



BOLOGNA ITALY

Congress Centre

5 - 8 June, 2024

PROGRAM



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)

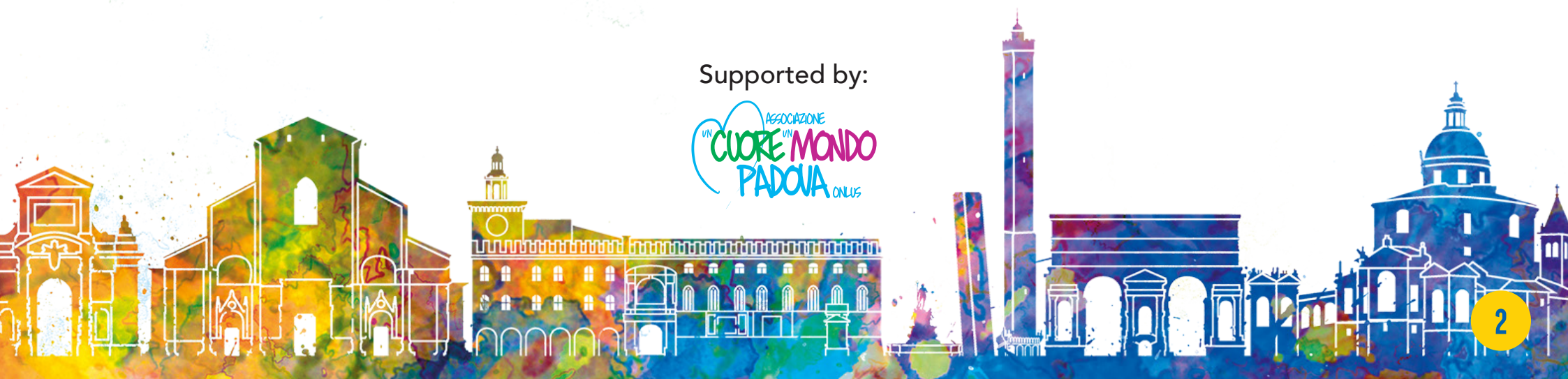


World Summit dedicated to:
Giancarlo Rastelli

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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TOPICS

MAIN TOPIC

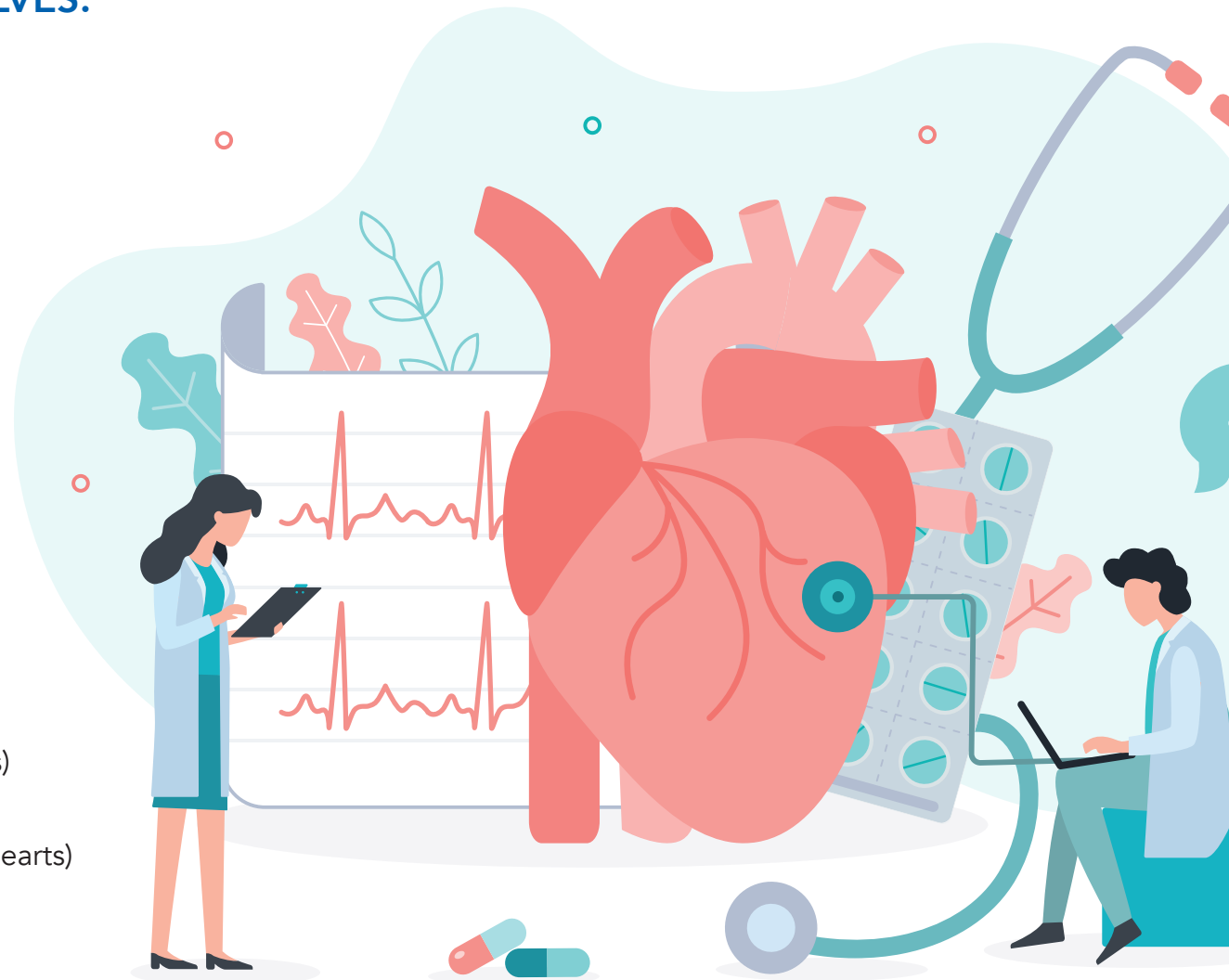
FATE OF THE ATRIOVENTRICULAR VALVES: FROM THE FETUS TO THE ADULT

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

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 Hao Zhang, *Shanghai, China*
 Liesl Zuhlke, *Cape Town, South Africa*



PROGRAM

Wednesday June 5, 2024

53RD SICP NATIONAL CONGRESS

SOCIETÀ ITALIANA DI CARDIOLOGIA PEDIATRICA E DELLE CARDIOPATIE CONGENITE

CORONARY ANOMALIES • 8:30 - 10:30

Moderators: Massimo Padalino (*Bari*), Giovanni Di Salvo (*Padova*)

Discussants: Mauro Lo Rito (*San Donato Milanese*), Flavio D'Ascenzi (*Siena*),
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

PROGRAM

Wednesday June 5, 2024

53RD SICP NATIONAL CONGRESS

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: Giulia Tuo (*Genova*), Lamia Ait-Ali (*Massa*), Matteo Ciuffreda (*Verona*), Emanuela Angeli (*Bologna*), Adriano Carotti (*Roma*)

10:40-10:50

Fetal right ventricle predominance. How do you manage it?

Carmela Morelli (*Napoli*)

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

Moderators: Massimo Chessa (*San Donato Milanese*), Alessandra Manes (*Bologna*)

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

Introduction and objectives

Massimo Chessa (*San Donato Milanese*), Alessandra Manes (*Bologna*)

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*)

PROGRAM

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53RD SICP NATIONAL CONGRESS

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*), Alessandra Manes (*Bologna*)

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

53RD 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 Silveti (Roma), Paolo De Filippo (Bergamo), 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

Berardo Sarubbi (Napoli)

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), Fabrizio De Rita (Palermo), Demetrio Pittarello (Padova), Stefano Maria Marianeschi (Milano), Ugo Vairo (Bari), Gianfranco Butera (Roma), Luca Di Chiara (Roma), Alessandro Vittucci (Roma), Francesca Nardini (Massa)

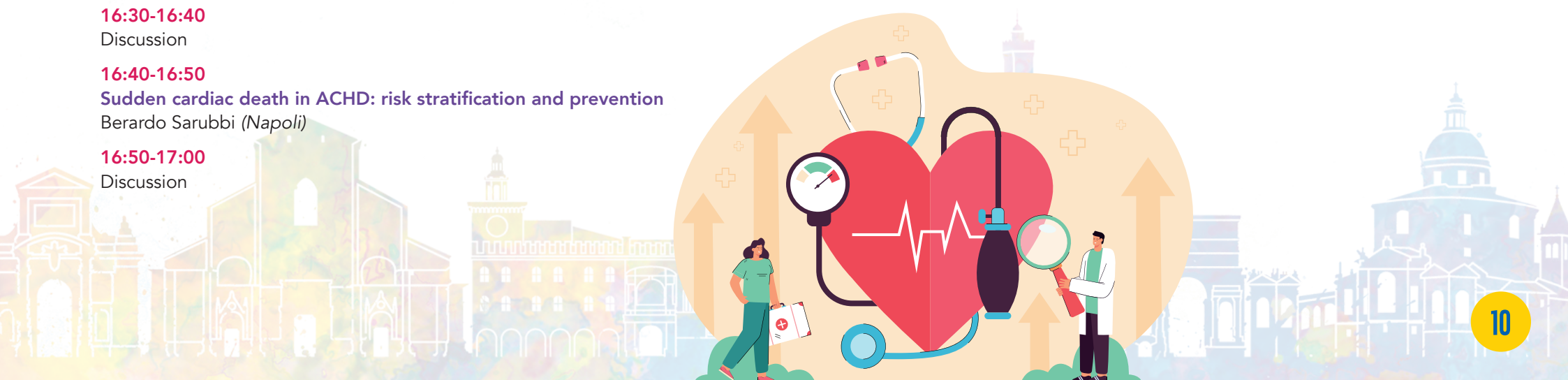
Ipoplasia del cuore sinistro

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: Paola Veronese, Maria Giovanna Russo, Alvise Guariento.

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)
- Presentation on anomalies of the 4-chamber scan (30 minutes)
- Introduction to 3D reconstruction from fetal ultrasounds to create 3D models (30 minutes)
- Prenatal counseling using 3D reconstruction models (30 minutes)
- Hands-on session with ultrasound equipment to analyze fetal heart volumes with congenital heart disease, focusing on atrioventricular septal defect and Univentricular Heart (30 minutes)
- Presentation on anomalies of the Left and Right Ventricular Outflow Tract (30 minutes)
- Further discussion on prenatal counseling using 3D reconstruction models (30 minutes)

- Hands-on session with ultrasound equipment for analyzing fetal heart volumes with congenital heart disease, covering Transposition of the Great Arteries and Tetralogy of Fallot (30 minutes)
- 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 Katami

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).

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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, Gabriele Egidy Assenza, 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

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 Overmann - *Minneapolis, USA*

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

8:20 - 8:40 • SPECIAL LECTURE 1

introduced by Beatriz Furlanetto, *Brazil*

Morphology of congenital mitral valve anomalies

Vera Demarchi Aiello, *Brazil*

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

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

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

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. Peritoneal Dialysis After Pediatric Cardiac Surgery:
A Safe And Effective Therapy

Banerji Orijit

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

Bierer Joel

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

Yemets Illya

5. 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

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

4th 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

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

13:30 - 14:30 • SURGICAL VIDEO PRESENTATION

- 1. Super Cone Operation for Ebstein's Anomaly**
Mohanty Smruti Ranjan
- 2. Robotic Approach for Surgical Correction of Scimitar Syndrome via Direct Anastomosis**
Patel Krushang
- 3. Bi-Ventricular Conversion Procedure with Atrial Switch for Patients with Complete Atrioventricular Septal Defect**
Dakik Lama
- 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

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

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

- 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. Evaluation Of Long-Term Results Of Different Types Of Surgical Correction Of Ebstein's Anomaly**
Khanenova Valentyna
- 5. Addressing Branch Pulmonary Artery Stenosis During Bidirectional Glenn Operation In The Era Of Ductal Stenting: Long Term Results**
Srimurugan Balaji

PROGRAM

Thursday, June 6, 2024

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

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

- 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

- 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

17:45 - 19:15

Business Meeting ECHSA (By Invitation Only)

19:30

WELCOME RECEPTION & OPENING CERIMONIES

PROGRAM

Friday, June 7, 2024

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

8:00 - 8:20 • SPECIAL LECTURE 2

Introduced by: Ugo Vairo, *Italy*

Morphology of congenital tricuspid valve anomalies

Annalisa Angelini, *Italy (AEPC)*

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

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

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

Movesyan 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

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*

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

PROGRAM

Friday, June 7, 2024

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

12:00 - 12:30

9th 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 - 14:30 • SURGICAL VIDEO PRESENTATION

1. Repair of double-chambered left ventricle in the presence of parachute mitral valve papillary muscle attached to the interventricular septum
Király Laszlo Király
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

14:00 - 14:20 • SPECIAL LECTURE 3

Introduced by: Alvis 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

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

PROGRAM

Friday, June 7, 2024

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

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

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

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

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

PROGRAM

Friday, June 7, 2024

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

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

- 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

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

8:00 - 8:20 • SPECIAL LECTURE 4

Introduced by: Francesca Raimondi, *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

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

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**
Deng Xicheng
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**
Salazar Jorge D
5. **Super Cone Operation For Ebstein's Anomaly: Integrated 360° Cone Repair With Bidirectional Glenn**
Mohanty Smruti Ranjan

PROGRAM

Saturday, June 8, 2024

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

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

9th Aldo R. Castañeda Lecture

Introduced by: David Overman, USA

Speaker: Pedro J. Del Nido, USA

12:30 - 13:00

WSPCHS Presidential Address

Introduction: Christo I. Tchervenkov, Canada

Speaker: James K. Kirklin, USA

13:00 - 14:00 • LUNCH

13:00 - 13:30 • INDUSTRY SPONSORED SESSION

Cardiomems Heart Failure (HF) System For Pulmonary Artery Pressure Monitoring: Overview And Clinical Experience

Gianfranco Butera, Italy



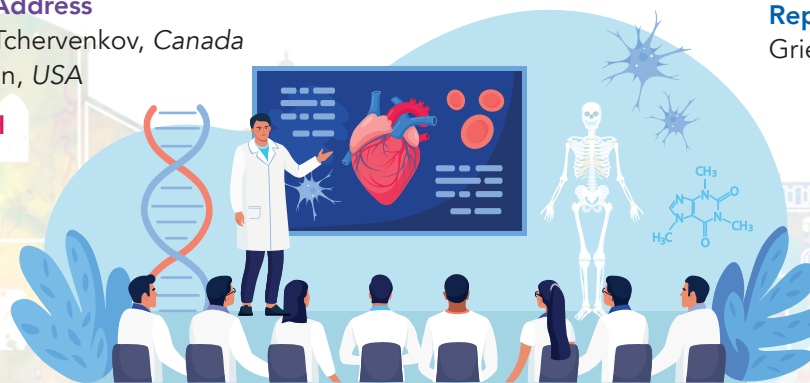
13:30 - 14:00 INDUSTRY SPONSORED SESSION

Anticoagulation with Bivalirudin in VAD patients

Ina Michel-Behnke, Austria

13:30 - 14:30 • SURGICAL VIDEO PRESENTATION

1. Modified Takeuchi Repair For Anomalous Left Coronary Artery From The Pulmonary Artery In A Young Adult
Grieshaber Philippe
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
Grieshaber Philippe



PROGRAM

Saturday, June 8, 2024

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

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

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

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. Single-Center Experience With Mechanical Mitral Valve Replacement In Children

Klymyshyn Yuliia

4. Improving Patient Care In The Prenatal Counseling Of Congenital Heart Disease Through A Multidisciplinary Approach: An Experience In Padua

Guerra Maria Chiara

5. Exploring The Impact Of Different Unroofing Degrees: A Patient-Specific Scenario

Anglese Serena

PROGRAM

Saturday, June 8, 2024

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

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

- 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 Asplenis syndrome 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

Introduction: Alessandro Giamberti, *Italy*
Speaker: Antonella Rastelli, *Italy*

18:00 - 18:30

Farewell remarks

20:00 - 22:00

PRESIDENTIAL / FACULTY DINNER RECEPTION (By invitation only)



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