 - 18:05 Tips and Tricks in conduction system pacing

Speaker: [Marwan Refaat \(LB\)-This presenter did not share his presentation](#)

18:05 - 18:15 Tips and Tricks in Mechanical Lead Extraction

Speaker: [Mohammad Al Hajjiri \(JO\)-This presenter did not share his presentation](#)

18:15 - 18:25 Tips and Tricks in atrial flutter ablation

Speaker: [Mervat Aboulmaaty \(EG\)](#)

18:25 - 18:35 Tips and Tricks in Fascicular tachycardia ablation

Speaker: [Ahmed Talib \(IQ\)](#)

18:35 - 18:45 Tips and Tricks in Pulsed Field Ablation

Speaker: [Yahya Alhebaishi \(SA\)-This presenter did not share his presentation](#)

18:45 - 19:15 Panel Discussion

Panelist: *Ali Bozorgi (IR), Reza Mollazade (IR), Erkan Baysal (TR), Fırat Özcan (TR)*

HALL 2

08:30 - 09:30

Minimizing Fluoroscopy in the EP lab II

Chairperson: *Mansour Razminia (US), Sri Sundaram (US)*

08:30 - 08:40 Safely performing transseptal access without fluoroscopy

Speaker: [Sri Sundaram \(US\)](#)

08:40 - 08:50 Next up: Fluoroless VT ablation

Speaker: [Mouhannad Sadek \(US\)-This presenter did not share his presentation](#)

08:50 - 09:00 Understand the value of ICE for safety during procedures: Complications and how to overcome them with ICE

Speaker: [Hany Demo \(US\)-This presenter did not share his presentation](#)

09:00 - 09:30 Discussion

09:30 - 10:30

Chagas Disease

Chairperson: *Luis Molina (MX)*

09:30 - 09:40 Arrhythmogenesis in Chagas Disease

Speaker: [Cristiano Dietrich \(BR\)](#)

09:40 - 09:50 Risk Stratification in Chagas Disease

Speaker: [Ricardo Alkmim Teixeira \(BR\)](#)

09:50 - 10:00 Scar pattern in Chagas Disease

Speaker: [Manuel Patete Ayala \(VE\)](#)

10:00 - 10:10 Epicardial ablation is essential in Chagas Disease

Speaker: [Cristiano Pisani \(BR\)](#)

10:10 - 10:30 Discussion

10:30 - 10:45

COFFEE BREAK

10:45 - 11:45

Artificial Intelligence for EP Physicians: The current status and future expectations

Moderator: [Thomas Deering \(US\)](#)

10:45 - 10:48 Introduction

Speaker: [Thomas Deering \(US\)](#)

10:48 - 11:00 Introduction to AI as a key for modern medicine

Speaker: [Bleron Baraliu \(US\)](#)

11:00 - 11:12 The case for AI to optimize remote monitoring

Speaker: [Marie-Noelle S. Langan \(US\)](#)

11:12 - 11:24 The case for AI to improve ablation outcomes

Speaker: [Jose Luis Merino \(ES\)](#)

11:24 - 11:45 Discussion

11:45 - 12:45

Optimizing AF Ablation Workflow

Chairperson: *Dhiraj Gupta (UK), Henry Huang (US)*

11:45 - 11:55 Optimal lab workflow for RF Ablation

Speaker: [Paul Zei \(US\)](#)

11:55 - 12:05 ICE for AF

Speaker: [Sri Sundaram \(US\)](#)

12:05 - 12:15 Same Day discharge

Speaker: [Marc W. Deyell \(CA\)](#)

12:15 - 12:25 Optimal lab workflow for CryoAblation

Speaker: [Javad Mikaeili \(IR\)](#)

12:25 - 12:45 Discussion

12:45 - 13:30

LUNCH

13:30 - 14:30

ANS and AF

Chairperson: *Sunny S Po (US), Stavros Stavrakis (US)*

13:30 - 13:40 ANS based explanation of AF

Speaker: [Varun Maliki \(AU\)](#)

13:40 - 13:50 GP ablation for AF

Speaker: [Juan Zerpa \(BR\)](#)

13:50 - 14:00 Noninvasive neuromodulation for AF

Speaker: [Stavros Stavrakis \(US\)](#)

14:00 - 14:10 Feasibility of Computed Tomography-Guided Cardioneuroablation for Atrial Fibrillation

Speaker: [Timothy Markman \(US\)](#)

14:10 - 14:30 Discussion

14:30 - 15:30

Strategies for substrate mapping and ablation scar related VT

Chairperson: *Cristiano Pisani (BR), Erol Tülämen (TR)*

14:30 - 14:40 Peak frequency: A new parameter to map complex arrhythmias

Speaker: [Jose Luis Merino \(ES\)](#)

14:40 - 14:50 VEDUM-ILAM Map

Speaker: [Filippo Maria Cauti \(IT\)](#)

14:50 - 15:00 Late Potential mapping

Speaker: [Cristiano Dietrich \(BR\)](#)

15:00 - 15:10 Imaging guided VT ablation

Speaker: [Jeffrey Winterfield \(US\)](#)

15:10 - 15:20 Decremental Evoked Potential Mapping

Speaker: [Andre Carmo \(US\)](#)

15:20 - 15:30 MR intergrated substrate mapping

Speaker: [Thorsten Lewalter \(DE\)](#)

15:30 - 15:45

COFFEE BREAK

15:45 - 16:45

Physiological Pacing: New Knowledge and Advances II

Chairperson: *Wei Hua (CN), Laszlo Geller (HU)*

15:45 - 15:55 LBB vs RV pacing in patient with heart block and preserved ejection fraction

Speaker: [Vidal Essebag \(CA\)](#) - This presenter did not share his presentation

15:55 - 16:05 Is there a role for HBP or LBBAP for IVC

Speaker: [Maggie Infeld \(US\)](#)

16:05 - 16:15 The Cardiac physiological pacing: the current status in China

Speaker: [Wei Hua \(CN\)](#)

16:15 - 16:25 Differentiation of LVSP and LBBP, same or different?

Speaker: [John Rickard \(US\)](#)

16:25 - 16:45 Discussion

16:45 - 17:45

Treatment for VT: Overcoming present challenges II

Chairperson: *Cristiano Pisani (BR), Shih-Ann Chen (TW)*

16:45 - 16:55 Advances in Imaging integration with 3D mapping

Speaker: [Jeffrey Winterfield \(US\)](#)

16:55 - 17:05 Neuromodulation in VT

Speaker: [Marmar Vaseghi \(US\)](#)

17:05 - 17:15 Non-invasive treatments for VT

Speaker: [Kostantinos Sontis \(US\)](#)

17:15 - 17:25 Vagal Nerve Stimulation to Reduce Ventricular Arrhythmias

Speaker: [Jeffrey Ardell \(US\) -This presenter did not share his presentation](#)

17:25 - 17:45 Panel Discussion

Discussant: *Jason Bradfield (US)*

17:45 - 18:45

Cardiac Arrhythmias, inflammation, and autonomic dysfunction in COVID-19 patients

Chairperson: *İlyas Atar (TR), Stavros Stavrakis (US)*

17:45 - 17:55 Epidemiology and mechanisms underlying arrhythmogenicity in SARS-CoV2 infection

Speaker: [Rakesh Gopinathannair \(US\)](#)

17:55 - 18:05 Post-COVID 19 autonomic dysfunction: A distinct entity? How to treat

Speaker: [Artur Fedorowski \(SE\)](#)

18:05 - 18:15 Arrhythmia characteristics, Management Strategies, and outcomes in COVID-19 patients

Speaker: [Thomas Deering \(US\)](#)

18:15 - 18:25 Risk stratifying return to sports for the young athlete with COVID

Speaker: [Sercan Okutucu \(TR\)](#)

18:25 - 18:45 Discussion

HALL 3

08:30 - 09:30

Meet the Editors

How to publish in high impact EP Journals

Editor-in-Chief, JCE: [Bradley Knight \(US\)](#)

Editor-in-Chief, JICE: [Henry Huang \(US\)- This presenter did not share his presentation](#)

09:30 - 10:30

Managing atrial fibrillation in Heart Failure: A 2023 update

Chairperson: *Riccardo Cappato (IT), Swati N. Rao (US)*

09:30 - 09:40 The Window of Opportunity: Patient Selection, Timing, and the Role of AF Burden on Ablation Outcomes in AF and HFrEF

Speaker: [Rakesh Gopinathannair \(US\)](#)

09:40 - 09:50 Managing AF in the setting of HF: Is rate control same as rhythm control?

Speaker: [Janet K. Han \(US\)](#)

09:50 - 10:00 Catheter ablation of AF in HFrEF: What does the data tell you?

Speaker: [Jacob Koruth \(US\)- This presenter did not share his presentation](#)

10:00 - 10:10 AF ablation in HFpEF: More to learn and the TAP-CHF trial

Speaker: [Sri Sundaram \(US\)- This presenter did not share his presentation](#)

10:20 - 10:30 Discussion

10:30 - 10:45

COFFEE BREAK

10:45 - 12:30

Ablation for SVT:

Chairperson: *Arif Elvan (NL), Julian Chun (DE)*

10:45 - 11:00 Ablation of Accessory Pathways

Speaker: [Hugh Calkins \(US\)](#)

11:00 - 11:15 Differential Diagnosis of PSVT in the EP lab

Speaker: [Bradley Knight \(US\)](#)

11:15 - 11:30 Ablation of Typical AVNRT

Speaker: [Hakan Oral \(US\)](#)

11:30 - 11:45 Ablation of Atypical AVNRT

Speaker: [Shih-Ann Chen \(TW\)](#)

11:45 - 12:00 Update of new ablation strategies for complex atrial tachycardia cases

Speaker: [Bülent Köktürk \(DE\) - This presenter did not share his presentation](#)

12:00 - 12:15 Ablation of Atrial Tachycardias and Flutter

Speaker: [Swati N. Rao \(US\)](#)

12:15 - 12:30 Discussion

12:30 - 13:30

LUNCH

13:30 - 14:30

Syncope Summit 1

Introduction to Syncope

Chairperson: [Ömer Akyürek \(TR\), Richard Sutton \(MC\)](#)

13:30 - 13:45 Syncope: causes, epidemiology and impact

Speaker: [Artur Fedorowski \(SE\)](#)

13:45 - 14:00 Risk assessment: is Hospital admission required?

Speaker: [Richard Sutton \(MC\)](#)

14:00 - 14:15 Improved care, reduced cost: are syncope units the answer?

Speaker: [Ali Bozorgi \(IR\)](#)

14:15 - 14:30 Discussion

14:30 - 15:30

Syncope Summit 2

Investigation of Syncope

Chairperson: *Jean-Claude Deharo (FR), Marmar Vaseghi (US)*

14:30 - 14:45 Vasovagal syncope: clinical history and laboratory testing

Speaker: [Richard Sutton \(MC\)](#)

14:45 - 15:00 Ambulatory ECG: external/insertable

Speaker: [Artur Fedorowski \(SE\)](#)

15:00 - 15:15 Syncope in Occupational Health

Speaker: [Haruhiko Abe \(JP\)](#)

15:15 - 15:30 Other types of Reflex Syncope

Speaker: [Carlos Morillo \(CA\)](#)

15:30 - 15:45

COFFEE BREAK

15:45 - 16:45

Syncope Summit 3

Non-reflex Syncope.Syncope & Driving

Chairperson: *Jean-Claude Deharo (FR),Kamil Adalet (TR)*

15:45 - 16:00 Orthostatic hypotension

Speaker: [Satish Raj \(CA\)](#)

16:00 - 16:15 Orthostatic hypotension management

Speaker: [Carlos Morillo \(CA\)](#)

16:15 - 16:30 Driving and syncope

Speaker: [Sunny S Po \(US\)](#)

16:30 - 16:45 Discussion

16:45 - 17:45

Syncope Summit 4

Treatment of Syncope

Chairperson: *Cengiz Ermiş (TR), Sunny S Po (US)*

16:45 - 16:55 Cardiac Syncope: causes, diagnosis, and risk assessment

Speaker: [Artur Fedorowski \(SE\)](#)

16:55 - 17:05 Syncope in Heart failure

Speaker: [Carlos Morillo \(CA\)](#)

17:05 - 17:15 Drug treatment of VVS

Speaker: [Satish Raj \(CA\)](#)

17:15 - 17:25 What role for pacemakers in VVS?

Speaker: [Richard Sutton \(MC\)](#)

17:25 - 17:45 Discussion

17:45 - 18:45

Syncope Summit 5

Syncope: new treatments, economics, and cases

Chairperson: *Varun Maliki (AU), Sunny S Po (US)*

17:45 - 18:00 Cardioneuroablation

Speaker: [Tolga Aksu \(TR\)](#)

18:00 - 18:15 Economics of Syncope

Speaker: [Denise Hachul \(BR\)](#) - This presenter did not share her presentation

18:15 - 18:25 Case 1

Speaker: [Artur Fedorowski \(SE\)](#)

18:25 - 18:35 Case 2

Speaker: [Satish Raj \(CA\)](#)

18:35 - 18:45 Case 3

Speaker: [Richard Sutton \(MC\)](#)

HALL 4

08:30 - 12:30

Interactive EP International (IEPI)

Live and Recorded Cases: Ventricular Tachycardia

Moderator: *Jeffrey Winterfield (US), Jackson Liang (US)*

08:30 - 09:30 Live Case: VT Ablation in Ischemic CMP

Case Presenter: [Taylan Akgün \(TR\)](#) - This presenter did not share his presentation

09:30 - 09:50 Recorded/Broadcasted Cases: Case 1: LV Summit PVC

Case Presenter: [Abdulkadir Uslu \(TR\)- This presenter did not share his presentation](#)

09:50 - 10:10 Recorded/Broadcasted Cases: Case 2: Omnipolar VT Mapping in a Postpartum CMP patient

Speaker: [Firat Özcan \(TR\)- This presenter did not share his presentation](#)

10:10 - 10:30 Recorded/Broadcasted Cases: Case 3: Substrate Based VT Ablation

Speaker: [Erkan Baysal \(TR\)](#)

10:30 - 10:50 Recorded/Broadcasted Cases: Case 4: Challenging PVC/VT Case in EP Lab

Case Presenter: [Mervat Aboulmaaty \(EG\)](#)

10:50 - 11:10 Recorded/Broadcasted Cases: Case 5: Challenging PVC/VT Case in EP Lab

Case Presenter: [Roin Rekvava \(GE\)](#)

11:10 - 12:30 Panel Discussion

Panelist: *Bernard Abi-Saleh (LB), Sabri Demircan (TR), Erkan Baysal (TR)*

12:30 - 13:30

Boston Scientific Satellite Symposium

Pulsed Field Ablation - Clinical Data Updates

12:30 - 13:30 Pulsed Field Ablation - Clinical Data Updates

Speaker: [Julian Chun \(DE\)](#)

13:30 - 17:30

Interactive EP International (IEPI)

Live and Recorded Cases: Atrial Fibrillation and Flutter

Chairperson: *Hakan Oral (US), Gerhard Hindricks (DE)*

13:30 - 14:30 Live Cases: Case 1: Fluoroless PVI: Skin-to-skin

Case Presenter: [Mansour Razminia \(US\),Umuttan Dogan \(TR\) -These presenters did not share their presentations](#)

14:30 - 14:50 Recorded/Broadcasted Cases: Case 1: Cryoballoon

Case Presenter: [Yengi Umut Celikyurt \(TR\)](#)

14:50 - 15:10 Recorded/Broadcasted Cases: Case 2: Polar X

Case Presenter: [Mustafa Karaca \(TR\)](#)

15:10 - 15:30 Recorded/Broadcasted Cases: Case 3: Atrial Flutter using Omnipolar Mapping

Speaker: [Firat Özcan \(TR\)](#)

15:30 - 15:50 Recorded/Broadcasted Cases: Case 4: PVI by PFA

Speaker: [Julian Chun \(DE\)](#)

15:50 - 16:10 Recorded/Broadcasted Cases: Case 5: Scar based ablation

Speaker: [Swati N. Rao \(US\)-This presenter did not share her presentation](#)

16:10 - 17:30 Panel Discussion

Speaker: *Marwan Refaat (LB), Ahmed Talib (IQ), Barış Akdemir (TR), İlyas Atar (TR)*

HALL 5

10:45 - 11:45

Treatment for VT: Overcoming present challenges

Chairperson: *Magdi Saba (UK), Shih-Ann Chen (TW)*

10:45 - 10:55 Improving RF success: Techniques and Technologies

Speaker: [William Sauer \(US\)](#)

10:55 - 11:05 Intramural PVCs: Localization and strategies for ablation

Speaker: [Jackson Liang \(US\)](#)

11:05 - 11:15 Strategies for ablation of VT in patients with ischemic CM and non-ischemic CM

Speaker: [Cristiano Pisani \(BR\)](#)

11:15 - 11:25 Bipolar Ablation in VT

Speaker: [William Sauer \(US\)](#)

11:25 - 11:45 Discussion

13:30 - 14:30

How to safely reach the epicardial space?

Chairperson: *Shih-Ann Chen (TW), Sedat Köse (TR)*

13:30 - 13:40 Subxyphoid puncture using Tuohy needle

Speaker: [Cristiano Pisani \(BR\)](#)

13:40 - 13:50 Subxyphoid puncture using Microneedle?

Speaker: [Saurabh Kumar \(AU\)-This presenter did not share his presentation](#)

13:50 - 14:00 Epicardial access aided by Carbon Dioxide insufflation

Speaker: [Pasquale Santangeli \(US\)-This presenter did not share his presentation](#)

14:00 - 14:10 Laparoscopic guided epicardial Access

Speaker: [Andre Carmo \(US\)](#)

14:10 - 14:30 Discussion

HALL 6

10:00 - 11:00

Expect Unexpected: Outcomes and Strategies to Manage Complications of Ablation Therapies

Chairperson: *Vassil Traykov (BG), İlyas Atar (TR)*

10:00 - 10:10 ID 76 - Esophageal protection strategies for Ablation of Atrial Fibrillation: comparative results based on consecutive endoscopic evaluation

Speaker: [Alberto Ferraz \(BR\)](#)

10:10 - 10:20 ID 59 - Early Hemoptysis Following Cryoballoon Pulmonary Vein Isolation: A Single Centre Experience.

Speaker: [Fatih Erkam Olgun \(TR\)](#)

10:20 - 10:30 ID 32 - Long-term Outcomes of Cox-Maze IV Operation in Patients Undergoing More Than One Primary Operation

Speaker: [Taylan Adademir \(TR\)](#)

10:30 - 10:40 ID 69 - COMPARATIVE EFFICACY AND SAFETY OF CATHETER ABLATION IN CHILDREN AND ADULTS IN THE LONG-TERM FOLLOW-UP PERIOD. SINGLE-CENTRE EXPERIENCE.

Speaker: [Adil Baimbetov \(KZ\)](#)

10:40 - 11:00 Discussion

11:15 - 12:30

Novel Simulation Options: From Leadless to Left Bundle Area Pacing

Chairperson: *Alireza Ghorbani Sharif (IR), Luca Santini (IT)*

11:15 - 11:25 ID 77 - Real life data of physiological stimulation in patients over 80 years

Speaker: [Marina Fernandez Aragon \(ES\)](#)

11:25 - 11:35 ID 58 - Left bundle branch pacing compared to biventricular pacing for cardiac resynchronization therapy in heart failure: A systematic review and meta-analysis

Speaker: [Marwan Refaat \(LB\)](#)

11:35 - 11:45 ID 18 - Long-term Follow-up of AV Node Ablation and His Bundle Pacing as a Strategy for Atrial Arrhythmia Control.

Speaker: [Adrian Rodriguez- Albaran \(ES\)](#)

11:45 - 11:55 ID 71 - ASSESSMENT OF PATIENTS' QUALITY OF LIFE WITH LEADLESS PACING SYSTEM COMPARED WITH CONVENTIONAL PACEMAKERS.

Speaker: [Adil Baimbetov \(KZ\)](#)

11:55 - 12:05 ID 41 - Clinical Evidence of Leadless Pacemaker Implantation: prospective study with 6 month follow up

Speaker: [Ayan Abdurakhmanov \(KZ\)](#)

12:05 - 12:30 Discussion

14:00 - 15:00

Challenging Experiences in CIDS Impantation

Chairperson: *Reza Mollazade (IR), Dicky Hanafi (ID)*

14:00 - 14:10 ID 35 - Feasibility And Mid-Long-Term Outcomes Of Pacemaker Implantation In Pregnant: A Case Series

Speaker: [Aliya Smagulova \(KZ\)](#)

14:10 - 14:20 ID 60 - TROUBLESHOOTING DURING CARDIAC IMPLANTABLE ELECTRONIC DEVICE IMPLANTATION IN PATIENTS WITH PERSISTANT LEFT SUPERIOR VENA CAVA-A CASE SERIES

Speaker: [Varsha Rahshitha Prakash \(IN\)-This presenter did not share her presentation](#)

14:20 - 14:30 ID 62 - Comparison of Acute and Chronic Stabilization Efficiencies of Two Suturing Methods Used in Pectoral Muscle Fixation of Cardiac Implantable Electronic Devices

Speaker: [Mustafa Talha Güneş \(TR\)-This presenter did not to share his presentation](#)

14:30 - 14:40 97 - Detection Of Sub-Clinical Atrial Fibrillation Using A VDD-ICD Lead In A Multicenter Randomized Trial: The DX-AF Study

Speaker: [Mohammed Shurrab \(CA\)](#)

14:40 - 14:50 99- Pioneering Effort: Cardiac Device Implantation Trends And Variable Patient's Outcome pattern: A Tool For The Benefit Of The Community

Speaker: [Kubra Khaliq \(PK\)- This presenter did not to share her presentation](#)

14:50 - 15:00 Discussion

15:10 - 16:25

Risk Prediction and Outcomes in Structural Heart Disorders

Chairperson: *Juan Zerpa (BR), Sercan Okutucu (TR)*

15:10 - 15:20 ID 36 - Clinical Outcome of Implantable Cardioverter Defibrillator Therapy in Arrhythmogenic Cardiomyopathy With Left Ventricle Involvement: 3-year follow-up

Speaker: [Raimondo Pittorru \(IT\)](#) - This presenter did not share his presentation

15:20 - 15:30 ID 81 - The Importance of Ventricular Repolarization Parameters in the Evaluation of the Risk of Sudden Cardiac Death in Diabetic Patients with Moderate Systolic Heart Failure

Speaker: [Burcu Kodal \(TR\)](#) - This presenter did not share her presentation

15:30 - 15:40 ID 39 - ARRHYTHMOGENIC CORONARY SINUS POUCH: CASE SERIES

Speaker: [Suresh Allamsetty \(IN\)](#)

15:40 - 15:50 ID 1 - Predictors of atrial fibrillation development in patients with STEMI

Speaker: [Yusuf Ziya Şener \(TR\)](#)

15:50 - 16:00 ID 6 - Left Ventricular Dysfunction Associated With Dyssynchrony In Wolff-Parkinson-White Syndrome: Clinical, Echocardiographic, Electrophysiological Characteristics And Ablation Results

Speaker: [Hasan Candaş Kafalı \(TR\)](#)

16:00 - 16:25 Discussion

16:30 - 17:30

Reflections from Hematologic Variables, Arterial Embolism Locations and Speckle-Tracking Echocardiographic Parameters

Chairperson: *Roman Piotrowski (PL), Yusuf Ziya Şener (TR)*

16:30 - 16:40 ID 9 - Evaluation of Left Ventricular Functions in Children with Wolff-Parkinson-White Syndrome Before and After Catheter Ablation by using the Speckle Tracking Echocardiography

Speaker: [Kaan Yıldız \(TR\)](#)

16:40 - 16:50 ID 22 - Association of Arterial Thromboembolism Location with Presence of Non-valvular Atrial Fibrillation

Speaker: [Feryaz Kızıltan \(TR\)-This presenter did not share his presentation](#)

16:50 - 17:00 ID 19 - Effects of Preoperative Nutritional Status and Lymphocyte Count on The Development of Earlyterm Atrial Fibrillation After Coronary Artery Bypass Grafting Surgery: A Retrospective Study

Speaker: [Sabür Zengin \(TR\)-This presenter did not share his presentation](#)

17:00 - 17:10 ID 85 - The association between Neutrophil / Lymphocyte ratio and Cardiac Pacemaker Infection

Speaker: [Önder Öztürk \(TR\)](#)

17:10 - 17:30 Discussion

NOVEMB

ER 4

SATURDA

Y

HALL 3

08:00 - 09:00

Twists and turns on a way for personalised approach to treat AFib patients

Joint session World Society of Arrhythmia and Eurasian Arrhythmology Association EURA

Chairperson: *Luca Santini (IT), Andrey Ardashev (US)*

08:00 - 08:15 Postincisional Atypical Atrial Flutter ablation in HFrEF patients?

Speaker: [Ayan Abdurakhmanov \(KZ\)](#)

08:15 - 08:30 Endovascular occlusion of patent foramen ovale as antiarrhythmic treatment of atrial fibrillation

Speaker: [Eugene Zhelyakov \(RU\)](#)

08:30 - 08:45 The effect of pulmonary artery denervation in high pulmonary hypertension on the effectiveness of surgical treatment of atrial fibrillation

Speaker: [Trofimov Nikolai \(RU\)](#)

08:45 - 09:00 Personalised approach to atrial fibrillation patients with heart failure across the spectrum of ejection fraction.

Speaker: [Mikhail Dzeshka \(BY\)](#)

09:00 - 10:30

Early Rhythm Control in Atrial Fibrillation

Chairperson: *Thomas Deering (US), Andreas Goette (DE)*

09:00 - 09:15 Impact of AF pattern and new onset AF on outcome

Speaker: [Andreas Goette \(DE\)](#)

09:15 - 09:30 Early rhythm control in asymptomatic AF patients

Speaker: [A John Camm \(UK\)](#)

09:30 - 09:45 Early rhythm control in AF patients with heart failure

Speaker: [Andrey Ardashev \(US\)](#)

09:45 - 10:00 Impact of heart rate during atrial fibrillation on clinical outcomes

Speaker: [Takanori Ikeda \(JP\)](#)

10:00 - 10:30 Discussion

10:30 - 12:00

Focus on arrhythmia management in Low and middle income countries (LMICs)

Chairperson: *Yan Yao (CN), Richard Sutton (MC)*

10:30 - 10:45 Current management of arrhythmias in LMICs

Speaker: [Ashley Chin \(ZA\)](#)

10:45 - 11:00 Device therapy in LMICs – what is practical and feasible?

Speaker: [Enes Elvin Gül \(SA\)](#)

11:00 - 11:15 Catheter ablation in LMICs – what is practical and feasible?

Speaker: [Vassil Traykov \(BG\)](#)

11:15 - 11:30 Pacemaker reuse in LMICs – the time has come

Speaker: [Carsten Israel \(DE\)-This presenter did not share his presentation](#)

11:30 - 12:00 Discussion

HALL 4

08:00 - 09:00

ISHNE Session

Chairperson: [Takanori Ikeda \(JP\),Ali Oto \(TR\)](#)

08:00 - 08:10 Cardology meets Neurology: new challenges

Speaker: [Thomas Klingenheben \(DE\)](#)

08:10 - 08:20 Massive vs targeted AFB screening

Speaker: [Iwona Cygankiewicz](#)

08:20 - 08:30 Ventricular fibrillation during 48 hr of STEMI is not an indication for ICD-Really?

Speaker: [Pyotr G Platonov \(SE\)](#)-This presenter did not to share his presentation

08:30 - 08:40 What are we missing from data interpretation?A personal experience

Speaker: [Vassilios Vassilikos \(GR\)](#)

08:40 - 09:00 Discussion

09:00 - 10:00

ICTS Session

Treat VT in Specific Condition:

Chairperson: *Dicky Hanafi (ID), Zahra Emkanjoo (IR)*

09:00 - 09:10 Cardiac Sarcoidosis

Speaker: [Cristiano Pisani \(BR\)](#)

09:10 - 09:20 Hypertrophic Cardiomyopathy

Speaker: [Amir Hossein Azhari \(IR\)](#)

09:20 - 09:30 Arrhythmogenic RV Cardiomyopathy

Speaker: [Firat Duru \(CH\)](#)

09:30 - 09:40 Brugada Syndrome

Speaker: [Arif Elvan \(NL\)-This presenter did not share his presentation](#)

09:40 - 10:00 Discussion

10:00 - 11:00

ICTS Session

Chairperson: *Andreas Goette (DE), Reza Mollazade (IR)*

10:00 - 10:10 Biventricular or Conduction system pacing after AV node ablation in heart failure patients with atrial fibrillation

Speaker: [Dicky Hanafi \(ID\)](#)

10:10 - 10:20 Troubleshooting during challenging CIED cases: CRT implantation

Speaker: [Dicky Hanafi \(ID\)](#)

10:20 - 10:30 Troubleshooting during challenging CIED cases:Conduction System Pacing

Speaker: [John Rickard \(US\)-This presenter did not share his presentation](#)

10:30 - 10:40 Troubleshooting during challenging CIED cases: Lead Extraction

Speaker: [Ali Uğur Soysal \(TR\)](#)

10:40 - 11:00 Discussion

11:00 - 12:00

ITCS Session

Step by Step Approach to:

Chairperson: *İlyas Atar (TR), Cristiano Pisani (BR)*

11:00 - 11:15 Ablation of Scar related VT

Speaker: [Josef Kautzner \(CZ\)](#)

11:15 - 11:30 AT post AF ablation

Speaker: [Erol Tülümen \(TR\)](#)

11:30 - 11:45 LV Summit PVC

Speaker: [Magdi Saba \(UK\)](#)

11:45 - 12:00 Discussion

HALL 5

08:00 - 09:00

EP Club

ECG in Arrhythmias: Prediction of arrhythmia origin

Chairperson: *Özgür Arslan (TR), Fethi Kılıçaslan (TR)*

08:00 - 08:10 Localization of WPW

Speaker: [İdris Yakut \(TR\)](#)

08:10 - 08:20 Localization of ATs:

Speaker: [Mürsel Şahin \(TR\)](#)

08:20 - 08:30 Localization of PVCs:

Speaker: [Turhan Turan \(TR\)](#)

08:30 - 09:00 Panel Discussion

Panelist: *Göksel Çinier (TR), Osman Pirhan (TR), Kazım Serhan Özcan (TR), İdris Yakut (TR)*

09:00 - 10:00

EP Club

Diagnostic Pacing Maneuvers: How to differentiate the SVTs?

Chairperson: *Enes Elvin Gül (SA), Emin Evren Özcan (TR)*

09:00 - 09:15 Pacing maneuvers during narrow complex tachycardia

Speaker: [Erol Tülümen \(TR\)](#)

09:15 - 09:30 Pacing maneuvers during wide complex tachycardia

Speaker: [Alper Kepez \(TR\)](#)

09:30 - 10:00 Panel Discussion

Panelist: *Elif Hande Özcan Çetin (TR), Ahmet Lütfi Sertdemir (TR), Mürsel Şahin (TR), Taner Ulus (TR), Abdulkadir Uslu (TR), İbrahim Halil Altınparmak (TR)*

10:00 - 11:00

EP Club

Supraventricular Tachycardia Ablation

Chairperson: *Fethi Kılıçaslan (TR), Ahmet Taha Alper (TR)*

10:00 - 10:10 Typical AVNRT ablation: Tips and Tricks:

Speaker: [Mevlüt Serdar Kuyumcu \(TR\)](#)

10:10 - 10:20 Atypical AVNRT: Substrat definition and ablation:

Speaker: [Barış Akdemir \(TR\)](#)

10:20 - 10:30 Septal Accessory Pathway ablation:

Speaker: [Inci Aslı Atar \(TR\)](#)

10:30 - 11:00 Panel Discussion

Panelist: *Mert İlker Hayiroglu (TR), Fatih Mehmet Uçar (TR), Mevlüt Serdar Kuyumcu (TR), Kerem Can Yılmaz (TR), Ayşen Ağaçdiken Ağır (TR), İbrahim Halil Altınparmak (TR)*

11:00 - 12:00

EP Club

Ablation on Challenging ATs

Chairperson: *Sedat Köse (TR), Serkan Topaloğlu (TR)*

11:00 - 11:10 Atypical Atrial flutter:

Speaker: [Gökhan Aksan \(TR\)](#)

11:10 - 11:20 Para-Hisian atrial tachycardia ablation:

Speaker: [Mehmet Kanadaşı \(TR\)](#)-This presenter did not share his presentation

11:20 - 11:30 AT ablation in congenital heart diseases:

Speaker: [Yakup Ergül \(TR\)](#)

11:30 - 12:00 Panel Discussion

Panelist: *Veli Polat (TR), Bernas Altıntaş (TR), Kazım Serhan Özcan (TR), Fatih Duhan Bayrak (TR), Evrim Şimşek (TR), Mert İlker Hayiroglu (TR)*

12:00 - 13:00

EP Club

Atrial Fibrillation Ablation

Chairperson: *Sabri Demircan (TR), Tolga Aksu (TR)*

12:00 - 12:10 Cryoballoon ablation vs RF ablation:

Speaker: [Gökay Taylan \(TR\)](#)

12:10 - 12:20 Approach and strategy for repeat catheter ablation of recurrent cases:

Speaker: [Fatih Duhan Bayrak \(TR\)](#)

12:20 - 12:30 New Ablation Technologies and Techniques for Atrial Fibrillation Ablation:

Speaker: [Batur Kanar \(TR\)](#)

12:30 - 13:00 Panel Discussion

Panelist: *Yengi Umut Celikyurt (TR), Tümer Erdem Güler (TR), Gökay Taylan (TR), Enes Elvin Gül (SA), Erol Tülümen (TR)*

13:00 - 14:00

LUNCH

14:00 - 15:00

EP Club

Complex PVC Ablation

Chairperson: *Dursun Aras (TR), Taylan Akgün (TR)*

14:00 - 14:10 LV summit and intramyocardial PVCs:

Speaker: [Erkan Baysal \(TR\)](#)

14:10 - 14:20 Papillary muscle PVCs/VT:

Speaker: [Emir Baskovski \(TR\)](#)

14:20 - 14:30 Ablation of multiple PVC morphologies:

Speaker: [Basri Amasyalı \(TR\)](#)

14:30 - 15:00 Panel Discussion

Panelist: *Nihal Akar (TR), Enis Oğuz (TR), Basri Amasyalı (TR), Kivanç Yalın (TR), Turhan Turan (TR)*

15:00 - 16:00

EP Club

Challenging Ventricular tachycardia ablation in ischemic heart disease substrates

Chairperson: *Ali Oto (TR), İlyas Atar (TR)*

15:00 - 15:10 Optimal Ablation Techniques for ischemic VTs: Tips and Tricks:

Speaker: [Umuttan Dogan \(TR\)](#)

15:10 - 15:20 Management of VT ablation complications:

Speaker: [Selçuk Kanat \(TR\)](#)

15:20 - 15:30 Case presentation:

Case Presenter: [Abdulkadir Uslu \(TR\)](#)

15:30 - 16:00 Panel Discussion

Panelist: *Nihal Akar (TR), Taner Ulus (TR), Ali Deniz (TR), Kamil Gülşen (TR), Barış Akdemir (TR)*

16:00 - 17:00

EP Club

Challenging Ventricular tachycardia ablation in Non-ischemic heart disease substrates

Chairperson: *Dursun Aras (TR), Ömer Akyürek (TR)*

16:00 - 16:10 Optimal Ablation Techniques for non-ischemic VT:

Speaker: [Fırat Özcan \(TR\)-This presenter did not share his presentation](#)

16:10 - 16:20 Epicardial Access Techniques- Tips and Tricks:

Speaker: [Serkan Topaloğlu \(TR\)](#)

16:20 - 16:30 Case presentation:

Case Presenter: [Emin Evren Özcan \(TR\)-This presenter did not share his presentation](#)

16:30 - 17:00 Panel Discussion

Panelist: *Mehmet Murat Sucu (TR), Kivanç Yalın (TR), Veysel Kutay Vurgun (TR), Taylan Akgün (TR)*

17:00 - 17:45

EP Club

Ventricular Arrhythmias and SCD

Chairperson: *Enis Oğuz (TR), Umuttan Dogan (TR)*

17:00 - 17:10 How to Perform and Interpret Pharmacological Challenge Tests:

Speaker: [Tuğrul İnanç \(TR\)](#) , [Serdar Demir \(TR\)](#)-this presenter did not share his presentation

17:10 - 17:20 Which type of ICD should I implant in the young patient with inherited heart disease and how should I program it?:

Speaker: [Celal Akdeniz \(TR\)](#)

17:20 - 17:45 Panel Discussion

Panelist: *Mustafa Yavuzkır (TR), Serdar Bozyel (TR), Ömer Alyan (TR), Serdar Demir (TR), Umuttan Dogan (TR), Yakup Ergul (TR)*

17:45 - 18:30

EP Club

Hot Topics in CIED

Chairperson: *Ali Oto (TR), Ömer Alyan (TR)*

17:45 - 17:55 Conduction system pacing: Tips and Tricks for Implantation:

Speaker: [Ahmet Korkmaz \(TR\)](#)

17:55 - 18:05 Conduction system pacing vs Biventricular pacing :

Speaker: [Ahmet Vural \(TR\)](#)

18:05 - 18:15 Lead extraction case presentations:

Speaker: [Ayhan Küp \(TR\)](#)

18:15 - 18:30 Panel Discussion

Speaker: Ahmet Akyol (TR), Ayşen Ağaçdiken Ağır (TR), Evrim Şimşek (TR), Samet Yılmaz (TR), Eyüp Özkan (TR)

HALL 6

09:00 - 10:30

Difficult ECG tracing: how to deal with it

An interactive Session

Chairperson: *Kamil Adalet (TR), Thorsten Lewalter (DE)*

09:00 - 09:30 VT ECG

Speaker: [Magdi Saba \(UK\)](#)-This presenter did not share his presentation

09:30 - 10:00 Conduction System Pacing

Speaker: [Laszlo Geller \(HU\)](#)

10:00 - 10:30 SVT ECG

Speaker: [Emin Evren Özcan \(TR\)](#)-This presenter did not share his presentation

10:30 - 13:30

Cardiac Anatomy Workshop

Case-based clinicopathological correlations An interactive session

Chairperson: [Alejandro Jimenez Restrepo \(US\)](#) , [José Angel Cabrera \(ES\)](#)- This presenter did not to share his presentation