

**SAVE THE DATE**

**CHC2019**

**CONGENITAL HEARTCAMPUS**

**Ortigia**  
**22-26 MAGGIO**  
**2019**

ASP MESSINA

Bambino Gesù  
OSPEDALE PEDIATRICO

**Thursday 23 May 2019**

	0730-0930	1000-1200	1315-1515	1545-1745
Mt. Etna 250	Transposition of the Great Arteries: Part 1	Transposition of the Great Arteries: Part 2	Featured Lectures in Congenital Cardiac Surgery	State of the Art: Assessing The Myocardium and Ventricular Function
Mt. Stromboli 100	Coronary Artery Abnormalities in Children and Young Adults	Management of Postoperative Low Cardiac Output Syndrome In the Neonate and Infant	Evaluation of Arrhythmias In Infants, Children and Teenagers	Knowledge Generation in Cardiac Critical Care and Cardiac Surgery
Orange 50	Basic and Translational Science in CHD	State of the Art: Fetal Cardiology	GUCH: What Of The Senning and Mustard Patients?	Challenging Cases for the Cardiac Surgery Professors
Lemon 50		Thrombi, Bleeding and New Strategies for Anticoagulation in the Operating Room and ICU	Nutrition in the Cardiac Neonate	Pulmonary Hypertension in the Neonate With and Without Cardiac Disease
Piccola Fera 50		Channelopathies and Familial Arrhythmias	Device Closure of Septal Defects	Syncope and Sudden Cardiac Death in Children and Young Adults

**Friday 24 May 2019**

	0730-0930	1000-1200	1315-1515	1545-1745
Mt. Etna 250	State of the Art: Imaging Part 1	State of the Art : Heart Failure and Transplantation	Improving Operative and Post-Operative Outcomes Using Collaboration and Quality Improvement Strategies	Neurodevelopmental Outcomes in Children with CHD: Etiology and Strategies for Improvement
Mt. Stromboli 100	Different Perspectives on the Timing and Fenestration of the Fontan Procedure	Infection, Vaccines and Antibiotics in Children with Cardiac Disease	Management of the PDA in the Premature Neonate	Blalock-Taussig-Thomas Shunts: Problems and Solutions
Orange 50	Principles of Inpatient Cardiac Nursing (Part 1)	Principles of Inpatient Cardiac Nursing (Part 2)	State of the Art: Electrophysiology	Cardiopulmonary Bypass: An International Perspective
Lemon 50	Ethical Problems in Intensive Care	Invasive Monitoring	The Changing Landscape of Adults with CHD	

**Saturday 25 May 2019**

	0745-0945	1015-1200	1300-1445
Mt. Etna 250	Tetralogy of Fallot: Early Management and Late Results	Functionally Univentricular Heart: New Concepts and Practices in the Fetus, Infant and Child	Functionally Univentricular Heart: Beyond Childhood
Mt. Stromboli 100	Cardiopulmonary Interactions and Inotropic Support in the Neonate and Infant With and Without Cardiac Disease	State of the Art: Imaging Part 2	State of the Art: Aortic Valve Surgery
Orange 50	Echocardiography After Congenital Cardiac Surgery: Important Principles and Techniques	Cardiac and Non-Cardiac Manifestations of Genetic Syndromes Associated with Congenital Cardiac Disease	ICU Care, Catheter and Surgical Interventions While on ECMO
Lemon 50	New Challenges and Solutions in Cardiac Critical Care	Bleeding and Blood Conservation Strategies	Genetics, Environment and New Insights In Cardiac Development

**Sunday 26 May 2019**

	0830-1100
Mt. Etna 250	State of the Art: Mechanical Circulatory Support
Mt. Stromboli 100	Featured Lectures in Cardiac Catheterization
Orange 50	Early Management of the Neonate and Infant with Critical Congenital Cardiac Disease
Lemon 50	Evaluation and Treatment of Tricuspid Valve Disease

**23<sup>rd</sup> May, Thursday 07.30 – 09.30**

### **Transposition of the Great Arteries: Part I**

*Moderators: Luciano Pasquini MD; Lorenzo Galletti MD*

Room: Mt. Etna (250)

- Morphology – Robert H. Anderson MD
- ICU Before Surgery – Gil Wernovsky MD
- The Gold Standard: Arterial Switch Operation in the Neonate – Olivier Raisky MD
- Bedside Preparation For an Arterial Switch Patient – Stephen Trice RN
- The Expected Course and ICU Care After An Arterial Switch Operation – Joshua Salvin MD, MPH
- Panel Discussion

### **Coronary Artery Abnormalities in Children**

*Moderators: Maria Giulia Gagliardi MD; Vincenzo Duca MD*

Room: Mt. Stromboli (100)

- ALCAPA: Diagnosis and Treatment - Laura Olivieri MD and Tom Karl MD
- Anomalous Aortic Origin of the Coronary Arteries: Diagnosis and Treatment - Laura Olivieri MD and James Tweddell MD
- Kawasaki Disease: Update for 2019 – Andrea de Zorzi, MD
- Panel Discussion

### **Basic and Translational Science in Congenital Cardiac Disease**

*Moderators: Martino Ruggieri MD, Maria Pia Calabro' MD*

Room: Orange (50)

- Microdeletion Related to CHD - Sebastiano Bianca, MD
- Molecular Mechanism in CHD and Genetic Syndrome - Anwar Baban, MD
- Genetics and Conotruncal Lesions– Bruno Marino MD
- Genetic Testing in Cardiomyopathy – Shri Deshpande MD
- Panel Discussion

**23<sup>rd</sup> May, Thursday 10.00-12.00**

## **Transposition of the Great Arteries: Part 2**

*Moderators: Antonio Amodeo MD; Francesco De Luca MD*

Room: Mt. Etna (250)

- The Fate of the Neo-Aortic Root – Roberto Formigari, MD
- Coronary Artery Evaluation and Perfusion MRI – Aurelio Secinaro, MD
- Reoperations After the Arterial Switch – Emanuela Angeli MD
- Most Importantly, How are Adults with an Arterial Switch Doing? - Philip Moons RN, PhD
- Panel Discussion

## **Management of Low Cardiac Output Syndrome in the Neonate and Infant**

*Moderators: Simone Reali MD; Joshua Salvin MD, MPH*

Room: Mt. Stromboli (100)

- Validation of Non-Invasive Measurement of Cardiac Output – Christopher Tirota MD
- What is the Role of “Elective” Delayed Sternal Closure? – James S. Tweddell MD
- What is the Role of the Ventilator? – Darren Klugman MD, MPH
- What is the Role of “Medical Management” – Rosanna Zanai MD
- What is the Role of an Intentional Right to Left Shunt? – Shunji Sano MD

## **State of the Art: Fetal Cardiology**

*Moderators: Pietro Bagolan MD, Alessandra Toscano, MD*

Room: Orange (50)

- What in Utero and What After Birth - Placido Gitto MD
- Evolution of Fetal Heart Function in Congenital Heart Disease – Lisa Hornberger, MD
- Fetal Diagnosis of Complete Vascular Ring – Luciano Pasquini, MD
- “Exit-to-ECMO”: Indications, Techniques and Results– Francis Fynn-Thompson, MD
- In-Utero Listing for Heart Transplantation: Fact or Fantasy? – Shri Deshpande, MD
- Panel discussion

## **Thrombi, Bleeding and New Strategies for Anticoagulation in the Operating Room and ICU**

*Moderators: Molly Oldeen CCP and Molly Dreher CCP*

Room: Lemon (50)

- How to Monitor Anticoagulation in the Cardiac ICU: From Veins to VADs – Jason Patregnani, MD
- Thrombotic and Hemorrhagic Complications on MCS: Therapeutic Strategies - Chiara Giorni, MD
- A Prospective Trial of Human Fibrinogen Concentrate During Cardiac Surgery – Christopher Tirota, MD
- Alternative anticoagulation strategies for ECMO support in CHD surgery – Giuseppe Isgrò. MD
- Monitoring anticoagulation during pediatric ECLS: clinical experience with ROTEM and antiXa – Oliviero Fochi, MD
- Panel Discussion

## **Channelopathies and Familial Arrhythmias – How To...**

*Moderators: Valeria Calvi, MD; Ludovico Vasquez, MD*

Room: Prickly Pear (50)

- Interpret Genetic Testing Results and Ignore the VUS? – J. Philip Saul MD
- Treat Pediatric Brugada? – Mitchell Cohen MD
- Manage Beta-Blocker Resistant CPVT? – Massimo Silvetti MD
- Manage Beta-Blocker Resistant LQT? – Alfredo di Pino MD
- Panel Discussion

**23<sup>rd</sup> May, Thursday 13.15 – 15.15**

### **Featured Lectures in Congenital Cardiac Surgery**

*Moderators: James Tweddell MD and Sergio Filippelli MD*

Room: Mt. Etna (250)

- Very Early Neonatal Surgery Using Autologous Umbilical Cord Blood – Illya Yemets, MD
- Fluid Dynamics in Complex Congenital Cardiac Surgery – Antonio Amodeo, MD
- Hybrid Pediatric Cardiac Surgery, Davide Calvaruso, MD.
- How to Get a Manuscript Accepted to EACTS – Tom R. Karl, MD
- Predictors of 90 Day Mortality – Shunji Sano, MD

### **Evaluation of Arrhythmias in Neonates, Children and Teenagers**

*Moderators: Elio Caruso MD; Pietro Sciacca, MD*

Room: Mt. Stromboli (100)

- Neonatal Arrhythmias: Which Ones are Concerning? – Lilia Oreto, MD
- Ambulatory Monitoring: Holters, ILRs, Apple Watch – Massimo Silveti, MD
- My Approach to the Child with Asymptomatic WPW – Alfredo Di Pino, MD
- Frequent PVCs in Healthy Children: When to Worry? – Mitchell Cohen, MD
- EKG Screening My Opinion Moving Forward – J. Philip Saul, MD
- Panel Discussion

### **What of the Senning and Mustard Patients?**

*Moderators: Salvatore Giannico MD, Gianluca Brancaccio, MD*

Room: Orange (50)

- Surgical Management - Alessandro Giamberti, MD
- Exercise – Margherita Ministeri, MD
- Quality of Life – Philip Moons, PhD
- Panel Discussion

### **Nutrition in the Cardiac Neonate**

*Moderators: Giorgio Calabrese MD and Claudio Romano MD*

Room: Lemon (50)

- What is the Best Nutrition for a Cardiac Neonate - Giovanni Corsello MD
- Necrotizing Enterocolitis: Risk Factors – Irma Capolupo MD
- Neonatal Parental Nutrition for Newborns with Congenital Cardiac Disease – Mario Giuffrè MD
- Nutrition in Adolescents with Congenital Cardiac Disease – Cinzia Calabrese MD

### **Device Closure of Septal Defects**

*Moderators: Rita Calaciura, MD; Franco De Luca, MD*

Room: Prickly Pear (50)

- Interatrial Septal Defects in Adults: A Joint Venture - Michele Saitta, MD
- Opening (not closing) an ASD with a Dedicated Device: The Rationale of the AFR device – Nikolaus Haas MD
- Criteria Necessary for Device Closure of a Ventricular Septal Defect: Morphologic Review – Robert Anderson, MD
- Controversies in Percutaneous Closure of Septal Defects: Should I Stay or Should I Go? – Roberto Formigari MD
- Panel Discussion

**23<sup>rd</sup> May, Thursday 15.45 – 17.45**

### **State of the Art: Assessing the Myocardium**

*Moderators: Antonia Silvia MD, Lilia Oreto MD*

Room: Mt. Etna (250)

- Assessing Cardiac Output After Neonatal Surgery – Roberta Iacobelli MD
- MRI Diagnosis of Myocarditis – Laura Olivieri, MD
- Evaluation of the Fetal Myocardium – Lisa Hornberger, MD
- Left Ventricular Mass Indexing: Marcello Chinali, MD
- Panel Discussion

### **Knowledge Generation in Cardiac Critical Care and Cardiac Surgery**

*Moderators: Luca Di Chiara, MD; Christopher Tirota, MD*

Room: Mt. Stromboli (100)

- The PRIMACORP Trial: 15 years later – Gil Wernovsky, MD
- Randomized Trial of Milrinone vs Nesiritide in the Fontan Population – Joshua Salvin, MD, MPH
- What Have Been the Most Important Findings in The SVR Trial? – James S. Tweddell, MD
- Development of Perfusion Standards and a “Body of Knowledge” – Molly Oldeen, CCP
- The Power of Databases and Collaboration – Darren Klugman MD, MPH

### **Challenging Cases for the Cardiac Surgery Professors**

*Moderators: Tom Karl MD and Salvatore Agati MD*

Room: Orange (50)

- Antonio Amodeo, MD
- Davide Calvaruso, MD
- Francis Fynn-Thompson, MD
- Alessandro Giamberti, MD
- Lorenzo Galletti, MD
- Massimo Massetti, MD
- Olivier Raisky, MD
- Shunji Sano, MD
- Illya Yemets, MD

### **Pulmonary Hypertension in the Neonate With and Without Cardiac Disease**

*Moderators: Vincenzo Di Benedetto MD, Irma Capolupo MD*

Room: Lemon (50)

- Pulmonary Hypertension in Congenital Cardiac Disease - Alessandra Toscano, MD
- Pulmonary Hypertension in Congenital Diaphragmatic Hernia – Neil Patel MD/Claudia Massolo MD
- Pulmonary Hypertension: Medical Management– Iuri Corsini MD
- Management and Ventilatory Strategies in Pulmonary Hypertension – Maria Luisa Ventura MD
- Management of Pulmonary Vein Stenosis – Viviane Nasr, MD

### **Syncope and Sudden Cardiac Death in Children and Young Adults**

*Moderators: J. Philip Saul MD and Giovanni Licciardello MD*

Room: Prickly Pear (50)

- Red Flags that Worry Even an Electrophysiologist! – Mitchell Cohen MD
- EKG findings that Should Not Be Missed – Lilia Oreto MD
- ICDs and Cardiomyopathies: Are We Choosing the Right Patients? - Massimo Silveti MD
- What is the Role of Imaging? – Cristina Inserra MD
- Panel Discussion

**24<sup>th</sup> May, Friday 07.30 – 09.30**

### **State of the Art: Cardiac Imaging Part 1**

Moderators: *Placido Romeo MD; Marcello Chinali MD*

Room: Mt. Etna (250)

- Cardiac Function of the Preterm Infant – A Long-Term Problem? - Lisa Hornberger, MD
- Understanding the Right Ventricle in Congenital Heart Disease – Laura Olivieri, MD
- MRI-Augmented Exercise Testing – Vivek Muthurangu, MD
- 4D Flow MRI in Congenital Heart Disease – Francesca Raimondi, MD
- Catheter, MRI and CT Imaging in Newborns with Pulmonary Atresia with Ventricular Septal Defect and Aortopulmonary Collaterals: Quantifying the Risks of Radiation Dose and Anesthetic Time – David Lloyd, MD

### **Different Perspectives on the Timing and Fenestration of the Fontan Procedure**

Moderators: *Darren Klugman MD, MPH and Illya Yemets, MD*

Room: Mt. Stromboli (100)

#### ***Debate: The “Fenestrated Fontan Operation”***

- Surgical Perspective: Fenestration Should Be Used Very Selectively – Tom Karl, MD
  - ICU Perspective: A Fenestration in the Fontan Operation is Beneficial in Nearly Every Patient – Gil Wernovsky, MD
- Open Discussion*

#### **Timing of the Fontan Operation**

- Timing: Surgical Perspective – Tom Karl, MD
  - Timing: Medical Perspective – Andrea de Zorzi, MD
- Open Discussion*

### **Principles of Inpatient Cardiac Nursing Part I**

Moderators: *Anna Portanova RN, Melissa Jones, RN, MSN*

Room: Orange (50)

- Overview of Invasive and non-Invasive Hemodynamic Monitoring – Annette Imprescia, RN, CCRN
- Vasoactive Management in the Intensive Care Unit – Stephen Trice, RN
- Cardiopulmonary Interactions – Melissa Jones, RN, MSN
- Interpretation of Arterial Blood Gases, Stephen Trice, RN
- Synthesizing Clinical Information Through Case Based Discussions - Faculty

### **Ethical Problems in Intensive Care**

Moderators: *Pietro Bagolan MD, Massimo Tirantello MD*

Room: Lemon (50)

- Informed Consent in the Intensive Care Unit – Caterina Offidani MD
- Palliative Care - Don Luigi Zuccaro MD
- From intensive to palliative care: The time of decision – Maurizio Faggioni MD
- Right to Health and Quality of Life – Giulia Amerio, MD
- Panel Discussion

**24<sup>th</sup> May, Friday 10.00 – 12.00**

### **State of the Art: Heart Failure and Transplantation**

*Moderators: Francesco Parisi MD; Massimo Massetti, MD*

Room: Mt. Etna (250)

- Epidemiology and New Medical Strategies – Daniela Poli, MD
- Destination Therapy in Duchenne Patients: When and Why – Rachele Adorasio MD
- ABO Incompatible Organs and Other New Surgical Strategies – Antonio Amodeo, MD
- Mechanical Circulatory Support as a Bridge to Transplantation – Francis Fynn-Thompson, MD
- Immediate Post-Transplant Management – Shri Deshpande, MD
- Panel Discussion

### **Infection, Vaccines and Antibiotics in Children With Cardiac Disease**

*Moderators: Ignazio Barberi MD, Mary Betta MD*

Room: Mt. Stromboli (100)

- Vaccines in children with CHD – Alberto Villani MD
- Role of Palivizumab in CHD – Andrea Dotta MD
- Cardiac Involvement in Neonatal Infections – Lidia Decembrino MD
- Invasive Infections in the Newborn: Epidemiology and Antimicrobial Stewardship – Maria Paola Ronchetti MD
- Rheumatic disease: What the Pediatrician Needs to Know – Agata Vitale MD
- Psychological Sequelae After Infective Endocarditis – Philip Moons, PhD

### **Principles of Inpatient Cardiac Nursing Part 2**

*Moderators: Stephen Trice RN, Manganello Giulia, RN*

Room: Orange (50)

- Implications of Parental Stress – What Can We Do About It? - Carlo Fosco, RN
- Newborn Individualized Developmental Care and Assessment Program (NIDCAP) – Anna Portanova, RN
- Implementation of Individualized Family-Centered Developmental Care in a Cardiac ICU – Melissa Jones, MSN
- Case Studies and Simulation: Supporting Families and Communicating Effectively Within the Team – Carla Fosco, RN

### **Invasive Monitoring**

*Moderators: Fiammetta Piersigilli MD; Zaccaria Ricci, MD Ivana Campanella MD*

Room: Lemon (50)

- How Do I Decide What Catheters to Place in the Operating Room? – Illya Yemets, MD
- Complications of Intracardiac Catheters – Davide Calvaruso MD
- Reducing The Frequency of Central Line Associated Blood Stream Infections – Darren Klugman, MD, MPH
- Epicardial Monitoring: On the Horizon? – Joshua Salvin, MD, MPH
- Panel discussion

**24<sup>th</sup> May, Friday 13.15 – 15.15**

## **Cardiac Surgery and Perioperative Care: Improving Outcomes Utilizing Collaboration and Quality Improvement Techniques**

*Moderators: Fiore Salvatore Iorio, MD; Rosanna Zanai, MD, Epifanio Mondello, PhD*

Room: Mt. Etna (250)

- NPC-QIC An Overview and a Surgical Initiative: Distributing Surgical Plans to the Rest of the Team – James Tweddell, MD
- Improving Handovers from the OR to the ICU with a Standardized Approach – Viviane Nasr, MD
- Reducing the Frequency of Cardiac Arrest Following High Risk Congenital Cardiac Surgery – Darren Klugman, MD, MPH
- The Importance of a Laryngo-Tracheal Team in Complex Cases -Sergio Bottero, MD
- Discussion

## **Management of the Patent Arterial Duct in the Premature Neonate**

*Moderators: Caterina Cacace MD; Marcello Vitaliti MD*

Room: Mt. Stromboli (100)

- Making the Diagnosis – Federico Schena MD
- Fluid Balance – Simona La Placa MD
- Short and Long-Term Complications of Surgical Ligation in the Premature Neonate – Katia Rossi MD
- Medical Management – Daniela Doni MD
- Is There a Role for NIRS Monitoring in Critical Newborns with a PDA? Rosa Maria Cerbo MD
- Catheter-Based Approach to the Premature Infant with a Patent Arterial Duct – Evan Zahn, MD

## **State of the Art: Electrophysiology**

*Moderators: Mitchell Cohen MD, Michele Gulizia MD*

Room: Orange (50)

- Alternative Pacing Sites to Preserve Ventricular Function in Children – Massimo Silvetti MD
- Zero Fluoro: When to Use and When to Not Use – Alfredo di Pino MD
- ACHD Arrhythmias: No Longer Child's Play – J. Philip Saul MD
- Cardiac Resynchronization: Hope or Hype? – Mitchell Cohen, MD
- Panel Discussion

## **The Changing Landscape of Adults with Congenital Heart Disease**

*Moderators: Antonio Amodeo, MD, Giuseppe Cinnirella, MD*

Room: Lemon (50)

- Where Who and How Should ACHD Patients Be Managed? A European Approach – Massimo Chessa, MD
- The "Stepstone" Project: How to Optimally Transition Adolescents to ACHD Care – Philip Moons, PhD
- A Dedicated Clinical Pathway: Integrated Approach for Adult and Pediatric Unit - Gianluigi Perri MD
- Role of the Interventional Cardiologist – Maria Giulia Gagliardi MD



**24<sup>th</sup> May, Friday 15.45 – 17.45**

### **Neurodevelopmental Outcomes in Children with CHD: Etiology and Strategies for Improvement**

*Moderators: Annabella Braguglia MD; Rosa Maria Cerbo MD*

Room: Mt Etna (250)

- Etiology of Neurodevelopmental Outcome in CHD – Raffaele Falsaperla, MD
- Eliminating Brain Injury and Promoting Neurogenesis in the Intensive Care Unit – Melissa Jones MSN & Gil Wernovsky MD
- Brain monitoring in CHD Infants in the NICU - Paola Giliberti, MD
- Brain Insults and Lesions Related to CHD – Luca Ramenghi MD & Alessandro Parodi MD
- Appropriate Follow up in Newborns with CHD – Francesca Campi MD
- Panel Discussion

### **Blalock-Taussig-Thomas Shunts: Problems and Solutions**

*Moderators: Alessandro Giamberti MD, Nikolaus Haas, MD*

Room: Mt. Stromboli (100)

- Prophylactic Anti-platelet Therapy Prior to Surgery – Jason Patregnani, MD
- Multi-Modality imaging of Shunts and Pulmonary Arteries – Laura Olivieri, MD
- Treatment of Shunt Thrombosis in the Cath Lab – Evan Zahn MD
- Current Techniques to Minimize Complications and Maximize Hemodynamics – Francis Fynn-Thompson, MD
- Panel Discussion

### **Cardiopulmonary Bypass in the Neonate: An International Perspective and Panel Discussion**

Moderator: Tom Karl, MD

Room: Orange (50)

- Chicago USA – Molly Oldeen, CCP
- Cincinnati, USA – James Tweddell, MD
- Japan – Shunji Sano, MD
- London, UK – Alex Robertson, CCP
- Kyiv, Ukraine – Illya Yemets, MD
- Paris, France – Christian Mirabile, MD
- Philadelphia, USA – Molly Dreher, CCP
- Taormina, Sicily – Davide Calvaruso, MD

**25<sup>th</sup> May, Saturday 07.45 – 09.45**

### **Tetralogy of Fallot – Early Management and Late Results**

*Moderators: Fiore Iorio MD; Andrea de Zorzi MD and Evan Zahn, MD*

Room: Mt. Enta (250)

- Morphology – Robert Anderson, MD
- In 5 Minutes, I Am Going to Convince You How to Treat The Symptomatic Neonate By:
  - Placing a Shunt – Sergio Filippelli, MD
  - Placing a Stent - Nikolaus Haas, MD
  - Performing a Complete Repair - Francis Fynn-Thompson, MD
- Surgical Management in the Asymptomatic Infant – Lorenzo Galletti MD
- Surveillance for Arrhythmia: How and How Frequently? – Mitchell Cohen, MD
- When Should the Pulmonary Valve be Replaced? – Maria Giulia Gagliardi MD
- So, What Have We Learned After 70 Years of Surgical Management? – Tom Karl, MD

### **Cardiopulmonary Interactions and Inotropic support in the Neonate with a Structurally Normal and Abnormal Heart**

*Moderators: Eloisa Gitto MD, Luisa Pieragostini MD*

Room: Mt. Stromboli (100)

- Interaction Between the Heart and Lungs – Paola Cogo MD
- Ventilation Management in Critical Care – Gianni Vento MD
- Hypotension in the Neonate – Benjamim Ficial MD
- Drug Management in Heart Failure – Savina Mannarino MD
- Panel Discussion

### **Inpatient Echocardiography After CHD Surgery: Important Principles and Techniques**

*Moderators: Massimo Chessa MD; Giovanna Baccano MD*

Room Orange (50)

- Surgical Perspective: Massimo Massetti, MD
- Anesthetic Considerations: Ivana Campanella, MD
- Current Status of 3D Imaging in the Operating Room: Gabriele Rinelli, MD
- Echo in the ICU: Ensuring Safety During the Procedure and Communication of the Results – Darren Klugman MD, MPH
- Panel Discussion

### **New Challenges and Solutions in Cardiac Critical Care**

*Moderators: Simone Reali MD; Sergio Picardo MD*

Room: Lemon (50)

- Pharmacologic and Non-Pharmacologic Strategies for Pain Management – Viviane Nasr, MD.
- Intraoperative Exparel and Mini Sternotomy to Reduce Postoperative Pain – Christopher Tirota, MD
- Neonatal and Pediatric ECMO Management and Outcomes: The CHOP experience – Molly Dreher, CCP
- Transfusion Associated Lung Injury (TRALI) – Joshua Salvin, MD, MPH
- VV ECMO in Pediatric Cardiac Surgery – Cristian Mirabile, MD
- Why Do Patients with a Functionally Univentricular Heart Clot So Easily? – Jason Patreggiani, MD

**25<sup>th</sup> May, Saturday 10.15 – 12.15**

## **Functionally Univentricular Heart: New Concepts and Practices in the Fetus, Infant and Child**

*Moderators: Shunji Sano MD, Alessia Del Pasqua, MD*

Room: Mt. Etna (250)

- A Brief Review of Anatomic Subtypes – Robert Anderson, MD
- How Do I Counsel Families with a Prenatal Diagnosis of Hypoplastic Left Heart?
  - Lisa Hornberger, MD
  - Luciano Pasquini, MD
- Rethinking “Single Ventricle Physiology” and Perioperative Care – Gil Wernovsky, MD
- Rethinking “One Size Fits All” Surgical Decision Making – Fiore Salvatore Iorio, MD
- Where Do We Stand with the “Hybrid Approach” in 2019? – Evan Zahn, MD

## **State of the Art: Imaging Part 2**

*Moderators: Laura Olivieri MD; Placido Romeo, MD*

Room: Mt. Stromboli (100)

- Fetal MRI – Unnecessary Technology or Clinical Reality – David Lloyd, MD
- CT Imaging in Less Than A Second: Changing Cardiac Imaging In Infants – Aurelio Secinaro, MD
- 3D Printing: Obtaining Data Sets and Clinical Utility – Andrew Taylor, MD
- Machine Learning in Cardiac MRI: How Will It Shape the Future? – Vivek Muthurangu MD
- Panel Discussion

## **Cardiac and Non-Cardiac Manifestations of Genetic Syndromes Associated with Congenital Cardiac Disease**

*Moderators: Carmelo Salpietro MD; Franco Cusumano, MD; Marcello Campisi MD*

Room: Orange (50)

- Genetic Syndrome and CHD – Emanuela Salzano, MD
- New laboratory investigations in genetic syndromes with CHD – Antonio Novelli MD
- Counseling for a Patient with a Genetic Syndrome and CHD – Giovannella Russo MD
- Heart and Vessels in Neurocutaneous Disorders – Martino Ruggieri, MD
- Syndromes Associated with Hypertrophic Cardiomyopathy – Mitchell Cohen, MD
- Panel Discussion

## **Bleeding and Blood Conservation Strategies**

*Moderators: Luca Di Chiara MD; Giusy Nicita MD*

Room: Lemon (50)

- Perioperative Blood Management in infants and Children: Worth Its Weight in Gold – Molly Dreher, CCP
- When All Else Fails: Management of Severe Bleeding
  - in Chicago – Molly Oldeen, CCP
  - In London – Alex Robertson, CCP
  - In Paris – Davide Calvaruso
  - In Rome – Chiara Giorni MD
  - In Taormina – Nadia Grasso MD
  - In Washington DC – Jason Patregnani, MD
  -
- Panel discussion

**25<sup>th</sup> May, Saturday 13.30 – 15.30**

### **Functionally Univentricular Heart: Beyond Childhood**

*Moderators: Gil Wernovsky, MD and Salvatore Agati MD*

Room: Mt. Etna (250)

- MRI Assessment of the Fontan Patients: All That's Needed? – Andrew Taylor, MD
- Electrophysiologic Consequences, and Their Effect on Quality of Life – J. Philip Saul, MD
- Physical Activity and Quality of Life – Philip Moons, MD
- “Stage 4”: Transplantation After Fontan – Shri Deshpandi, MD
- Panel discussion

### **State of the Art: Aortic Valve Surgery**

*Moderator Antonio Amodeo, MD, Gianluigi Perri, MD.*

Room: Mt. Stromboli (100)

- A Young Man with Aortic Valve Disease and Small Annulus: Clinical Case and Indication - Francesca Graziani, MD
- Ross Operation: Lorenzo Galletti, MD
- Modified Konno Procedure - Olivier Raisky, MD
- Minimally Invasive Aortic Valve Replacement. Piergiorgio Bruno, MD
- Panel Discussion - Massimo Massetti, Fiore Iorio, Alessandro Giamberti

### **ICU Care, Catheter and Surgical Management While on ECMO**

*Moderators: Viviane Nasr, MD; Sergio Filippelli MD*

Room: Lemon (50)

- ECMO following Stage I Norwood – Francis Fynn-Thompson
- How Best to “Round” on the ECMO Patient – Darren Klugman MD, MPH
- Bedside Nursing Care – Annette Imprescia RN, CCRN
- Monitoring and Treating Bleeding During ECMO – Alex Robertson, CCP
- Panel Discussion

### **Genetics, Environment and New Insights in Cardiovascular Disease**

*Moderators Maria Pia Calabrò MD; Lucy Manuri, MD*

Room: Prickly Pear (50)

- The Influence of the Environment in the Experimental Production of Ventricular Septal Defects – Robert Anderson MD
- What Causes Lung Injury During Cardiopulmonary Bypass? – Jason Patregnani, MD
- What's New in the Genetic Etiologies of Congenital Heart Disease – Bruno Marino, MD
- Who Should Get Genetic Testing After a Proband Presentation of Arrhythmia? – Mitchell Cohen, MD
- Panel Discussion

**26<sup>th</sup> May, Sunday 08.30 – 11.00**

### **State of the Art: Mechanical Circulatory Support**

*Moderators: Antonio Amodeo MD, Massimo Massetti, MD*

Room: Mt. Etna (250)

- The Cardiologist's View: Yesterday, Today and Tomorrow - Roberta Iacobelli, MD
- Small Volume Portable Cardiopulmonary Support – Christopher Tirota, MD
- Mechanical Circulatory Support After Fontan: Experimental Studies – Shri Deshpande, MD
- Supporting the Right Ventricle in the ICU – Luca Di Chiara, MD
- Panel Discussion

### **Featured Lectures in Cardiac Catheterization**

*Moderators: Maria Giulia Gagliardi MD, Michele Saitta MD*

Room: Mt. Stromboli (100)

- New Technology and Clinical Trials – Evan Zahn, MD
- The Crucial Role of the Cardiac Anesthesiologist During Neonatal and Pediatric Catheterization – Viviane Nasr, MD
- Endocarditis Following Transcatheter Melody Valve Placement – Nikolaus Haas, MD
- Aortic Coarctation and Recoarctation: From Simple to Hybrid – Massimo Chessa MD
- A Hybrid Approach to the RV Outflow Tract – Evan Zahn, MD
- Panel Discussion

### **Early Management of the Neonate and Infant with Critical Congenital Heart Disease**

*Moderators: Lili Klein MD, Gabriella Tina MD*

Room: Orange (50)

- Provision of Care to a Fetus With Prenatal Diagnosis of CHD: Chance or Risk? – Stefano Fiocchi, MD
- Critical CHD in the Delivery Room: What the Neonatologist Needs to Know – Nunzia Decembrino, MD
- Prostaglandin Infusion in the Early Management of the Neonate with CHD – Sabrina Salvadori, MD
- Vascular access of the neonate with CHD: from birth to stabilization—Fiammetta Piersigilli MD
- Panel Discussion

### **Evaluation and Treatment of Tricuspid Valve Disease**

*Moderator: Fiore Iorio MD, Massimo Massetti MD*

Lemon (50)

- Adult Patient with Secondary Tricuspid Valve Disease: Clinical Case and Indication - Angelica Delogu MD
- Which Type of Diagnostic Evaluation? - Massimo Chessa MD
- Tricuspid Valve Repair or Replacement - Alessandro Giamberti MD
- Can the Tricuspid Valve in HLHS Be Surgically Managed with Success and Durability? – Shunji Sano, MD
- Panel Discussion