



Thursday 23 May 2019			
08:00-09:00	09:00-10:00	10:00-11:00	11:00-12:00
08:30-09:00 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
09:30-10:00 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
10:30-11:00 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
11:30-12:00	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
12:30-13:00	Channelopathies and Familial Arrhythmias	Device Closure of Septal Defects	Syncope and Sudden Cardiac Death in Children and Young Adults

Friday 24 May 2019			
08:00-09:00	09:00-10:00	10:00-11:00	11:00-12:00
08:30-09:00 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
09:30-10:00 Different Perspectives on the Timing and Fenestration of the Fontan Procedure	Infection, Vaccines and Antibiotics in Children with Cardiac Disease	Management of the POA in the Premature Neonate	Blalock-Taussig-Thomas Shunts: Problems and Solutions
10:30-11:00 Principles of Inpatient Cardiac Nursing (Part 1)	Principles of Inpatient Cardiac Nursing (Part 2)	State of the Art: Electrophysiology	Cardiopulmonary Bypass: An International Perspective
11:30-12:00 Ethical Problems in Intensive Care	Invasive Monitoring	The Changing Landscape of Adults with CHD	

Saturday 25 May 2019		
08:00-09:00	09:00-10:00	10:00-11:00
08:30-09:00 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
09:30-10:00 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
10:30-11:00 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
11:30-12:00 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	
08:00-09:00	09:00-10:00
08:30-11:00	
09:30-10:00	State of the Art: Mechanical Circulatory Support
10:30-11:00	Featured Lectures in Cardiac Catheterization
11:30-12:00	Early Management of the Neonate and Infant with Critical Congenital Cardiac Disease
12:30-13:00	Evaluation and Treatment of Tricuspid Valve Disease

Thursday 7:30 – 9:30

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

Thursday 10:00-12:00

Transposition of the Great Arteries: Part 2

Moderators: Antonio Amodeo MD; Franco 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 – Gaetano D. Gargiulo 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; Zaccaria Ricci MD and 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 Patreggiani, MD
- Thrombotic and Hemorrhagic Complications on MCS: Therapeutic Strategies - Chiara Giorni, MD
- The Role of von Willebrand factor/factor VIII Concentrate Supplementation in CHD Surgery - Marco Ranucci MD
- Rotem: The Clinical Experience - TBD
- A Prospective Trial of Human Fibrinogen Concentrate During Cardiac Surgery – Christopher Tirota, 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

Thursday 1315 - 1515

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, TBD

Room: Orange (50)

- Surgical Management - Alessandro Giamberti, MD
- Exercise – Margherita Ministeri, MD
- Can We Predict Sudden Cardiac Death: Ablation? Medications? ICD? – TBD
- 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

Thursday 1545 - 1745

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
- Gaetano Gargiulo, 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

Friday 0730 - 0930

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: A. 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: Orange (50)

- Informed Consent in the Intensive Care Unit – Caterina Offidani MD
- Palliative Care - Don Luigi Zuccaro MD
- The Decision to Withhold or Withdraw Life Sustaining Interventions: When? – Maurizio Faggioni MD
- Right to Health and Quality of Life – Giulia Amerio, MD
- Panel Discussion

Friday 1000 - 1200

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 and M. Roberti RN

Room: Orange (50)

- Implications of Parental Stress – What Can We Do About It? - C. Fosco RN, N. Counsellor, RN
- Newborn Individualized Developmental Care and Assessment Program (NIDCAP) – A. 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 – C. Fosco RN, N. Counsellor RN

Invasive Monitoring

Moderators: Fiammetta Piersigilli 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

Friday 1315 - 1515

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

Moderators: Fiore Salvatore Iorio, MD; Rosanna Zanai, MD

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 **TBD***

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

Friday 1545 - 1745

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 – Davide Calvaruso, MD
- Philadelphia, USA – Molly Dreher, CCP
- Taormina, Sicily – Salvatore Agati, MD

Saturday 25 May
0745 - 0945

Tetralogy of Fallot – Early Management and Late Results

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

Room: Mt. Stromboli (100)

- Morphology – Robert Anderson, MD
- In 5 Minutes, I Am Going to Convince You How to Treat The Symptomatic Neonate By:
 - Placing a Shunt - Giuseppe Ferro 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

Saturday 1015 - 1215

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

Moderators: *Shunji Sano MD, Salvatore Agati, 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

Saturday 1330 - 1530

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

1530 Early Adjourn

Sunday 0830 - 1100

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

Adjourn and Commencement