



# BOLOGNA ITALY

Congress Centre

5 - 8 June, 2024

# PROGRAM



[www.worldsummitPCHS2024.org](http://www.worldsummitPCHS2024.org)

Hosted by the  
*World Society for Pediatric and Congenital Heart Surgery (WSPCHS)*  
*European Congenital Heart Surgeons Association (ECHSA)*  
*Congenital Heart Surgeons' Society (CHSS)*



World Summit dedicated to:  
*Giancarlo Rastelli*

With Special Participation of the:  
*Italian Society of Pediatric and Congenital Cardiology (SICP)*



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*African Society for Pediatric  
and Congenital Heart Surgery (ASPCHS)*



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ASSOCIATION FOR EUROPEAN  
PAEDIATRIC AND CONGENITAL  
CARDIOLOGY

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CHSS  
JAPAN

*Congenital Heart Surgeons' Society Japan  
(CHSS)*



*Latin American Association of Cardiac  
and Endovascular Surgery (LACES)*



*Sociedad Latina de Cardiología  
y Cirugía Cardiovascular Pediátrica*



## MAIN TOPIC

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### SUBTOPICS

- Surgery for congenital mitral valve anomalies
- Surgery for congenital tricuspid valve anomalies
- Valvar reconstruction in balanced atrio-ventricular defects
- Surgical management of atrio-ventricular valve in single ventricle hearts
- Surgical management of failing atrio-ventricular valves and ventricles

For each topic there will be presentations followed by discussion on:

- Anatomic introduction
- Advanced diagnostic features
- Current surgical strategies (and perfusion techniques)
- Interventional cardiology treatment
- Use of mechanical assist devices (in cases of failing hearts)

# COMMITTEES

## LOCAL HOSTS

Vladimiro Vida, *Padova, Italy*  
Lorenzo Galletti, *Rome, Italy*  
Gaetano Gargiulo, *Bologna, Italy*  
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Liesl Zuhlke, *Cape Town, South Africa*

# PROGRAM

## Wednesday June 5, 2024 • ROOM ITALIA

### 53<sup>RD</sup> SICP NATIONAL CONGRESS

SOCIETÀ ITALIANA DI CARDIOLOGIA PEDIATRICA E DELLE CARDIOPATIE CONGENITE

#### CORONARY ANOMALIES • 8:30 - 10:30

**Moderator:** Giovanni Di Salvo (*Padova*)

**Discussants:** Mauro Lo Rito (*San Donato Milanese*), Nicola Mochi (*Pistoia*),  
Giuseppe Santoro (*Massa*), Biagio Castaldi (*Padova*), Paolo Guccione (*Taormina*)

#### ANOMALOUS ORIGIN OF CORONARY ARTERIES FROM PULMONARY ARTERY

**8:30-8:40**

**Anatomy and Diagnosis**

Ylenia Bartolacelli (*Bologna*)

**8:40-8:50**

**Treatment and Prognosis**

Mario Giordano (*Napoli*)

**8:50-9:00**

Discussion

#### ANOMALOUS AORTIC ORIGIN OF CORONARY ARTERIES

**9:00-9:10**

**Anatomy and Diagnosis**

Paolo Ciliberti (*Roma*)

**9:10-9:20**

**When to treat**

Carlo Pace Napoleone (*Torino*)

**9:20-9:30**

Discussion

#### RISK STRATIFICATION AND SPORT ELEGIBILITY IN CORONARY ANOMALIES

**9:30-9:45**

**The challenge of sport eligibility in coronary anomalies**

Vincenzo Palmieri (*Roma*), Biagio Castaldi (*Padova*)

**9:45-10:00**

Discussion

#### CORONARY ARTERIES IN COMPLEX CHD: REAL ISSUE OR CARDIOLOGIST OVERTHINKING?

**10:00-10:10**

**Pulmonary Atresia with Coronary Fistulae**

Giovanni Meliota (*Bari*)

**10:10-10:20**

**Coronary anomalies in Transposition: still an issue?**

Alessia Del Pasqua (*Roma*)

**10:20-10:30**

Discussion

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SOCIETÀ ITALIANA DI CARDIOLOGIA PEDIATRICA E DELLE CARDIOPATIE CONGENITE

#### ABNORMALITIES OF AORTIC ARCH FROM FETUS TO ADULT: MEET THE EXPERTS • 10:40 - 12:20

**Moderators:** Alessandro Giamberti (*San Donato Milanese*),  
Simona Anna Marcora (*Milano*)

**Discussants:** Maria Giovanna Russo (*Napoli*), Lamia Ait-Ali (*Massa*),  
Matteo Ciuffreda (*Verona*), Emanuela Angeli (*Bologna*)

**10:40-10:50**

**Fetal right ventricle predominance. How do you manage it?**

Giulia Tuo (*Genova*)

**10:50-11:00**

Discussion

**11:00-11:10**

**Vascular rings diagnosed during fetal life. How do you follow them?**

Alessandra Toscano (*Roma*)

**11:10-11:20**

Discussion

**11:20-11:30**

**Imaging aortic arch. Which modality fit the best?**

Francesco Bianco (*Ancona*)

**11:30-11:40**

Discussion

**11:40-11:50**

**Non ductus dependent coartation. When and to whom do you refer it?**

Domenico Sirico (*Padova*)

**11:50-12:00**

Discussion

**12:00-12:10**

**Complex recoartation. How do you approach it?**

Angelo Fabio D'Aiello (*San Donato Milanese*)

**12:10-12:20**

Discussion

**12:30-13:30 • LUNCH**

#### INDUSTRY SPONSORED SESSION • 12:30 - 13:30

**Johnson&Johnson**

**Pulmonary Arterial Hypertension in CHD Patients:  
when cardiac surgeon and clinician come together for the patient**

**Moderator:** Massimo Chessa (*San Donato Milanese*)

**Discussants:** Giuseppe Alberto Annoni (*Torino*), Biagio Castaldi (*Padova*)

**Introduction and objectives**

Massimo Chessa (*San Donato Milanese*)

**12:30-12:45**

**CHD patient with pulmonary arterial hypertension: the pathophysiology  
and timing of cardiac surgery**

Paolo Ferrero (*San Donato Milanese*)

**12:45-13:00**

**The diagnostic pathway of pulmonary arterial hypertension in pediatric  
and adult CHD patients**

Paola Argiento (*Napoli*)

**13:00-13:15**

**What therapies for pulmonary arterial hypertension in congenital patients  
and how to manage them**

Gaia Spaziani (*Firenze*)



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SOCIETÀ ITALIANA DI CARDIOLOGIA PEDIATRICA E DELLE CARDIOPATIE CONGENITE

**13:15-13:25**

Q&A and discussion

Discussant, Moderators, Panelists and Audience

**13:25-13:30**

Conclusions

Massimo Chessa (*San Donato Milanese*)

#### RESTRICTIVE PHYSIOLOGY IN PEDIATRIC CARDIOMYOPATHIES AND CONGENITAL HEART DISEASE • 13:30 - 14:50

**Moderators:** Silvia Favilli (*Firenze*), Andrea Donti (*Bologna*)

**Discussants:** Iacopo Olivotto (*Firenze*), Rachele Adorisio (*Roma*), Giuseppe Limongelli (*Napoli*)

**13:30-13:40**

**Restrictive Cardiomyopathies in children and adolescents (Overview)**

Luca Ragni (*Bologna*)

**13:40-13:50**

Discussion

**13:50-14:00**

**The role of imaging**

Iolanda Sabatino (*Catanzaro*)

**14:00-14:10**

Discussion

**14:10-14:20**

**Implications of genetics for diagnosis and treatment**

Francesca Girolami (*Firenze*)

**14:20-14:30**

Discussion

**14:30-14:40**

**'Acquired' restrictive CMPs**

Marcello Chinali (*Roma*)

**14:40-14:50**

Discussion

#### RESTRICTIVE PHYSIOLOGY IN CHDS • 14:50 - 15:50

**Moderators:** Silvia Favilli (*Firenze*), Andrea Donti (*Bologna*)

**Discussants:** Giuliano Giusti (*Milano*), Angelo Micheletti (*San Donato Milanese*), Rachele Adorisio (*Roma*)

**14:50-15:00**

**Right ventricle**

Gabriele Egidy Assenza (*Bologna*)

**15:00-15:10**

Discussion

**15:10-15:20**

**Left ventricle**

Paolo Ferrero (*San Donato Milanese*)

**15:20-15:30**

Discussion

**15:30-15:40**

**Functionally univentricular heart**

Roberto Formigari (*Genova*)

**15:40-15:50**

Discussion

# PROGRAM

## Wednesday June 5, 2024 • ROOM ITALIA

### 53<sup>RD</sup> SICP NATIONAL CONGRESS

SOCIETÀ ITALIANA DI CARDIOLOGIA PEDIATRICA E DELLE CARDIOPATIE CONGENITE

#### HOT-TOPICS IN PEDIATRIC AND ACHD ARRHYTHMIAS

• 16:00 - 17:00

**Moderators:** Fabrizio Drago (*Roma*), Gabriele Bronzetti (*Bologna*)

**Discussants:** Massimo Stefano Silveti (*Roma*), Fulvio Gabbarini (*Torino*),  
Giulio Porcedda (*Firenze*), Giuseppe Cicone (*San Donato Milanese*)

**16:00-16:10**

**Accessory pathways ablation in asymptomatic pediatric patients: pros and cons**

Loira Leoni (*Padova*)

**16:10-16:20**

Discussion

**16:20-16:30**

**Ventricular arrhythmias in repaired tetralogy of Fallot: role of EPS and ablation.**

Maria Elisabetta Mariucci (*Bologna*)

**16:30-16:40**

Discussion

**16:40-16:50**

**Sudden cardiac death in ACHD: risk stratification and prevention**

Massimo Stefano Silveti (*Roma*)

**16:50-17:00**

Discussion

#### Simposio congiunto medico infermieristico • 17:30 - 19:00

ITALIAN ONLY

**GESTIONE MULTIDISCIPLINARE DI UN NEONATO CON CUORE SINISTRO IPOPLASICO O TRASPOSIZIONE DEI GRANDI VASI**

**Moderators:** Maria Giovanna Russo (*Napoli*), Samantha Scolari (*Bologna*)

**Discussants:** Stiljan Hoxha (*Verona*), Vitali Pak (*Massa*), Guido Oppido (*Napoli*),  
Sasha Agati (*Taormina*), Guido Michielon (*Genova*), Demetrio Pittarello (*Padova*),  
Stefano Maria Marianeschi (*Milano*), Gianfranco Butera (*Roma*), Luca Di Chiara  
(*Roma*), Alessandro Vittucci (*Roma*), Francesca Nardini (*Massa*)

**Ipoplasia del cuore sinistro**

Ilaria Zini (*Bologna*), Tammam Hasan (*Bologna*)

**Trasposizione dei grandi vasi**

Andreea Alina Andronache (*San Donato Milanese*),  
Karina Geraldina Zuniga Olaya (*San Donato Milanese*)

# PROGRAM

## Wednesday June 5, 2024

### PRE-MEETING WORKSHOPS

**ROOM GIALLA • 09:00 - 13:00**

#### EXTENDED FETAL CARDIAC EXAMINATION FOR OBSTETRICIANS: PRENATAL DIAGNOSIS, COUNSELING AND PRACTICE SESSIONS

**Chairs:** Alessia Cerutti, Maria Giovanna Russo, Alvise Guariento, Isabella Fabietti

**Aims:** to raise awareness about the primary types of congenital heart defects detectable during the second trimester of pregnancy and to offer comprehensive counseling to expectant couples upon diagnosis.

**Methods:** Through frontal lectures, the most prevalent cases of congenital heart defects detectable during pregnancy will be explored. Additionally, 3D reconstruction techniques from fetal ultrasounds to create detailed three-dimensional models will be described. Participants will engage in prenatal counseling sessions utilizing these 3D models, supplemented by practical exercises involving ultrasound equipment to analyze fetal heart volumes affected by congenital heart disease.

**Duration:** 240 minutes.

#### **Schedule:**

- Introduction (lecture) (15 minutes)
- Introduction to 3D reconstruction from fetal ultrasounds to create 3D models (15 minutes) *A. Guariento*
- Presentation on anomalies of the 4-chamber scan (30 minutes) *P. Veronese*
- Prenatal counseling using 3D reconstruction models (25 minutes) *P. Veronese, A. Guariento*
- Presentation on anomalies of the Left and Right Ventricular Outflow Tract (30 minutes) *P. Veronese*
- Further discussion on prenatal counseling using 3D reconstruction models (25 minutes) *P. Veronese, A. Guariento*
- **Invited lecture:** Presentation on fetal intervention for Congenital Heart Disease (40 minutes) *I. Fabietti*

- Hands-on session with ultrasound equipment for analyzing fetal heart volumes with congenital heart disease, covering Atrioventricular Septal Defect, Univentricular Heart, Transposition of the Great Arteries and Tetralogy of Fallot (45 minutes) *P. Veronese, I. Fabietti*
- Discussion, farewells, and distribution one free copy of the book "Congenital hearts. A virtual atlas of congenital heart disease in prenatal and postnatal life" to each participant (15 minutes)

**Participants (Max. n=30):** Obstetricians and pediatric cardiologists.

**ROOM ROSSA • 14:00 - 18:00**

#### HANDS-ON IN PEDIATRIC AND CONGENITAL CARDIAC SURGERY (3D SIMULATION)

**Chairs:** Vladimiro Vida, Gaetano Gargiulo, Lorenzo Galletti, Alessandro Giamberti,

**Tutors:** Mark Bleiweis, Attilio Lotto, Jurgen Horer, Aydemir Numan Ali, Ali Dodge-Khatami

**Aims:** To master simple and complex cardiac surgical techniques using cutting-edge tools and materials such as aortic biological valves, prosthetic conduits, and biological patches for aortic arch or valve reconstruction, along with advanced suturing methods.

**Methods:** Hands-on procedures will be conducted on 3D-printed heart and great vessel models, contained in 12 specialized simulators accommodating up to 24 trainees and early-career surgeons.

#### **Simulated Procedures:**

- Aortic Valve Replacement (4 stations – 2 surgeons per station)
- Norwood Procedure for Hypoplastic Left Heart Syndrome (4 stations – 2 surgeons per station)
- Mitral Valve Repair with posterior leaflet patch extension (4 stations – 2 surgeons per station)

Each simulation station will feature two 3D-printed models, allowing active participation of all attendees (totaling 24 models).

# PROGRAM

## Wednesday June 5, 2024

### PRE-MEETING WORKSHOPS

**Duration:** 240 minutes.

**Schedule:**

- Introduction (lecture) - 15 minutes
- Briefing: (covering surgical background, demonstration, and task assignments) - 30 minutes
- Execution: Two sessions with two 3D heart models per simulator - 90 minutes
- Debriefing and Discussion - 15 minutes

**Participants (Max. n=24):** Cardiac surgery residents, fellows, and attending cardiac surgeons.

#### ROOM VERDE • 14:00 - 18:00

### HANDS-ON IN INTERVENTIONAL CARDIOLOGY

**Chairs:** Massimo Chessa, Gianfranco Butera, Biagio Castaldi, Andrea Donti

**Aims:** to delve into the world of innovative percutaneous interventions for congenital and acquired heart and valve diseases.

**Methods:** Our simulation will unfold across four dynamic “working stations,” where participants will engage with devices on simulators or 3D printed heart models.

**Simulated procedures:**

- Atrial Septal Defect/Ventricular Septal Defect occluders
- Percutaneous pulmonary valve implantation
- Percutaneous mitral valve repair
- Percutaneous atrial flow regulator implantation.

**Duration:** 240 minutes.

**Schedule:**

- Introduction: Lecture - 30 minutes
- Briefing: Dive into procedure execution, group division, and a concise

overview of each intervention 30-minute session.

- Execution: Each trainee will rotate through a single simulation station for 20 minutes. Explore device functionality and simulate implantation under expert guidance.
- Debriefing and Discussion: Reflect on experiences and engage in a 15-minute discussion session.

**Participants (Max. n=30):** Cardiologists, clinicians, and cardiac surgeons seeking to deepen their understanding of indications, contraindications, and procedural techniques for these innovative interventions.

#### ROOM GIALLA • 14:00 - 17:00

### TRAINING SIMULATION ON ADVANCED PAEDIATRIC ECHOCARDIOGRAPHY

**Chairs:** Giovanni Di Salvo, Gabriele Rinelli, Anna Balducci, Silvia Favilli

**Aims:** to delve into the forefront of pediatric echocardiography with our immersive training simulation. Designed to elevate your expertise, this session offers hands-on experience using state-of-the-art technology and advanced software, including 4D and Speckle tracking, to explore real-time 3D echocardiography and functional analysis.

**Methods:** Experience firsthand the intricacies of pediatric echocardiography through a hands-on session with pediatric simulators. Additionally, participants will have the opportunity to work with laptops equipped with cutting-edge software, allowing them to familiarize themselves with the latest developments in echo techniques.

**Duration:** 180 minutes.

**Schedule:**

- Introduction: Kickstart your journey with a comprehensive overview in a 15-minute session.
- Presentation on New 2D-3D Echo Techniques: Dive into the latest advancements in echo technology in a 15-minute presentation.

# PROGRAM

## Wednesday June 5, 2024

### PRE-MEETING WORKSHOPS

- Direct Echo Scanning on Pediatric Simulator: Engage in direct scanning on pediatric simulators, encountering up to 250 congenital heart disease cases
- Hands-on Session on Laptops for 4D Echo and Speckle Tracking: Explore the capabilities of 4D echo and speckle tracking in a 60-minute hands-on session.

**Participants (Max. n=30):** Cardiologists, clinicians, obstetricians, and cardiac surgeons seeking to expand their knowledge and skills in advanced pediatric echocardiography.

**14:00 - 18:00 (OUTDOOR)**

### MEDTRONIC CAPSULE ON TRANSCATHETER HEART VALVE THERAPIES

**Aim:** to uncover the cutting-edge transcatheter technologies from Medtronic for treating both congenital and acquired heart valve diseases. This immersive session is designed to equip participants with the skills and knowledge needed to achieve optimal clinical outcomes through the precise implantation of self-expandable valves.

**Methods:** Participants will engage in a comprehensive program that includes an overview of Medtronic's current transcatheter technologies and insights into future innovations. Delve into the transcatheter pulmonary valve implantation procedure with updates on the latest clinical evidence. Experience a step-by-step guide to the Transcatheter Aortic Valve Implantation (TAVI) procedure, followed by hands-on practice using a TAVI virtual simulator. Through group sessions, participants will learn the best practices for implanting self-expandable valves.

#### Schedule:

- Overview of Medtronic's Transcatheter Technologies and Future Innovation (15 minutes)
- Deep Dive into Transcatheter Pulmonary Valve Implantation Procedure and Latest Clinical Evidence Step-by-Step Guide to TAVI Procedure (15 minutes)

- Hands-On Session with TAVI Virtual Simulator for Optimal Valve Implantation – Participants will be divided into groups of 3-4 people (210 minutes)

**Duration:** 240 minutes

**Participants (Max. n=30):** Cardiologists, clinicians, and cardiac surgeons seeking to enhance their understanding and proficiency in percutaneous therapy options for congenital and acquired heart valve diseases.

### ROOM GIALLA

**17:00 - 17:30**

Database Committee Meeting (ECHSA)

**17:30 - 18:00**

Research Committee Meeting (ECHSA)

**18:00 - 19:00**

Board Meeting ECHSA (By invitation only)

### ROYAL HOTEL CARLTON

**19:00 - 22:00**

Governing Council Meeting WSPCHS (By invitation only)

# PROGRAM

## Thursday, June 6, 2024 • ROOM EUROPA

FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

### SESSION 1 • 8:00 - 8:40

**8:00 - 8:20**

Welcome from ECHSA President  
Vladimiro Vida - *Padova, Italy*

Welcome from WSPCHS President  
James K. Kirklin - *Birmingham, USA*

Welcome from CHSS President  
David Overman - *Minneapolis, USA*

Welcome from WSPCHS Executive Director  
Christo I. Tchervenkov - *Montreal, Canada*

**8:20 - 8:40 • SPECIAL LECTURE 1**

introduced by Vladimiro Vida, *Italy*

**Morphology of congenital mitral valve anomalies**

Vera Demarchi Aiello, *Brazil*

### SESSION 2 • 8:40 - 10:15 • MITRAL VALVE I

**Moderators:** Lorenzo Galletti, *Italy* - Luca Vricella, *USA*

**8:40 - 9:00 • LECTURE 1**

**Echocardiography of the Mitral Valve: From clinician to surgeon**

Gabriele Egidy Assenza, *Italy*

**9:00 - 9:20 • LECTURE 2**

**Reconstructive surgery for mitral valve in infancy: What are the options?**

Christopher Baird, *USA (CHSS)*

**9:20 - 9:40 • LECTURE 3**

**The long-term outcomes of surgical reconstruction of the mitral valve in infancy**

Micheal Gatzoulis, *UK*

**9:40 - 10:00 • LECTURE 4**

**Conservative surgery of the mitral valve: What can the adult cardiac surgeon teach to the congenital surgeon? (rings, chordae, minimally invasive approaches. etc)**

Patrick Perier, *France (EACTS)*

**10:00 - 10:15 • DISCUSSION**

**10:15 - 10:45 • COFFEE BREAK**

# PROGRAM

## Thursday, June 6, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### 10:15 - 10:45 • WALKING POSTER ABSTRACT SESSION 1

#### 10:15 - 10:45 • ORAL POSTER PRESENTATION ABSTRACT SESSION 1 DISCUSSION AREA

**Moderators:** Ignacio Juaneda, *Argentina* - Matteo Trezzi, *Italy*

**1. Stenting Of Right Ventricular Outflow Tract Versus Modified Blalock Taussig Thomas Shunt As Palliation Strategy In Symptomatic Neonates With Tetralogy Of Fallot**

Von Stumm Maria

**2. Sanguineous Cardiopulmonary Bypass Prime Accelerates Complement Activation During Pediatric Cardiac Surgery**

Bierer Joel

**3. Cone Repair Of Ebstein's Anomaly In Growing Patients: The UCC Experience**

Yemets Illya

**4. Surgical Management Of Pulmonary Atresia With Ventricular Septal Defect – A Single Center Experience Over Two Decades**

Zapilko Anna Lena

#### SESSION 3 • 10:45 - 12:00 • ORAL PRESENTATIONS 1

**Moderators:** Carlo Pace Napoleone, *Italy* - Ziv Beckerman, *UK*

**1. A Comparison Of Mitral Valve Replacement Outcomes In Children Based On Etiology: A 52 Year Experience**

Brown John

**2. Aortic Valve Surgery In Adolescence: A European Congenital Heart Surgeon Association Congenital Database Study Of 2,129 Patients**

Cattapan Claudia

**3. Overcoming Barriers As We Move Closer To Cardiac Xenotransplantation In Infants With Complex Congenital Heart Disease**

Cleveland David C

**4. Experience In Coronary Artery Bypass Graft In The Pediatric Population In A Middle-Income Country**

Chalela Tomas

**5. Erosion And Embolization After Trans-Catheter Atrial Septal Defect Closure: An European Survey**

Rebonato Micol

**6. Linkage Of The Korean Pediatric And Congenital Heart Surgery Database To A Global Quality Platform Of Congenital Heart Surgery: The Next Step In Knowledge Unification**

St Louis James

#### 12:00 - 12:30

**4<sup>th</sup> Adib D. Jatene Lecture on Surgical Innovation**

Introduced by: Marcelo Jatene, *Brazil*

Speaker: Jose Pedro Da Silva, *USA*

#### 12:30 - 13:00

**CHSS Presidential Address**

Introduced by: Jeffrey P. Jacobs, *USA*

Speaker: David Overman, *USA*

#### 13:00 - 14:00 • LUNCH

#### 13:00 - 13:30 • INDUSTRY SPONSORED SESSION

**Baxter**

**Reducing adhesions in congenital pediatric patients -**

**A Patient-centric Approach**

Carlo Pace Napoleone, *Italy*

# PROGRAM

## Thursday, June 6, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### 13:30 - 14:30 • SURGICAL VIDEO PRESENTATION DISCUSSION AREA

**Moderators:** Aydemir Numan Ali, *Turkey* - Gaia Viganò, *Italy*

- 1. Super Cone Operation for Ebstein's Anomaly**  
Mohanty Smruti Ranjan
- 2. Robotic Approach for Surgical Correction of Scimitar Syndrome via Direct Anastomosis**  
David Blitzer
- 3. Bi-Ventricular Conversion Procedure with Atrial Switch for Patients with Complete Atrioventricular Septal Defect**  
Hani K.Najm
- 4. Rastelli Procedure with Preservation of Native RVOT in L-DORV**  
Bertelli Francesco
- 5. Surgical Repair Of Unusual Variant Of Double Outlet Right Ventricle With Discordant Atrioventricular Connections And Superior-Inferior Ventricles**  
Al Kindi Hamood
- 6. First-in-Man Hybrid Implantation of a Stented Bovine Pericardial Valve into a Degenerated Bovine Jugular Vein Valve in Mitral Position in a Child with Congenital Mitral Valve Stenosis**  
Grieshaber Philippe

#### SESSION 4 • 14:00 - 15:30 • MITRAL VALVE II

**Moderators:** James St. Louis, *USA* - Hoel Tom Nielsen, *Norway* - David Kalfa, *USA*

- 14:00 - 14:20 • LECTURE 5**  
**Current therapeutic strategies, surgical techniques, and outcomes for Rheumatic Mitral Valve Disease**  
Darshan Reddy, *South Africa (WSPCHS)*

**14:20 - 14:40 • LECTURE 6**

**Transcatheter Mitral Valve Therapies/reconstruction (including valve replacement, repair, perivalvar leaks)**  
Francesco Saia, *Italy (GISE)*

**14:40 - 15:00 • LECTURE 7**

**Surgical replacement of the Mitral Valve in children: Experience with mechanical valves**  
Tjark Ebels, *The Netherlands (ECHSA)*

**15:00 - 15:20 • LECTURE 8**

**Alternative surgical options for Mitral Valve Replacement when a mechanical prosthesis is not feasible**  
Emile Bacha, *USA (CHSS)*

**15:20 - 15:30 • DISCUSSION**

**15:30 - 16:00 • COFFEE BREAK**

#### 15:30 - 16:00 • WALKING POSTER ABSTRACT SESSION 2



# PROGRAM

## Thursday, June 6, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### 15:30 - 16:00 • ORAL POSTER PRESENTATION ABSTRACT SESSION 2 DISCUSSION AREA

**Moderators:** Silvia Favilli, *Italy* - Simone Speggorin, *UK*

- 1. Outcomes Of Atrioventricular Septal Defect Repair In Under Resourced Countries: 10-Year Experience In Argentina**  
Juaneda Ignacio
- 2. Midterm Results Of Tricuspid Valve Repair For Ebstein Anomaly In Neonates And Infants**  
Ting Mao
- 3. Remodelling Of The Right Ventricle After Cone Surgery Of The Tricuspid Valve In Ebstein's Anomaly**  
Baessato Francesca
- 4. Addressing Branch Pulmonary Artery Stenosis During Bidirectional Glenn Operation In The Era Of Ductal Stenting: Long Term Results**  
Srimurugan Balaji

#### SESSION 5 • 16:00 - 17:15 • ORAL PRESENTATIONS 2

**Moderators:** Stiljan Hoxha, *Italy* - Riyadh M. Abu-Sulaiman, *Saudi Arabia*

- 1. Congenital Mitral Valve Repair May Not Follow Carpentier Principles: The Importance Of Papillary Muscle Interventions**  
Najm Hani
- 2. Development Of Venovenous Collaterals After Bidirectional Cavopulmonary Shunt Procedure**  
Nguyen Cong Michelle Bao Hoa
- 3. Outcomes Of Mitral Valve Replacement In Children Under 2 Years Of Age - Mechanical Valve Versus Melody Valve**  
Lotto Attilio
- 4. Outcomes Of EXCOR Pediatric Implantation For Pediatric Heart Failure Including Lower Limitations Of Body Weight**  
Komori Motoki

**5. Cardiac Catheterization In Low Weight Infants: Experience Of A Single Center**  
Rebonato Micol

**6. Molecular Insight Into The Mechanism Of Pulmonary Vein Stenosis In Pediatric Patients**  
Birla Ravi

#### SESSION 6 • 17:15 - 17:40 • RAPID FIRE PRESENTATIONS 1

**Moderators:** Hiromi Kurosawa, *Japan* - Guido Oppido, *Italy*

- 1. A Miniaturized Adult Epicardial Pacemaker For Small Neonates With Congenital Heart Block**  
Pena Emily
- 2. Dextrocardia In Single-Ventricle Physiology: Perioperative Aspects And Long-Term Outcomes After Stage 3 Palliation**  
Schaeffer Thibault
- 3. An Unusual Presentation Of Double Outlet Right Atrium**  
Al Kindi Hamood
- 4. Extending The Limits Of The Ross Operation: Preliminary Experience With The Ross-Pears Procedure In Italy**  
Michielon Guido
- 5. Impact Of Duration Of Bilateral Pulmonary Artery Banding On Pulmonary Artery Size After Norwood Operation In HLHS Patients**  
Duebener Lennart

**18:00**

WELCOME RECEPTION & OPENING CEREMONIES

# PROGRAM

## Friday, June 7, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### 8:00 - 8:20 • SPECIAL LECTURE 2

Introduced by: Mauro Lo Rito, *Italy*

#### Morphology of congenital tricuspid valve anomalies

Annalisa Angelini, *Italy (AEPC)*

#### SESSION 7 • 8:20 - 10:00 • TRICUSPID VALVE I

**Moderators:** Alessandro Giamberti, *Italy* - Fekede Agwar, *Ethiopia*

#### 8:20 - 8:40 • LECTURE 9

#### Technical aspects of the CONE procedure

Jose Pedro Da Silva, *USA*

#### 8:40 - 9:00 • LECTURE 10

#### Neonatal management of Ebstein anomaly

Christian Pizarro, *USA (CHSS)*

#### 9:00 - 9:20 • LECTURE 11

#### Advanced imaging of the Tricuspid Valve: From clinician to surgeon

Alison Howell, *Canada*

#### 9:20 - 9:40 • LECTURE 12

#### Long - term results of surgical treatment of Ebstein anomaly

Anastasios C. Polimenakos, *USA (ECHSA)*

#### 9:40 - 10:00 • DISCUSSION

#### 10:00 - 10:30 • COFFEE BREAK

#### 10:00 - 10:30 • WALKING POSTER ABSTRACT SESSION 3

#### 10:00 - 10:30 • ORAL POSTER PRESENTATION ABSTRACT SESSION 3 DISCUSSION AREA

**Moderators:** Gaurav Kumar, *India* - Sara Arrigoni, *The Netherlands*

#### 1. Arterial Switch And Neurological Outcomes.

Corno Antonio F.

#### 2. Correlation Between Novel Cardiac Biomarkers And Myocardial Fibrosis In Patients With Repaired Tetralogy Of Fallot

Meliota Giovanni

#### 3. The First Experience Of Single-Stage Correction Of Ebstein Anomaly With Pulmonary Artery Atresia In Neonates

Movsesyan Ruben

#### 4. Contegra Bovine Jugular Vein Conduit: Durability And Morphological Changes

Nichay Nataly

#### 5. Virtual Reality For Nurse Education In Congenital Heart Diseases: A Randomized Controlled Trial At Azienda Ospedale-Università Padova

Cameran Marco

#### SESSION 8 • 10:30 - 12:00 • TRICUSPID VALVE II

**Moderators:** Gaetano Gargiulo, *Italy* - Boulos Asfour, *Germany*

#### 10:30 - 10:50 • LECTURE 13

#### Surgery for congenital tricuspid valve disease (non- Ebstein) in infants, children, and adults

Mark Hazekamp, *The Netherlands*

#### 10:50 - 11:10 • LECTURE 14

#### Percutaneous options for treating tricuspid valve regurgitation in adolescence/ adulthood

Massimo Chessa, *Italy*

# PROGRAM

## Friday, June 7, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### 11:10 - 11:30 • LECTURE 15

**Surgical treatment of tricuspid valve in systemic position (ccTGA)**

Osami Honjo, *Canada*

#### 11:30 - 11:50 • LECTURE 16

**Tricuspid valve surgery for conditions other than congenital (endocarditis, management of tricuspid regurgitation during pulmonary valve replacement, etc.)**

Kirsten Finucane, *New Zealand (WSPCHS)*

#### 11:50 - 12:00 • DISCUSSION

#### 12:00 - 12:30

**9<sup>th</sup> Stella & Richard Van Praagh Lecture**

Introduced by: Tomasz Mroczek, *Poland*

Speaker: Mark Hazekamp, *The Netherlands*

#### 12:30 - 13:00

**ECHSA Presidential Address**

Introduced by: George Sarris, *Greece*

Speaker: Vladimiro Vida, *Italy*

#### 13:00 - 14:00 • LUNCH

#### 13:00 - 13:30 • INDUSTRY SPONSORED SESSION

### Johnson&Johnson

**Pulmonary arterial hypertension in CHD patients:  
is it always a cardiac surgeon's mistake?**

Michael A. Gatzoulis, *UK*

#### 13:30 - 14:00 - INDUSTRY SPONSORED SESSION



**Clinical Implications for Neutrophil gelatinase-associated Lipocalin (NGAL)  
Guided Risk Assessment**

Christian Albert

#### 13:30 - 14:30 • SURGICAL VIDEO PRESENTATION DISCUSSION AREA

**Moderators:** David Blitzer, *USA* - Mo Xuming, *China*

- 1. Repair of double-chambered left ventricle in the presence of parachute mitral valve papillary muscle attached to the interventricular septum**  
Kiraly Laszlo Kiraly
- 2. Open Hybrid Tricuspid Valve Replacement in a Patient with Pulmonary Atresia, Intact Ventricular Septum, Severely Deficient Tricuspid Valve and Atrial Septal Defect**  
Podgorsek Blaz
- 3. Resection of a Giant Main Pulmonary Artery Aneurysm after Tetralogy of Fallot Repair**  
Grieshaber Philippe
- 4. Surgical tips and tricks in repair of AV Canal Defect with tetralogy of Fallot**  
Kumar Gaurav
- 5. Staged Therapy for Critical Aortic Coarctation and Arch Hypoplasia with Cardiogenic Shock**  
Grieshaber Philippe
- 6. Pulmonary valve preservation in Tetralogy of Fallot. Transannular patch augmentation of the RVOT and cusps enlargement with heterologous pericardial material.**  
Galliotto Francesco

# PROGRAM

## Friday, June 7, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### 14:00 - 14:20 • SPECIAL LECTURE 3

Introduced by: Alvise Guariento, *Italy*

**Morphology of the AV canal (balanced and unbalanced forms)**

Shi Joon Yoo, *Canada*

#### SESSION 9 • 14:20 - 16:00 • VALVAR RECONSTRUCTION IN BALANCED AND UNBALANCED AV CANAL

**Moderators:** David Overman, *USA* - Susan Vosloo, *South Africa* -  
Bart Meyns, *Belgium*

#### 14:20 - 14:40 • LECTURE 17

**Echocardiography and advanced imaging of the Common Atrioventricular  
Valve (including unbalanced forms)**

Giovanni Di Salvo, *Italy*

#### 14:40 - 15:00 • LECTURE 18

**The difficult LAVV in AV canal: Management Options**

Yishay Orr, *USA (WSPCHS)*

#### 15:00 - 15:20 • LECTURE 19

**Late AVV outcomes and management following AVSD repair:  
Re-repair or replacement**

Martin Kostelka, *Germany (ECHSA)*

#### 15:20 - 15:40 • LECTURE 20

**Surgical treatment of unbalanced forms of AV canal:  
Staging the unbalanced AV canal to biventricular repair**

Nicholas D. Anderson, *USA (CHSS)*

#### 15:40 - 16:00 • DISCUSSION

#### 16:00 - 16:30 • COFFEE BREAK

#### 16:00 - 16:30 • WALKING POSTER ABSTRACT SESSION 4

#### 16:00 - 16:30 • ORAL POSTER PRESENTATION ABSTRACT SESSION 4 DISCUSSION AREA

**Moderators:** Nicola Uricchio, *Italy* - Elephterios Protopapas, *Greece*

#### 1. Heart Transplantation In Univentricular Physiology Patients:

**A Pandora's Box**

Tessari Chiara

#### 2. Mid-Term Results Of A New Surgical Technique For Aortic Regurgitation In Children

Lugones Ignacio

#### 3. Left Anterior Mini-Thoracotomy: An Alternative Approach For Pulmonary Valve Replacement After Surgically Corrected Tetralogy Of Fallot

Ho Yan Le

#### 4. ALCAPA Correction With A Pedicled Pulmonary Tube Graft: Long Term Evaluation By Computed Tomography.

Vicente Walter

#### 5. Tricuspid Valve Surgery In Patients With Systemic Right Ventricle: A Single-Center Experience

Bergonzoni Emma

# PROGRAM

## Friday, June 7, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### SESSION 10 • 16:30 - 17:45 • ORAL PRESENTATIONS 3

**Moderators:** Papa Salmane Ba, *Senegal* - Stojan Lazarov, *Bulgaria*

- 1. Twenty-Year Experience Of Ventricular Assist Devices (Vads) For Pediatric And Congenital Heart Disease Patients: A Report From The European Congenital Heart Surgeons Association (ECHSA) Congenital Car**  
Protopapas Eleftherios
- 2. The Impact Of Tricuspid Regurgitation On The Timing Of Pulmonary Valve Replacement In Adult Patients After Tetralogy Of Fallot Repair**  
Brancaccio Gianluca
- 3. Pregraduate Surgical Training Using Three-Dimensional Printed Models Of Hearts With Congenital Heart Defects Versus Pig Hearts - A Prospective Controlled Study**  
Grieshaber philippe
- 4. Perfusion Techniques Results For The Repair Of Interrupted Aortic Arch With Or Without Associated Anomalies.**  
Sandoval Nestor
- 5. Is Bi-Ventricular Repair Suitable For All Symptomatic Neonates And Young Infants With Ebstein Anomaly?**  
Knott-Craig Christopher John
- 6. Impact Of Infundibular Stenosis On The Growth Of Pulmonary Valve Annulus In Patients With Tetralogy Of Fallot**  
Kido Takashi

#### SESSION 11 • 17:45 - 19:00 • ORAL PRESENTATIONS 4

**Moderators:** David Hoganson, *USA* - Ericka Perez Albrecht, *Bolivia*

- 1. A Hybrid Palliation Strategy For HLHS Conveys Excellent Operative And One-Year Survival But The Need For Left Pulmonary Artery Stenting Is A Significant Issue And Should Guide Usage**  
Worrall Neil
- 2. Outcomes Of Surgical Resection Of Pediatric Cardiac Fibromas In The Modern Era**  
Zhang Wen
- 3. Risk Factors For Aneurysm Development And Determinants Of Long-Term Prognosis In Kawasaki Disease**  
Bonanni Francesca
- 4. Repair Of Complete Atrio-Ventricular Septal Defect With Mirror-Image Arrangement**  
Kawada Masaaki
- 5. Perventricular Device Closure Of Ventricular Septal Defects In Patients Less Than 1 Year Of Age: A Word Of Caution**  
Voitov Alexey
- 6. Nutritional Status, Cardio-Pulmonary Bypass And Ventilatory Support Of Children In Low-And Middle-Income Countries**  
Cardarelli Marcelo Gabriel

# PROGRAM

## Saturday, June 8, 2024 • ROOM EUROPA

### FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

#### 8:00 - 8:20 • SPECIAL LECTURE 4

**Introduced by:** Alvise Guariento, *Italy*

**The morphology of AV valves in functionally univentricular hearts**

Stephen P. Sanders, *USA*

#### SESSION 12 • 8:20 - 9:50 • SURGICAL MANAGEMENT OF ATRIOVENTRICULAR VALVES IN FUNCTIONALLY UNIVENTRICULAR HEARTS

**Moderators:** Ali Dodge-Khatami, *Germany* - Leonardo Miana, *Brazil*

#### 8:20 - 8:40 • LECTURE 21

**Echocardiography and Advanced Imaging of the Atrioventricular Valve in Functionally Univentricular Hearts**

Gabriele Rinelli, *Italy (SICP)*

#### 8:40 - 9:00 • LECTURE 22

**Common AV valve regurgitation: repair techniques and surgical results**

Kisaburo Sakamoto, *Japan (WSPCHS)*

#### 9:00 - 9:20 • LECTURE 23

**Management of Tricuspid Valvar Regurgitation in the neonate and infant with hypoplastic left heart syndrome**

Pedro J. Del Nido, *USA*

#### 9:20 - 9:40 • LECTURE 24

**Management of atrioventricular valvar regurgitation after the Fontan Operation**

Edward Buratto, *USA*

#### 9:40 - 9:50 • DISCUSSION

#### 9:50 - 10:20 • COFFEE BREAK

#### 9:50 - 10:20 • WALKING POSTER ABSTRACT SESSION 5

#### 9:50 - 10:20 • ORAL POSTER PRESENTATION ABSTRACT SESSION 5 DISCUSSION AREA

**Moderators:** Massimiliano Cantinotti, *Italy* - Ignacio Lugones, *Argentina*

- 1. Comparative Assessment Of Myocardial Work Index In Univentricular And Biventricular Heart Failure Patients**  
Pelaia Giulia
- 2. Right Vertical Axillary Incision For Ventricular Septal Defect Repair: A Propensity Score Matched Study**  
Lijuan Liu
- 3. Hemoadsorption Filtration During Neonatal Aortic Arch Repair**  
Pace Napoleone Carlo
- 4. Complex Left Ventricular Recruiting Procedure And Biventricular Conversion In A Patient With Shone's Complex And Ventricular Septal Defect**  
Blaz Podgorsek
- 5. Super Cone Operation For Ebstein's Anomaly: Integrated 360° Cone Repair With Bidirectional Glenn**  
Mohanty Smruti Ranjan

# PROGRAM

Saturday, June 8, 2024 • ROOM EUROPA

FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

## SESSION 13 • 10:20 - 12:00 • SURGICAL MANAGEMENT OF FAILING AV VALVES AND FAILING VENTRICLES

**Moderators:** Michael Mitchell, *USA* - Antonio Amodeo, *Italy*

### 10:20 - 10:40 • LECTURE 25

**The role of PAB in patients with dilated cardiomyopathy and MV regurgitation**

Dietmar Schranz, *Germany*

### 10:40 - 11:00 • LECTURE 26

**VAD in Fontan patients**

Jurgen Hoerer, *Germany (ECHSA)*

### 11:00 - 11:20 • LECTURE 27

**LVAD in HLHS patients as bridge to transplant**

Mark Bleiweis, *USA (CHSS)*

### 11:20 - 11:40 • LECTURE 28

**HM III and other LVADs for congenital heart disease**

Peter Murin, *Germany (ECHSA)*

### 11:40 - 12:00 • DISCUSSION

### 12:00 - 12:30

**9<sup>th</sup> Aldo R. Castañeda Lecture:**

**Treating Heart Valve Disease in the Young: Advances in technology**

**Introduced by:** David Overman, *USA*

**Speaker:** Pedro J. Del Nido, *USA*

### 12:30 - 13:00

**WSPCHS Presidential Address**

**Introduction:** Zohair Al-Halees, *Riyadh, Saudi Arabia*

**Speaker:** James K. Kirklin, *USA*

### 13:00 - 14:00 • LUNCH

## 13:30 - 14:00 INDUSTRY SPONSORED SESSION

**Anticoagulation with Bivalirudin in VAD patients**

Ina Michel-Behnke, *Austria*

## 13:30 - 14:30 • SURGICAL VIDEO PRESENTATION DISCUSSION AREA

**Moderators:** Emanuela Angeli, *Italy* - Anil Battharai, *Nepal*

- 1. Modified Takeuchi Repair For Anomalous Left Coronary Artery From The Pulmonary Artery In A Young Adult**  
Tsvetomir Loukanov
- 2. Norwood Glenn After A First Stage Hybrid With Bovine Pericardial Patch**  
Mendoza Crespo Sara Elena
- 3. Beating-Heart Systemic Tricuspid Valve Surgery And Vsd Repair 40 Years After Atrial Switch Procedure For D-Tga As Bridge To Transplant**  
Hoxha Stiljan
- 4. Lugones Technique: A Surgical Approach For Scimitar Syndrome**  
Saxena Shivang
- 5. Warden Procedure For Partially Anomalous Pulmonary Venous Return**  
Grieshaber Philippe
- 6. Ross-Konno Procedure For Left-Ventricular Outflow Tract Obstruction After Repair Of Interrupted Aortic Arch**  
Tsvetomir Loukanov

# PROGRAM

## Saturday, June 8, 2024 • ROOM EUROPA

FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

### SESSION 14 • 14:00 - 15:10 • HUMANITARIAN MISSIONS

**Moderators:** Nestor Sandoval, *Colombia* - Frank Edwin, *Ghana* -  
Jeffrey Jacobs, *USA*

#### 14:00 - 14:15 • LECTURE 29

**A European multicentre educational program**

Giovanni Stellin, *Italy (ECHSA)*

#### 14:15 - 14:30 • LECTURE 30

**Long term impact of our cooperation model**

Alessandro Frigiola, *Italy*

#### 14:30 - 14:45 • LECTURE 31

**What we need in order to grow our programs and serve our patients**

Richard Jonas, *USA (CHSS)*

#### 14:45 - 15:00 • LECTURE 32

**The cooperation in Cameroon: pros and cons**

Charles Mvondo, *Cameroon*

#### 15:00 - 15:10 • DISCUSSION

#### 15:10 - 15:25

**World Database As A Mean To Collect Data In Low Resource Countries**

James St. Louis, *USA*

#### 15:25 - 15:40

**World University For Pediatric And Congenital Heart Surgery:**

**A Global Education Tool**

Darshan Reddy, *Capetown, South Africa (WSPCHS)*

#### 15:40 - 16:10 • COFFEE BREAK

### 15:40 - 16:10 • WALKING POSTER ABSTRACT SESSION 6

### 15:40 - 16:10 • ORAL POSTER PRESENTATION ABSTRACT SESSION 6 DISCUSSION AREA

**Moderators:** Attilio Lotto, *UK* - Pak Vitaly, *Italy*

1. **Is Right Axillary Thoracotomy Superior To Median Sternotomy For Repair Of Ventricular Septal Defects In Infants And Children?**  
Said Sameh
2. **Infantile Absent Right Pulmonary Artery, Surgical Management And Follow Up: Case Series**  
Al-Lawati Ala
3. **Improving Patient Care In The Prenatal Counseling Of Congenital Heart Disease Through A Multidisciplinary Approach: An Experience In Padua**  
Guerra Maria Chiara
4. **Exploring The Impact Of Different Unroofing Degrees: A Patient-Specific Scenario**  
Anglese Serena



# PROGRAM

Saturday, June 8, 2024 • ROOM EUROPA

FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

## SESSION 15 • 16:10 - 17:30 • ORAL PRESENTATION 5

**Moderators:** Driss Boumzebra, Morocco - Ryan E. Accord, The Netherlands

- 1. Half-Turned Truncal Switch Versus Rastelli Operation For Children With Transposition Of The Great Arteries With Left Ventricular Outflow Obstruction**  
Ruzmetov Mark
- 2. Standardization And Outcomes In The Diagnosis And Surgical Treatment Of Patients With Anomalous Aortic Origin Of Coronary Arteries (Aaoca)**  
Sandoval Nestor
- 3. An Important Element Of Cone Reconstruction For Ebstein's Anomaly Is Mitralization Of The Attachment Of The Chordal Apparatus Of The Tricuspid Valve.**  
Bolsunovskii Vladimir
- 4. Rastelli One Patch Technique For Repair Of Complete Atrioventricular Septal Defect: A Single Institutional Experience**  
El Hasnaoui Zineb
- 5. Does Primary Sutureless Repair Improve The Surgical Results Of Asplenasynndrome With Total Anomalous Pulmonary Venous Connection (Tapvc)?**  
Sakurai Takahisa
- 6. Reoperations After Repair Of Atrioventricular Septal Defect**  
Ho Yan Le

**17:30 - 18:00**

### RASTELLI LECTURE

Introduced by: Alessandro Giamberti, Italy

Speaker: Antonella Rastelli, Italy

**18:00 - 18:30**

Farewell remarks

**18:30 - 19:30**

Business Meeting ECHSA (By Invitation Only)

**20:30 - 22:00**

PRESIDENTIAL / FACULTY DINNER RECEPTION (By invitation only)

# Area Poster WALKING POSTERS • POSTER AREA

## ADULT PATIENTS WITH CONGENITAL HEART DISEASE (ACHD)

- WP:01 **PREGNANCY WITH EBSTEIN ANOMALY**  
*Sergii Siromakha, Vasyl Lazoryshynets, Yuliia Davydova, Iryna Zinovchik*
- WP:02 **A RARE PRESENTATION OF PARTIAL AVSD WITH CORTRIATRIUM SINISTER WITH RAGHIB SYNDROME**  
*Amitabh Satsangi*
- WP:03 **CLINICAL USEFULNESS OF WES SECONDARY FINDINGS IN A COHORT OF 100 ADULT PATIENTS WITH GENETIC SYNDROMES INVOLVING HEART**  
*Micaglio Emanuele, Benedetti Sara, Villa Marco, D'Imperio Sara, Giamberti Alessandro, Chessa Massimo, Pappone Carlo*
- WP:04 **FURTHER EVIDENCE OF THE LEUVEN KNOWLEDGE QUESTIONNAIRE FOR CONGENITAL HEART DISEASE (LKQCHD) IN THE ITALIAN POPULATION: A STUDY PROTOCOL**  
*Serena Flocco, Francesca Crò, Cristina Arrigoni, Gianluca Conte, Giovanni Zaffino, Simona DeVecchi, Giovanna Campioni, Massimo Chessa, Rosario Caruso, Arianna Magon*
- WP:05 **QUALITY OF LIFE OF PATIENTS WITH RARE CONGENITAL HEART DISEASE**  
*Maristella Lombardi, Giovanni Meliota, Silvana Catucci, Teodoro Pirolo, Elena Massari, Antonella Maiorano, Ugo Vairo*
- WP:06 **THE SWORD THAT DOES NOT HURT**  
*Marianna Laurito, Ashraf Nassar, Francesca Grossule, Maria Cristina Turina, Teresa Grimaldi, Silvia Copelli, Francesca Mantovani, Roberto Fari, Alessandro Navazio*

- WP:07 **THE RESULTS OF MITRAL VALVE REGURGITATION REPAIR IN ADULT PATIENTS WITH CONGENITAL HEART DEFECTS**  
*Dmitry Kovalev, Michail Chiaureli, Timur Danilov, Victor Samsonov, Lyale Yanybaeva, Anton Minaev, Vera Dontsova, Sophia Tsoy, Olga Medvedeva, Vladimir Podzolkov*
- WP:08 **MANAGEMENT OF TRICUSPID VALVE REGURGITATION IN ACHD WITH SYSTEMIC RIGHT VENTRICLE - THIRTY-YEAR EXPERIENCE**  
*Stiljan Hoxha Hoxha, Jacopo Gardellini, Eleonora De Laurentis, Marco Parolo, Tiziano Menon, Matteo Ciuffreda, Giovanni Battist Luciani*
- WP:09 **THE SURGICAL OUTCOME OF ANOMALOUS ORIGIN OF THE LEFT CORONARY ARTERY FROM THE PULMONARY ARTERY**  
*Farooq Ganie Ganie, Masaratul Gani*
- WP:10 **AORTO-PULMONARY IN ADULT PATIENT OPERATED WITH ECHOCARDIOGRAPHY ASSESSMENT. A CASE REPORT**  
*Agwar Fekede, Ganjula Sitota, Waktola Tolesa*

## INTERVENTIONAL CARDIOLOGY

- WP:11 **PPVI IN CONGENITAL HEART DISEASE: PROGNOSTIC FACTORS**  
*Giorgia Ruffolo, Susanna Breviario, Elena Gribaudo, Gaetana Ferraro, Giuseppe Antonio Mazza, Giuseppe Annoni*

## ADVANCE CARDIAC IMAGING MODALITIES

- WP:12 **PERSISTENT LEFT SUPERIOR VENA CAVA WITHOUT RIGHT SUPERIOR VENA CAVA, A RARE PRESENTATION**  
*Jorge L. Cervantes-Salazar, Diego B. Ortega-Zhindón, Jose A. García-Montes, Hugo A. Argueta-Velásquez, Vincenzo Arenas-Fabbri, Juan Calderón-Colmenero*

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- WP:13 **ANOMALIES OF THE ORIGIN OF CORONARY ARTERIES FROM THE AORTA: DIFFERENCES IN THE CLINICAL-INSTRUMENTAL PRESENTATION PROFILE IN A PEDIATRIC AND ADULT COHORT**  
*Andrea D'Errico, Antonio Saracino, Martina Evangelista, Teresa Concetti, Arianna Gaspari, Andreea Alina Andronache, Luciane Piazza, Alessandro Frigiola, Alessandro Giamberti, Mauro Lo Rito*

## BASIC SCIENCE

- WP:14 **CHILDHOOD HEART DISEASE AND PARENTAL EMOTIONAL WELLBEING: A PREDICTIVE MODEL TO EXPLAIN THE PERCEPTION OF QUALITY OF LIFE IN CHILDREN AND ADOLESCENTS**  
*Antonella Silletti, Teresa Grimaldi Capitello, Cinzia Correale, Giulia Amodeo, Michela Balsamo, Leonardo Carlucci, Caterina Fiorilli*
- WP:15 **IMPACT OF PULMONARY BLOOD FLOW AND CARDIOPULMONARY BYPASS ON LUNG INFLAMMATION AND PULMONARY SURFACTANT COMPOSITION IN PEDIATRIC PATIENTS WITH CONGENITAL HEART DISEASE**  
*Elena Scarparo, Massimo Padalino, Anna Sartori, Manuela Simonato, Lorenzo Gentile, Cristiana Carollo, Vladimiro Vida, Paola Cogo*
- WP:16 **MOLECULAR FINDINGS IN A PATIENT WITH UHL ANOMALY: A RARE PATHOLOGY**  
*José M. Rodríguez-Pérez, Nonanzit Pérez-Hernández, Juan Calderón-Colmenero, Diego B. Ortega-Zhindón, Alberto Aranda-Fraustro, Isela Juárez-Rojo, Germán Nolasco-Rosales, Alma D. Geniz-Mendoza, Yessica C Hernández-García, Jorge L. Cervantes-Salazar*

- WP:17 **URINARY EXTRACELLULAR VESICLES AND KLOTHO LEVELS AS EARLY MARKERS OF RENAL DYSFUNCTION IN FONTAN PATIENTS**  
*Marta Marcia, Luca Deorsola, Anna Maria Villar, Benedetta Bussolati, Cristina Grange, Licia Peruzzi, Carlo Pace Napoleone*
- WP:18 **IDENTIFICATION OF RISK FACTORS OF BRAIN INJURY IN INFANTS WITH CONGENITAL HEART DISEASES UNDERGOING CARDIAC SURGERY ON CARDIOPULMONARY BYPASS**  
*Lorenzo Gentile, Anna Sartori, Stefano Sartori, Elisa Cainelli, Chiara Paolin, Massimo Padalino, Elena Scarparo, Cristiana Carollo, Vladimiro Vida, Paola Cogo*
- WP:19 **UNCOMMON VARIANT OF THE MOST COMMON CYANOTIC CONGENITAL HEART DISEASE: A CASE SERIES OF 3 PEDIATRIC PATIENTS WITH TETRALOGY OF FALLOT, ABSENT PULMONARY VALVE**  
*Arlyn Cantillep*
- WP:20 **CONGENITALLY CORRECTED TRANSPOSITION OF GREAT ARTERIES IN SITUS SOLITUS (S, L, L) IS ASSOCIATED WITH ZIC3 MUTATIONS**  
*Giulio Calcagni, Marcello Niceta, Marta Unolt, Marta Parrino, Anwar Baban, Paolo Versacci, Maria Cristina Digilio, Fabrizio Drago, Marco Tartaglia, Bruno Marino*
- WP:21 **CONGENITAL HEART DEFECT IN RARE GENETIC SYNDROMES DIAGNOSED BY NEXT GENERATION SEQUENCING**  
*Giulio Calcagni, Maria Lisa Dentici, Lorenzo Sinibaldi, Anwar Baban, Monia Magliozzi, Paolo Versacci, Fabrizio Drago, Antonio Novelli, Bruno Marino, Maria Cristina Digilio*

## BIG DATA, NEW TECHNOLOGY, ARTIFICIAL INTELLIGENCE

- WP:22 **TRAINING AND LEADERSHIP IN THE HEALTHCARE PROFESSIONS: DIGITAL TECHNOLOGIES AND PEDAGOGICAL INNOVATION**  
*Mirko Perfili, Danilo Montefoschi, Gianfranco Butera*

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## CARDIAC CATHETERIZATION

- WP:23 **PDA STENTING IN DUCTAL-DEPENDENT PULMONARY CIRCULATION - FIRST STEP OF SURGERY**  
*Petya Parashkevo Parashkevova, Lyubomir Dimitrov, Stoyan Lazarov*
- WP:24 **"A BALLOON IN TIME" SAVES LIFE IN COARCTATION OF THE AORTA. A CASE REPORT ON GHANA'S FIRST BALLOON DILATATION IN AN INFANT**  
*Alex Agyekum, Andrew Twum, Kwadwo Danso, Josephine Tanson, Nana -Akyaa Yao Cardiac Surgery*
- WP:25 **LEFT VENTRICULAR ANEURYSM REPAIR 26 YEARS AFTER SURGERY FOR ANOMALOUS LEFT CORONARY ARTERY FROM THE PULMONARY ARTERY - A CASE REPORT AND BRIEF LITERATURE REVIEW**  
*Hong Jun Yongl, Peter Lang, Anupama Barua, John Dreisbach, Shabana Ali, Gruschen Veldtman, Mark Danton, Sukumaran Nair*
- WP:26 **BILATERAL PULMONARY ARTERY BANDING PALLIATION OF COMMON ARTERIAL TRUNK IN A HIGH RISK, PREMATURE, VERY LOW BIRTHWEIGHT NEWBORN PRIOR TO COMPLETE REPAIR**  
*Neil Worrall*
- WP:27 **INTENSE INFLAMMATION AND CULTURE NEGATIVE ENDOCARDITIS OF AN INTRACARDIAC BOVINE PERICARDIAL PATCH USED DURING CAVC REPAIR ASSOCIATED WITH FIVE OPERATIONS BEFORE AGE TWO**  
*Neil Worrall*

- WP:28 **PULMONARY ROOT TRANSLOCATION AND SHUMAKER PROCEDURE FOR ANATOMICAL REPAIR OF CONGENITALLY CORRECTED TRANSPOSITION OF THE GREAT ARTERIES IN DEXTROCARDIA AND SITUS INVERSUS: A CASE REPORT**  
*Gaia Vigano, Vitali Pak, Vincenzo Poli, Leonardo Torracchi, Vera Cetera, Nadia Assanta, Giuseppe Santoro, Luigi Festa, Lamia Ait-Ali, Chiara Marrone*
- WP:29 **OPTIMIZATION OF PULMONARY VASCULAR RESISTANCE MIGHT SHORTEN LENGTH OF q STAY DURING FONTAN OPERATION: A RETROSPECTIVE ANALYSIS**  
*Thanakit Suebsaicharoen, Thapakorn Yongphiphatwong, Karen M Tam, Chanamon Pongphaew, Poomiporn Katanyuwong, Piya Samankatiwat*
- WP:30 **THREE-DIMENSIONAL PRINTED MODEL USED FOR SURGICAL PLANNING OF COMPLEX AND EXTREMELY RARE LEFT-SIDED SCIMITAR VEIN IN TOTAL ANOMALOUS PULMONARY VENOUS RETURN**  
*Ivo Paunkoskil, Vladimir Chadikovski, Liljana Malinovska-Nikolovska, Vedran Stojanovikj, Vesna Trpkovska, Jordanka Madzoska, Mirjana Krmzova Gjorgjioska, Stefan Arsenkov, Ognen Plavevski, Vladimir Milovanovic*
- WP:31 **THE EFFECTS OF LASER THERAPY IN TREATING KELOID OR HYPERTROPHIC MEDIAN STERNOTOMY SCARS FOLLOWING CARDIAC SURGERY: A SCOPING REVIEW**  
*Laura Schianchi, Arianna Magon, Serena Flocco, Karina Geraldina Zuniga Olaya, Erika Cioffi, Fabrizio Vaira, Matteo Riccardo Di Nicola, Giacomo Bortolussi, Rosario Caruso, Massimo Chessa*

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**WP:32 OUTCOMES OF SURGICAL REPAIR FOR TETRALOGY OF FALLOT AFTER PALLIATIVE RIGHT VENTRICULAR OUTFLOW TRACT STENTING IN PHILIPPINE GENERAL HOSPITAL: A CASE SERIES WITH META-ANALYSIS**

*Tricia Angela Sarile, Carlo Martin Garcia, Gisel Catalan, Richard Nicolas, Jose Jonas Del Rosario, John Kenjie Bernardo*

**WP:33 VENTRICULAR SEPTAL DEFECT REPAIR: SAFE STRATEGY EVEN SINCE FIRST MONTH OF LIFE**

*Aura Maria Rivera, Nestor Sandoval, Ivonne Pineda Rodriguez, Carlos Obando, Albert Franz Guerrero, Lina Ramirez Jimenez, Carlos Villa Hincapie, Jaime Camacho Mackenzie, Julian Senosiain, Tomas Chalela*

**WP:34 ENLARGEMENT OF THE RING AND LEFT VENTRICLE OUTFLOW TRACT DOES NOT INCREASE POSTSURGICAL MORBIDITY AND MORTALITY**

*Nestor Sandoval, Carlos Villa Hincapie, Lina Ramirez Jimenez, Jaime Camacho Mackenzie, Carlos Obando, Ivonne Pineda Rodriguez, Aura Maria Rivera, Albert Franz Guerrero, Julian Senosiain, Tomas Chalela*

**WP:35 TETRALOGY OF FALLOT WITH ABSENT PULMONARY VALVE REPAIR, A MATTER OF SENSE**

*Nestor Sandoval, Tomas Chalela, Albert Franz Guerrero, Ivonne Pineda Rodriguez, Lina Ramirez Jimenez, Aura Maria Rivera, Julian Senosiain, Carlos Villa Hincapie, Jaime Camacho Mackenzie, Carlos Obando*

**WP:36 RISKS FACTOR FOR MORTALITY IN REOPERATIONS FOR RIGHT VENTRICLE TO PULMONARY ARTERY CONDUIT REPLACEMENT**

*Nestor Sandoval, Tomas Chalela, Ivonne Pineda Rodriguez, Albert Franz Guerrero, Lina Ramirez Jimenez, Carlos Obando, Aura Maria Rivera, Carlos Villa Hincapie, Julian Senosiain, Jaime Camacho Mackenzie*

**WP:37 HYPERTROPHIC CARDIAC SURGERY IN PEDIATRIC PATIENTS: IS IT ALL ABOUT MYECTOMY?**

*Kostiantyn Rudenko, Vasyl Lazoryshynets, Polina Danchenko, Maryna Yurkina, Iryna Perepeka, Andriiana Fozekosh*

**WP:38 THE MIDTERM OUTCOME FOLLOWING CONE AND ONE AND HALF VENTRICLE REPAIR IN EBSTEIN'S ANOMALY FROM A LOW-RESOURCE CENTRE IN SOUTHERN INDIA**

*Vijayakumar Raju, Naveen Srinivasan, Kosuhik Jothinath, Vinothkumar Sundarajan, Mani Ram Krishna, Kalyana Sundaram Muthuswamy*

**WP:39 UNEXPECTED CHALLENGE OF ROUTINE PARTIAL ATRIOVENTRICULAR SEPTAL DEFECT REPAIR LEADING TO MITRAL VALVE REPLACEMENT**

*Eleftherios Protopapas, Nicolas Hakim, Charalampos Kavouras, Konstantinos Koukovinos, George Kourelis, George Sarris*

**WP:40 NEAR-INFRARED SPECTROSCOPY MONITORING AS A SUBSTITUTE FOR ARTERIAL CANNULATION DURING SURGICAL CORRECTION OF AORTIC COARCTATION IN PAEDIATRIC PATIENTS**

*Jelena Pjevalica Dragic, Tatjana Zecevic, Ivan Divac, Andrija Pavlovic, Dejan Bisenic, Luka Stanistic, Jasna Kalanj, Igor Stefanovic, Vladimir Milovanovic*

**WP:41 FROM ZERO TO ONE. DEVELOPING THE FIRST PEDIATRIC CARDIAC SURGERY CENTER IN A SMALL MIDDLE-INCOME COUNTRY:**

*Vladimir Chadikovski, William Novick, Vedran Stojanovikj, Vesna Trpkovska, Jordanka Madzoska, Mirjana Krmzova Gjorgjioska, Liljana Malinovska-Nikolovska, Marcelo Cardarelli, Ivo Paunkoski, Ersin Ereik*

**WP:42 ANOMALOUS AORTIC ORIGIN OF A CORONARY ARTERY: OUTCOMES OF SURGICAL INTERVENTION**

*Han Ki Park Park, Yu Rim Shin, Young-Nam Yun, Kyung-Jon Yoo*

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**WP:43 AGE-ADJUSTED NT-PROBNP: A RELIABLE PREDICTOR FOR SUCCESSFUL ATRIO-VENTRICULAR VALVE RECONSTRUCTION AT BCPS**

*Carolin Niederma Niedermaier, Masamichi Ono, Frank Klawonn, Alfred Hager, Stefan Holdenrieder, Jürgen Hörer, Peter Ewert, Jonas Palm*

**WP:44 ALCAPA AND VIEUSSENS RING IN A TWO YEARS OLD ASYMPTOMATIC CHILD**

*Carla Giuseppina Cortil, Luisa Federica Nespoli, Alessandro Varrica, Alessandro Campari, Antonio Saracino, Stefano Carugo*

**WP:45 INFERIOR SINUS VENOSUS ATRIAL SEPTAL DEFECT WITH ANOUMALOUS DRAINAGE OF RIGHT PULMONARY VEINS**

*Luisa Federica Nespoli, Carla Giuseppina Corti, Alessandro Varrica, Alessandro Campari, Antonio Saracino, Stefano Carugo*

**WP:46 LONG TERM EFFECTS OF THE COVID GLOBAL PANDEMIC ON CONGENITAL CARDIAC SURGERY IN A RESOURCE LIMITED COUNTRY: A SINGLE CENTRE EXPERIENCE**

*Rwakaryebe Muhoozi, Michael Oketcho, Kenneth Ahabwe, Herbert Ariaka*

**WP:47 RHEUMATIC MITRAL VALVE REGURGITATION REPAIR IN PEDIATRIC POPULATION**

*Son Moussa, Mouhcine El Mardouli, Zahra Zouizra, Rachid Haouati, Drissi Boumzebra*

**WP:48 MODIFIED TECHNIQUE OF MELODY VALVE IN MITRAL POSITION. MEDIUM-TERM FOLLOW-UP**

*Elena Morelli, Marta Gagliardi, Maria Elena Derchi, Giuseppe Ferro, Roberto Formigari, Guido Michielon*

**WP:49 CRITICAL TRICUSPID REGURGITATION IN THE NEWBORN WITH CHORDAL RUPTURE AND FLAIL LEAFLET: SURGICAL MANAGEMENT AND MID-TERM FOLLOW-UP**

*Xin Li, Jin Huang, Jianyi Liao*

**WP:50 MODIFIED LUGONES PROCEDURE FOR SCIMITAR SYNDROME REPAIR**

*Antonio Gonzalez Calle, Veronica Laudani, Giuseppe Pelella, Ignacio Lugones*

**WP:51 HANDMADE HEIMLICH-TYPE CYLINDER FOR MITRAL VALVE REPLACEMENT IN NEONATES AND INFANTS: A LIFE-SAVING APPROACH**

*Andrii Kurkevych, Olena Stohova, Dmytro Kozhokar, Ibrahim Yusifli, Roman Sekelyk, Illya Yemets*

**WP:52 IS AN AUTOLOGOUS PULMONARY ARTERY PATCH MORE EFFECTIVE THAN A PERICARDIAL PATCH FOR AORTIC ARCH RECONSTRUCTION IN INFANCY? A SINGLE-CENTER RETROSPECTIVE STUDY**

*Qi Jiang, Wen Zhang, Renjie Hu, Yifan Zhu, Hao Chen, Qi Sun, Wei Dong, Haibo Zhang*

**WP:53 EFFECT OF FAMILY MANAGEMENT STYLES ON OUTCOMES OF CHILDREN WITH COMPLEX CONGENITAL HEART DISEASE AFTER PALLIATIVE SURGERY**

*Renjie Hu, Wen Zhang, Wei Dong, Haibo Zhang*

**WP:54 ANOMALOUS ORIGIN OF THE RIGHT CORONARY ARTERY FROM THE PULMONARY ARTERY IN AN ADOLESCENT WITH SUSPECTED CORONARY ARTERY FISTULA**

*Yessica Charytin Hernandez Garcia, Diego B. Ortega Zhindón, Juan Calderón-Colmenero, Jose A. García-Montes, Antonio Benita-Bordes, Hugo A. Argueta-Velásquez, Karla J. Escorcía-Murillo, Jorge L. Cervantes-Salazar*

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- WP:55 **SAFE RESTERNOTOMIES WITHOUT PERIPHERAL FEMORAL CANNULATION IN CHILDREN UNDERGOING PEDIATRIC HEART SURGERY- A SINGLE CENTER EXPERIENCE**  
*Taylor Hasley, Karthik Ramakrishnan, Jerry Allen, Umar Boston, Christopher Knott-Craig*
- WP:56 **EARLY AND LONG-TERM OUTCOMES OF THE PATIENTS UNDERGOING ARTERIAL SWITCH OPERATION FOR D-TRANSPOSITION OF THE GREAT ARTERIES**  
*Juthamas Hannarong, Thaworn Subtaweessin, Teerapong Tocharoenchok, Somchai Sriyoschati, Punnarek Thongcharoen, Kriangkrai Tantiwongkosri, Ekkarat Nitiyarom*
- WP:57 **IMPACT OF POLYHEXANIDE CARE BUNDLE ON PEDIATRIC AND NEONATAL CARDIAC SURGERY SURGICAL SITE INFECTIONS: PRELIMINARY RESULTS OF A RETROSPECTIVE COHORT STUDY**  
*Gianluca Castiello, Greta Ghizzardì, Veronica Calorenne, Alice Genova, Antonio Saracino, Giuseppe Caravella, Giuseppe Isgrò, Gianluca Conte, Arianna Magon, Rosario Caruso*
- WP:58 **A SINGLE CENTRE EXPERIENCE OF LATE PRESENTATIONS OF UNREPAIRED CYANOTIC CONGENITAL HEART DISEASE**  
*Patrick Elnazir, Sophia Khan, Salim Jivanji*
- WP:59 **THE OUTCOME FOLLOWING THE DETACHMENT OF THE TRICUSPID VALVE FOR VENTRICULAR SEPTAL DEFECTS CLOSURE**  
*Mouhcine El Mardouli, Moussa Son, Djenaba Kane, Soukaina Benbakh, Zahira Zouizra, Rachid El Houati, Drissi Boumzebra*
- WP:60 **FACTORS AFFECTING EARLY POSTOPERATIVE HEMODYNAMIC AND LABORATORY PARAMETERS FOLLOWING TOTAL CAVOPULMONARY CONNECTION**  
*Chiara Di Padua, Thibault Schaeffer, Carolin Niedermaier, Jonas Palm, Paul Philipp Heinisch, Alfred Hager, Peter Ewert, Jürgen Hörer, Masamichi Ono*
- WP:61 **RISK FACTORS FOR RECOARCTATION OF THE AORTA AFTER SURGICAL REPAIR IN PEDIATRIC PATIENTS**  
*Giulia Concas, Martina Evangelista, Paola Neroni, Antonio Saracino, Giulia Pasqualin, Alessandro Giamberti, Massimo Chessa*
- WP:62 **STRIDOR AND RECURRENT RESPIRATORY INFECTIONS: A CASE OF CO-DOMINANT DOUBLE AORTIC ARCH**  
*Renzo Cifuentes, Hernan Montero, Ricardo Briceño, Marcela Arellano, Yenedick Leal, Paola Sarmiento*
- WP:63 **ANOMALOUS LEFT CORONARY ARTERY ORIGINATING FROM THE PULMONARY ARTERY TREATED WITH TAKEUCHI PROCEDURE AND MITRAL VALVE REPAIR: A CASE REPORT**  
*Davide Ceruti, Martina Evangelista, Teresa Concetti, Luca Giugno, Giulia Pasqualin, Andreea Alina Andronache, Luciane Piazza, Alessandro Varrica, Alessandro Giamberti, Antonio Saracino*
- WP:64 **A CASE OF SUCCESS IN A PATIENT WITH ANEURYSMAL DILATATION OF THE AORTA AND SEVERE HEART FAILURE IN MARFAN SYNDROME**  
*Claudia Gonzalez García, Andrea Gasca Sánchez, Luis Felipe Castillo Aguilar, Alejandra Guerrero Villalpando, Gabriela Pereira Lopez, Diana Paz Huox, Jorge Luis Cervantes Salazar*
- WP:65 **SURGICAL REPAIR OF COMMON ATRIOVENTRICULAR VALVE DEFECT WITH COMPLEX LEAFLET ARRANGEMENT**  
*Kottayil Brijesh, Reddy Praveen Bayya, Srimurugan Balaji, Krishnakumar Raman*

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WP:66 **DIAGNOSIS, SURGICAL PLANNING AND CLINICAL RESEARCH: REAL LIFE CONTRIBUTIONS OF 3D DIGITAL MODELLING AND PRINTING TO INTERDISCIPLINARY CARE OF COMPLEX CONGENITAL CARDIAC LESIONS**

*Nicola Viola, Trevor Richens, Tara Bharucha*

WP:67 **HISTOLOGICAL ANALYSIS POST PECA EX-GRAFT B-T SHUNTS ESPLANTATION: THE FIRST HISTOLOGICAL ORIGINAL NOVEL**

*Ermanno Bellanti Bellanti, Salvatore Agati, Paolo Guccione*

WP:68 **IMPACT OF AFTERLOAD ON ECMO-PERFORMANCE IN A SIMULATED PULSATILE PEDIATRIC MOCK CIRCUIT**

*Maris Bartkevics, Lorenzo Ferrari, Hansjoerg Jenni, Clarence Pingpoh, Matthias Siepe, Dominik Obrist, Alexander Kadner*

WP:69 **LONG-TERM OUTCOMES OF PEDIATRIC MITRAL VALVE REPLACEMENT WITH MECHANICAL PROSTHESIS**

*Vivek Bagaria, Ahmed Abousteid, Ramana Dhannapuneni, Rafael Guerrero, Tommaso Generali, Ramesh Kutty, Attilio Lotto*

WP:70 **OPTIMIZING LEFT ATRIOVENTRICULAR VALVE REPLACEMENT WITH MECHANICAL PROSTHESIS VIA MINIMALLY INVASIVE APPROACH: A SOLUTION FOR COMPLEX CASES WITH PREVIOUS SURGERIES**

*Saya Aziz, Ariawan Purbojo, Oliver Dewald*

WP:71 **ASSOCIATION BETWEEN ANOMALOUS PARTIAL PULMONARY VEIN CONNECTION AND PULMONARY VEIN ATRESIA: CASE REPORT**

*Hugo Alberto Argueta Velasquez, Jorge L. Cervantes-Salazar, Diego B. Ortega-Zhindón, Vincenzo Arenas-Fabbri, Yessica C. Hernández-García, Cristian A. Castillo-López, Antonio Benita-Bordes*

WP:72 **SURGICAL CASE OF MYOCARDIAL ISCHEMIA IN A 26-YEAR-OLD FEMALE STATUS POST ANOMALOUS LEFT CORONARY ARTERY FROM THE PULMONARY ARTERY (ALCAPA) REPAIR AT 4 MONTHS OF AGE**

*Hussain Al Qattan, Shaya Aldosari, Samantha Mihaimed, Muradha H. Alawami, Zohair Al-Hales*

WP:73 **THE MANAGEMENT AND OUTCOME OF CHILDREN WITH CONGENITALLY CORRECTED TRANSPOSITION OF THE GREAT ARTERIES: A SINGLE CENTER EXPERIENCE**

*Yazeed Alahmed, Ibrahim Alibrahim, Abdurouf Jijeh, Ahmed Aljadoa, Abdulsalam Alsaïad, Telat Yelbuz, Mohamed Kabbani, Abdullah Alghamdi, Fahad Alhabshan*

## CARDIOVASCULAR DISEASE IN THE NEONATE

WP:74 **GENETICS, WHAT ELSE?**

*Andrea Giordano, Rosso Roberta, Renzo Luciano Boldorini, Matteo Castagno, Alice Panizza, Elisa Caristo, Giulia Genoni, Marco Binotti, Ivana Rabbone, Giuseppe Patti*

WP:75 **APPROACHES IN PERIOPERATIVE AND OUTCOMES ASSOCIATED WITH NUTRITION IN NEONATES WITH CONGENITAL HEART DISEASE**

*Greta Ghizzardi, Rosario Caruso, Serena Francesca Flocco, Karina Geraldina Zuniga Olaya, Stefano Maiandi*

## CROSS-SECTIONAL IMAGING

WP:76 **CLASSIFYING CARDIAC ANOMALIES IN RIGHT AND LEFT ISOMERISM: CONCORDANT AND DISCORDANT PATTERNS**

*Lilia Oreto, Daniela Poli, Letteria Bruno, Francesco De Luca, Paolo Ciliberti, Aurelio Secinaro, Rita Calaciura, Lorenzo Galletti, Salvatore Agati, Paolo Guccione*



# Area Poster

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### ECHOCARDIOGRAPHY

WP:77 **ECHOCARDIOGRAPHIC SCORE INCLUDING LEFT ATRIOVENTRICULAR VALVE AREA AND INFLOW FOR ASSESSMENT OF BALANCE BY COMPLETE ATRIOVENTRICULAR SEPTAL DEFECT**

*Zornitsa Vassileva, Anna Kaneva, Stojan Lazarov*

WP:78 **PRENATAL DETECTION OF CONGENITAL HEART DISEASE BY FETAL ECHOCARDIOGRAPHY: A SENEGALESE PRELIMINARY STUDY**

*Khadidiatou Gueye, Magalie Kaya, Kadia Ba, Ousmane Dieye, Ibrahima Bara Diop*

WP:79 **EARLY MARKERS OF VASCULAR AND CARDIAC DYSFUNCTION IN ADOLESCENTS WITH TYPE 1 DIABETES MELLITUS: A COMPREHENSIVE ECHOCARDIOGRAPHIC AND VASCULAR ULTRASOUND STUDY**

*Martina Ghirardo, Irene Cattapan, Alice Pozza, Martina Avesani, Biagio Castaldi, Carlo Moretti, Giovanni Di Salvo*

WP:80 **COMMON ATRIOVENTRICULAR SEPTAL DEFECT: EFFECTIVENESS OF ECHOCARDIOGRAPHIC PARAMETERS IN PREDICTING COMPLETE REPAIR VS SINGLE VENTRICLE PALLIATION AND SHORT TERM OUTCOME**

*Arianna Gaspari, Mauro Lo Rito, Martina Evangelista, Teresa Concetti, Andrea D'Errico, Andreea Alina Andronache, Luciane Piazza, Alessandro Varrica, Alessandro Giamberti, Antonio Saracino*

WP:81 **LONG TERM FOLLOW UP OF GIANT CORONARY ARTERY ANEURYSM AFTER KAWASAKI DISEASE. A SINGLE CENTRE EXPERIENCE**

*Giovanni Antonelli, Flavio Storelli, Giulio Calcagni, Michele Lioncino, Carla Favocchia, Benedetta Leonardi, Livia Gargiullo, Alessandra Marchesi, Fabrizio Drago, Gabriele Rinelli*

WP:82 **INFANT WITH TIMOTHY SYNDROME: A CASE REPORT**

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*Gianluca Mirizzi, Pietro Paolo Tamborrino, Andrea Rossi, Silvia Garibaldi, Pierluigi Festa, Lamia Ait-Ali, Giuseppe Santoro, Chiara Marrone, Nadia Assanta, Marcello Piacenti*

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