



BOLOGNA ITALY

Congress Centre

5 - 8 June, 2024

PROGRAM



www.worldsummitPCHS2024.org

WELCOME MESSAGE

Welcome to the **1st World Summit for Pediatric and Congenital Heart Surgery!**

For the first time ever, the **World Summit for Pediatric and Congenital Heart Surgery** will be held in Bologna, Italy on June 5 – 8, 2024 and it will be **hosted by the World Society for Pediatric and Congenital Heart Surgery (WSPCHS), the European Congenital Heart Surgeons Association (ECHSA) and the Congenital Heart Surgeons' Society (CHSS).**

The World Summit will include the participation of the Italian Society of Pediatric and Congenital Cardiology (SICP), the Association for European Paediatric and Congenital Cardiology (AEPC), the African Society for Pediatric and Congenital Heart Surgery (ASPCHS), the Asian Association for Pediatric and Congenital Heart Surgery (AAPCHS), the Sociedad Latina de Cardiología y Cirugía Cardiovascular Pediátrica, the Latin American Association of Cardiac and Endovascular Surgery (LACES), Congenital Heart Surgeons' Society Japan (CHSS Japan).

We expect to bring together more than 500 delegates, representing the leading experts in the field from all over the world.

We are committed to make this World Summit the most comprehensive, current, and technologically-advanced meeting for Pediatric and Congenital Heart Surgery.

We look forward to seeing you in Bologna, where you can learn new techniques and care strategies, catch-up with old friends, and see the latest in technology and research, **all in one place!**

Lorenzo Galletti

Bambin Gesù Paediatric Hospital, Rome, Italy

Gaetano Domenico Gargiulo

University Hospital of Bologna, Bologna, Italy

Alessandro Giamberti

San Donato Hospital in Milan, Milan, Italy

Vladimiro Vida

President ECHSA,

University Hospital of Padua, Padova, Italy

David Overman

President CHSS

Minneapolis, USA

James K. Kirklin

President WSPCHS

Birmingham, USA

Christo I. Tchervenkov

Executive Director and Founding President WSPCHS

Montreal, Canada

6th ECHSA & CHSS Joint Meeting
9th WSPCHS Scientific Meeting
53rd SICP National Congress

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)



Supported by:



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Together we go far

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



*Asian Association for Pediatric
and Congenital Heart Surgery (AAPCHS)*



ASSOCIATION FOR EUROPEAN
PAEDIATRIC AND CONGENITAL
CARDIOLOGY

*Association for European Paediatric
and Congenital Cardiology (AEPC)*



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*



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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Lorenzo Galletti, *Rome, Italy*
Gaetano Gargiulo, *Bologna, Italy*
Alessandro Giamberti, *Milan, Italy*

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PROGRAM

Wednesday June 5, 2024 • ROOM ITALIA

53RD 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

PROGRAM

Wednesday June 5, 2024 • ROOM ITALIA

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: 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

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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 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).

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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

18:00 - 21:00

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

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 • 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

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 - 14:00 - 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: Alvis 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. Hemoabsorption 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

9th 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)

ROOM ROSSA • 18:30 - 19:30

WSPCHS Members Meeting (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
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- WP:88 **EARLY FETAL ATRIOVENTRICULAR SEPTAL DEFECT' DIAGNOSIS CAN AFFECT PREGNANCY MANAGEMENT**
Arianna Riva, Giada Castagna, Matteo Cassina, Vladimiro Vida, Paola Veronese
- WP:89 **TWO DECADES OF EXPERIENCE IN FETAL ARRHYTHMIAS IN BOLOGNA, ITALY**
Caterina Cecilia Lerose, Anna Balducci, Marta Fiorentini, Ylenia Bartolacelli, Valentina Gesuete, Elena Contro, Antonella Perolo, Gianluigi Pilu, Gaetano Gargiulo
- WP:90 **ENHANCING PARENTAL UNDERSTANDING OF CONGENITAL HEART DISEASE THROUGH PERSONALIZED PRENATAL COUNSELING WITH 3D PRINTED HEARTS**
Francesco Galliotto, Paola Veronese, Alessia Cerutti, Filippo Zemin, Francesco Bertelli, Giovanni Di Salvo, Alvisè Guariento, Vladimiro Vida
- WP:91 **THE CHALLENGE OF PRENATAL DIAGNOSIS OF HYPOPLASTIC LEFT HEART SYNDROME: LIFE BEYOND SURGERY?**
Cristina Cadonati, Marco Papa, Stefano Maria Marianeschi, Simona Anna Marcora

HEART FAILURE, TRANSPLANTATION, VENTRICULAR ASSIST

- WP:93 **EXTRA-CORPOREAL MEMBRANE OXYGENATION IN NEONATAL-PAEDIATRIC ACUTE RESPIRATORY DISTRESS SYNDROME: ONE YEAR OF "ISOLATED-ISLAND" EXPERIENCE**
Rosanna Zanai, Ermanno Bellanti, Daniela Poli, Luigi Di Sciacca, Daniela Grasso, Danilo Zuccaro, Alberto Girone, Chiara Tornambè, Enrico Iannace, Salvatore Agati
- WP:94 **SAFETY AND ROLE OF ENDOMYOCARDIAL BIOPSY IN CHILDREN YOUNGER THAN 5 YEARS WITH SEVERE MYOCARDIAL DYSFUNCTION**
Daniela Poli, Paolo Guccione, Rita Emanuela Calaciura, Placido Gitto, Ermanno Bellanti, Paola Francalanci, Rosanna Zanai, Enrico Iannace, Salvatore Agati, Lilia Oreto
- WP:95 **A CASE REPORT ON A 6-YEAR OLD CHILD WITH COMPLETE SHONE COMPLEX PRESENTING WITH LEFT-SIDED HEART FAILURE**
Francis Ed Gahuman
- WP:96 **TWO FAILING HEARTS TO DO THE FUNCTION OF ONE? UTILIZING HEARTS WITH ISOLATED POOR RIGHT OR LEFT VENTRICULAR FUNCTION FROM DONORS FOR HETEROTOPIC CARDIAC TRANSPLANTATION IN UNIVENTRICULAR PATIENTS**
Ayush Balaji, Rishab Makam, Natasha Bocchetta, Mahmoud Loubani, Ignacio Lugones

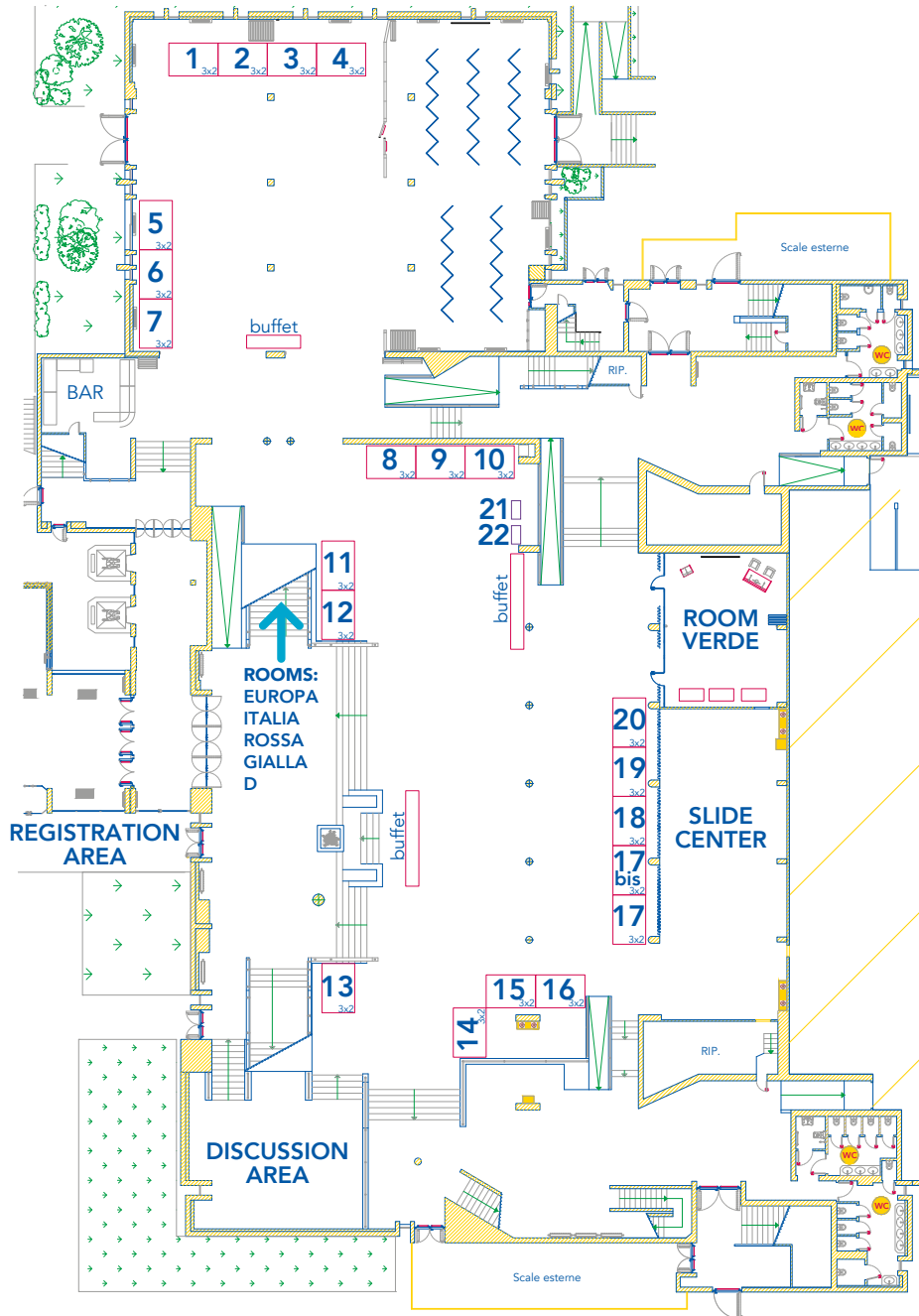
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WALKING POSTERS • POSTER AREA

INTERVENTIONAL CARDIOLOGY

- WP:97 **INTERVENTIONAL LYMPHATIC TREATMENT FOR PLASTIC BRONCHITIS IN FAILING FONTAN CHILDREN**
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- WP:98 **TRANS-CATHETER CLOSURE OF OSTIUM SECUNDUM ASDS WITH MULTIPLE FENESTRATIONS, FIRST ITALIAN MULTI-CENTRIC REGISTER**
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- WP:99 **CYANOSIS DUE TO ISOLATED RIGHT VENTRICULAR HYPOPLASIA TREATED WITH PERCUTANEOUS CLOSURE OF ATRIAL SEPTAL DEFECT**
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- WP:100 **THE YIN AND YANG OF SEGMENTAL ANALYSIS: WHEN HETEROTAXY SYNDROME DOESN'T FIT THE BOX**
Alessandro Felici, Michele Lioncino, Claudia Di Pangrazio, Giovanni Antonelli, Giulio Calcagni, Aurelio Secinaro, Adriano Carotti, Bruno Marino, Fabrizio Drago, Gabriele Rinelli

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GENERAL INFORMATION

CONGRESS VENUE

Bologna Congress Center

Piazza Costituzione 4/a - 40128 Bologna, Italy

WEBSITE

The World Summit for Pediatric and Congenital Heart Surgery official website is <https://www.worldsummitpchs2024.org>

LANGUAGE

English is the official language. Simultaneous translations will not be provided.

REGISTRATION DESK HOURS

The Registration Desk will be opened as follows:

Wednesday 5: 08.00 - 19.00

Thursday 6: 07.30 - 19.00

Friday 7: 07.30 - 19.00

Saturday 8: 07.30 - 18.30

EXHIBITION OPENING HOURS

The Exhibition will be opened as follows:

Wednesday 5: 13.00 - 19.00

Thursday 6: 08.00 - 19.00

Friday 7: 08.00 - 19.00

Saturday 8: 08.00 - 18.00

CONGRESS NAME BADGE

Upon registration you will receive your name badge.

You are kindly requested to wear your badge during all sessions and events.

CERTIFICATES OF ATTENDANCE

Certificates of attendance will be sent by email after the meeting to all the registered participants that will attend the scientific sessions.

INTERNET ACCESS WI-FI

Internet access Wi-Fi is available for congress participants throughout the public areas.

In order to log in please use the following username and password:

Username: **WSPCHS2024**

Password: **bologna2024!**

BREAKS

Lunch and refreshment breaks are included in the delegate fee and will be available in the exhibition area at time indicated in the program.

CLOAKROOM

A cloakroom is available for participants at the Congress center entrance, close to the registration desks. The service is free.

SLIDE CENTER

If you are speaking at the meeting, plan time to visit the Slide center (Speakers preview Room) to review your presentation. This space will have an audio-visual tech on site.

The Speaker Preview Room will be located in the exhibition area.

This space is open during the following hours for speakers use:

Wednesday 5: 08.00 - 18.30

Thursday 6: 07.30 - 18.30

Friday 7: 07.30 - 18.30

Saturday 8: 07.30 - 18.30

PowerPoint projection is available in all meeting rooms. For technical reasons speakers are not allowed to make presentations with their own laptops in the meeting rooms but must load their presentation in the Slide Center.

MOBILE PHONES

Please do not forget to turn your mobile phones to silent mode during sessions.

GENERAL INFORMATION

NON-SMOKING POLICY

The World Summit PCHS 2024 Congress is a Non-Smoking event. Delegates are reminded that smoking in enclosed spaces is illegal in Italy.

LIABILITY AND INSURANCE

The Congress Secretariat and Organizers cannot accept liability for personal accidents or loss of or damage to private property of participants. Participants are advised to take out their own personal travel and health insurance for their trip.

SAFETY AND SECURITY

Please do not leave bags or suitcases unattended at any time, whether inside or outside the session halls.

FIRST AID

Should you require first aid assistance, please contact the registration desk or any uniformed member of the meeting staff.

CURRENCY

Euro (EUR)

All major credit cards (Visa, MasterCard, American Express) are accepted in most of the restaurants, shops etc.

ELECTRICITY

The electric current supplied is 220 V. Round, two-pin plug points are available, as elsewhere in Europe.

In case you have any devices from the USA or UK, please remember to bring a transformer/adapter.

BANKING

Most banks open between 08:30 and 13:30 and 14:45 to 15:45 Monday to Friday. They are closed on weekends and public holidays and most of them have a cash dispenser and a currency exchange service.

TRANSPORTATION

Bus lines 28, 35, 38, 39 to/from the city center and the railway station.

Taxis: Taxis in Bologna can be ordered by phone:

+39 051 4590

+39 051 0909

+39 051 372727

or found at the official taxi stands. You cannot stop a taxi on the road.

USEFUL TELEPHONE NUMBERS

- Medical emergency: **118**
- Fire emergency: **115**
- Police: **113**
- Bologna airport - information: **+39 051 647 9615**
- For international calls from Italy: **00 + country code + number**
- For international calls to Italy: **+39 + city code + number**

Scientific Meetings

2007 – Inaugural Scientific Meeting, Washington, DC, USA Local Host: Richard A. Jonas, MD

2009 – 2nd Scientific Meeting, Cairns, Australia (5th World Congress of Pediatric Cardiology & Cardiac Surgery) Local Host: David Winlaw, MD

2011 – 3rd Scientific Meeting, Istanbul, Turkey Local Host: Sertac M. Cicek, MD

2014 – 4th Scientific Meeting, Sao Paulo, Brazil Local Host: Marcelo B. Jatene, MD

2016 – 5th Scientific Meeting, Abu Dhabi, UAE Local Host: Zohair Al-Halees, MD

2018 – 6th Scientific Meeting, Orlando, Florida, USA Local Hosts: Jeffrey P. Jacobs and Marshall L. Jacobs, MD

2020 – 7th Scientific Meeting, New Delhi, India (Cancelled COVID-19)

2022 – 7th Scientific Meeting, Marrakesh, Morocco Local Host: Drissi Boumzebra, MD

2023 – 8th Scientific Meeting, Washington, DC, USA (8th World Congress of Pediatric Cardiology & Cardiac Surgery) Local Host: Jeffrey P. Jacobs, MD

2024 – 9th Scientific Meeting, Bologna, Italy (World Summit for Pediatric and Congenital Heart Surgery) Local Host: Vladimiro Vida, MD

Presidential Addresses

2007 – Christo I. Tchervenkov, Montreal, Canada

2009 – Christo I. Tchervenkov, Montreal, Canada

2011 – Giovanni Stellin, Padova, Italy

2014 – Hiromi Kurosawa, Tokyo, Japan

2016 – Richard A. Jonas, Washington, DC, USA

2018 – Marcelo B. Jatene, Sao Paulo, Brazil

2022 – Zohair Al-Halees, Riyadh, Saudi Arabia

2023 – James K. Kirklin, Birmingham, USA

2024 – James K. Kirklin, Birmingham, USA

NAMED LECTURES

Aldo R. Castaneda Lectures

2007 – Aldo R. Castañeda, Guatemala City, Guatemala

2009 – Roger B. Mee, Williams Town, Australia

2011 – Robin H. Kinsley, Johannesburg, South Africa

2014 – Constantine Mavroudis, Orlando, Florida, USA

2016 – Sir Magdi Yacoub, London, UK

2018 – William I. Norwood, Wilmington, Delaware, USA

2022 – Giovanni Stellin, Padova, Italy

2023 – Joseph Dearani, Rochester, USA

2024 – Pedro del Nido, Boston, USA

Adib D. Jatene Lectures

2014 – Adib D. Jatene, Sao Paulo, Brazil

2016 – Devi Prasad Shetty, Bangalore, India

2018 – Marshall L. Jacobs, Baltimore, Maryland, USA

2022 – Muhammad Alfagih, Riyadh, Saudi Arabia

2023 – Guillermo Kreutzer, Buenos Aires, Argentina

2024 – Jose Pedro Da Silva, Pittsburgh, USA

Stella & Richard Van Praagh Lectures

2007 – Richard Van Praagh, Boston, USA

2009 – Robert H. Anderson, London, UK

2011 – James Wilkinson, Melbourne, Australia

2014 – Vera D. Aiello, Sao Paulo, Brazil

2016 – Gaetano Thiene, Padova, Italy

2018 – Paul Weinberg, Philadelphia, Pennsylvania, USA

2022 – Diane Spicer, Gainesville, Florida, USA

2023 – Marie Béland, Montreal, Canada

2024 – Mark Hazekamp, Leiden, Netherlands

MEETINGS

Regional Meetings, Summits, Multi-Societal Meetings

- 2008 – World Summit, Montreal, Canada
- 2010 – July, Multi-Societal Meeting, Antigua, Guatemala
- 2010 – October, Regional Meeting, Shanghai, China
- 2012 – Multi-Societal Meeting, Lima, Peru
- 2015 – February, Multi-Societal Meeting, Cartagena, Colombia
- 2015 – November, Regional Meeting, Kyoto, Japan
- 2019 – June, Joint Meeting ECHSA & WSPCHS, Sofia, Bulgaria
- 2019 – November, Regional Meeting, Bali, Indonesia
- 2022 – Joint Meeting, African Society for Pediatric and Congenital Heart Surgery & WSPCHS, Marrakesh, Morocco
- 2024 – World Summit for Pediatric and Congenital Heart Surgery, Bologna, Italy**

Annual Members Meetings

- 2007 – Washington, DC, USA
- 2008 – Montreal, Canada
- 2009 – Cairns, Australia
- 2010 – Antigua, Guatemala
- 2011 – Istanbul, Turkey
- 2012 – Lima, Peru
- 2013 – Cape Town, South Africa
- 2014 – Sao Paulo, Brazil
- 2015 – Cartagena, Colombia
- 2016 – Abu Dhabi, UAE
- 2017 – Barcelona, Spain
- 2018 – Orlando, Florida, USA
- 2019 – Sofia, Bulgaria
- 2020 – By Zoom
- 2021 – By Zoom
- 2022 – Marrakesh, Morocco
- 2023 – Washington, USA
- 2024 – Bologna, Italy**

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Hearts for Life across the World
WORLD UNIVERSITY FOR PEDIATRIC AND CONGENITAL HEART SURGERY

Every child born anywhere in the world with a congenital heart defect should have access to appropriate medical and surgical care!

Join the World University for Monthly Webinars
 Register at <https://wupchs.education>

Vision & Mission

The **Vision** of the World University for Pediatric and Congenital Heart Surgery is that every health care professional, anywhere in the world involved in the care of patients with pediatric and congenital heart disease, should have access to ongoing education.

The **Mission** of the World University for Pediatric and Congenital Heart Surgery is to promote and facilitate access to education of surgeons and allied professionals involved in the care of patients with pediatric and congenital heart disease.

Latest Recordings Online

35th Curriculum Webinar
Pulmonary Conduits 2

36th Curriculum Webinar
Redo Cardiac Surgery

37th Curriculum Webinar
Transposition of the Great Arteries, Ventricular Septal Defect

Partnering Organizations

The generous support of the Drs. Ivan & Milka Tchervenkov Endowment Fund of the Montreal Children's Hospital Foundation is acknowledged.



Hearts for Life across the World
WORLD DATABASE FOR PEDIATRIC AND CONGENITAL HEART SURGERY

Every child born anywhere in the world with a congenital heart defect should have access to appropriate medical and surgical care!

JOIN THE WORLD DATABASE!

Mission

As part of the mission of the World Society for Pediatric and Congenital Heart Surgery, the World Database for Pediatric and Congenital Heart Surgery has been developed and will be maintained for the purposes of furthering knowledge concerning the global practice and outcomes of pediatric and congenital heart surgery; fostering an environment of quality improvement in participating hospitals, without geographic constraints regarding eligibility for participation; and promoting scientific investigation and publication based on analyses of this world database, with collaboration among a wide array of international colleagues.

How can I enroll my hospital?

- Interested in learning more? Visit the link below and provide your contact information. A WDPCHS representative will reach out to you with more information.
<https://wdpchs.kirso.net/contact-us>
- At least one member of the institution should be a member in good standing of the WSPCHS.
- Sign and return the WSPCHS Data Use Agreement and Participation Agreement.

FREE Database Participation for WSPCHS Members
 75 hospitals participating from 22 countries
 21,501 Tier 1 Surgeries Entered
 18,474 Tier 2 Surgeries Entered
 39,975 Total Surgeries Entered*
 *As of May 10, 2023

Data Coordinating Center: KIRKLÍN SOLUTIONS
INFORMATICS. INNOVATION. INTELLIGENCE.

Current Database Sponsors

Mortality following repair of complex congenital heart defects (CHD) has decreased to less than 2% in developed nations. However, in many countries, the burden of CHD on global health, economic stability, and infant mortality far exceeds the resources allocated. The lack of a singular global network precludes the exchange of critical knowledge and expertise that could improve surgical outcomes. The WSPCHS in a collaborative effort with other congenital heart societies worldwide has created such a global network. These efforts have and are occurring with several countries, including: the United States, South Korea, China, Brazil, Mexico, Japan, and Colombia. The linkage of both established and newly developed national congenital heart surgery databases will ensure the ongoing expansion of these efforts and solidify the creation of a global network for CHD.





Hearts for Life across the World

WORLD JOURNAL FOR PEDIATRIC AND CONGENITAL HEART SURGERY

Every child born anywhere in the world with a congenital heart defect
should have access to appropriate medical and surgical care!

Call for papers

<https://mc.manuscriptcentral.com/pch>

The World Journal for Pediatric and Congenital Heart Surgery (WJPCHS) is a bimonthly, peer reviewed scientific publication dedicated to the advancement and dissemination of knowledge pertaining to congenital heart anomalies, and pediatric heart diseases in general.

It is the official journal of the World Society for Pediatric and Congenital Heart Surgery (WSPCHS), the African Society for Pediatric and Congenital Heart Surgery (ASPCHS), the Congenital Heart Surgeons' Society (CHSS), and European Congenital Heart Surgeons Association (ECHSA). A central focus of the Journal is the surgical aspect of the care of infants, children, and adults. The International Editorial Advisory Board includes specialists in congenital heart surgery, cardiology, anesthesia, critical care and nursing.



Official Journal of



Congress Secretariat



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