



7th Meeting of World Society For Pediatric
& Congenital Heart Surgery

1st Meeting of The African Society For Pediatric
& Congenital Heart Surgery



15th - 19th
PROGRAM
June 2022

<https://marrakesh2022.wspchs.org/>



📍 Kenzi Rose Garden Farah, Marrakesh - Morocco

WELCOME MESSAGE

Dear colleagues and friends,

The World Society for Pediatric and Congenital Heart Surgery will be holding its 7th Scientific Meeting on June 15-19, 2022 in Marrakesh, Morocco. The 7th Scientific Meeting will be held in association with the Inaugural Meeting of the newly established African Society for Pediatric and Congenital Heart Surgery.

The Program Committee has worked hard to put together an exciting program. There will be a Postgraduate Course on the topic of "Tetralogy of Fallot" and a Symposium on "Rheumatic Heart Disease". The three named lectures will be the "Stella & Richard Van Praagh Lecture" to be delivered by Diane Spicer, Gainesville, USA; the "Aldo R.C. Castañeda Lecture" to be delivered by Giovanni Stellin from Italy and the "Adib Jatene Lecture" by Mohammad Alfagih, Riyadh, Saudi Arabia. World Society President, Zohair Al-Halees, will deliver the Presidential Address. Also the African Society President, Frank Edwin, will deliver his Presidential Address. In addition there will be multiple oral presentations of the best abstracts submitted. The rest of the selected abstracts will be presented as posters. The Joint Scientific Meeting will also have a Featured Symposium: "How to Start a Congenital Heart Center in Resource Limited Settings". There will be updates on the World Database for Pediatric and Congenital Heart Surgery as well as on the World University for Pediatric and Congenital Heart Surgery.

The Joint World Society and African Society Scientific Meeting will be a fantastic occasion for pediatric and congenital heart specialists and their colleagues from the African continent and around the world to meet, share the latest scientific information, exchange ideas and establish friendships and professional connections that will greatly benefit our patients.

We invite you to the historic city of Marrakesh, Morocco and to become active members in the global coalition to improve care and education for children and adults with congenital heart disease.



Drissi Boumzebra
Local Host & Meeting President
Co-Chair, Program Committee
Marrakesh, Morocco



Zohair Al Halees
World Society President
Riyadh, Saudi Arabia



Frank Edwin
African Society President
Accra, Ghana



James D. St. Louis
Co-Chair, Program Committee
Augusta, USA



Christo I. Tchervenkov
Co-Chair, Program Committee
Executive Director & Founding President
Montreal, Canada



LOCAL HOST & MEETING PRESIDENT

Drissi Boumzebra, Marrakesh, Morocco

LOCAL COMMITTEE

CHAIR :

Drissi Boumzebra, Marrakesh, Morocco
Abdessamad Abdo, Marrakesh, Morocco
Soukaina Benbakh, Marrakesh, Morocco
Said Chraibi, Casablanca, Morocco
Mohamed El Alaoui, Marrakesh, Morocco
Rachid El Haouati, Marrakesh, Morocco
Mustapha El Hattoui, Marrakesh, Morocco
Nadia El Idrissi Slitine, Marrakesh, Morocco
Mouhcine El Mardouli, Marrakesh, Morocco
Saloua Karimi, Marrakesh, Morocco
Mohamed Laaroussi, Rabat, Morocco
Zahira Zouizra, Marrakesh, Morocco

PLANNING COMMITTEE

CO-CHAIRS :

Drissi Boumzebra, Marrakesh, Morocco
Christo I. Tchervenkov, Montreal, Canada

Zohair Al-Halees, Riyadh, Saudi Arabia
Sertac Cicek, Istanbul, Turkey
Frank Edwin, Accra, Ghana
Adel Elgamal, Mansoura, Egypt
Mouhcine El Mardouli, Marrakesh, Morocco
Mohamed El Alaoui, Marrakesh, Morocco
Kirsten Finucane, Auckland, New Zealand
Claudia Herbst, Vienna, Austria
Krishna S. Iyer, New Delhi, India
Jeffrey P. Jacobs, Gainesville, USA
Marcelo Jatene, Sao Paulo, Brazil
Richard A. Jonas, Washington, D.C., USA
James K. Kirklin, Birmingham, USA
James D. St. Louis, Augusta, USA
Darshan Reddy, Durban, South Africa
Nestor F. Sandoval, Bogota, Colombia
Kisaburo Sakamoto, Shizuoka, Japan
George E. Sarris, Athens, Greece
James S. Tweddell, Cincinnati, USA
Susan Vosloo, Cape Town, South Africa



SCIENTIFIC PROGRAM COMMITTEE

CO-CHAIRS :

Drissi Boumzebra, Marrakesh, Morocco
James D. St. Louis, Augusta, USA
Christo I. Tchervenkov, Montreal, Canada

Hafil Abdulgani, Jakarta, Indonesia
Ahmed Afifi, Aswan, Egypt
Zohair Al-Halees, Riyadh, Saudi Arabia
Osman Al-Radi, Jeddah, Saudi Arabia
Erle H. Austin, Louisville, USA
Carl L. Backer, Lexington, USA
Pedro A. Becker, Santiago, Chile
Abdelmalek Bouzid, Algiers, Algeria
Jorge Cervantes, Mexico City, Mexico
Said Chraibi, Casablanca, Morocco
Sertac M. Cicek, Istanbul, Turkey
Abdenasser Drighil, Casablanca, Morocco
Frank Edwin, Accra, Ghana
Adel Elgamal, Mansoura, Egypt
Mustapha El Hattouai, Marrakesh, Morocco
Nadia El Idrissi Slitine, Marrakesh, Morocco
Kow Entsua-Mensah, Accra, Ghana
Anietimfon U. Etiuma, Calabar, Nigeria
Kirsten Finucane, Auckland, New Zealand
Jose Fragata, Lisbon, Portugal
Beatriz Furlanetto, Sao Paulo, Brazil
Habib Gamra, Monastir, Tunisia
Morten Helvind, Copenhagen, Denmark
Claudia Herbst, Vienna, Austria
Jürgen Hörer, Munich, Germany
Vladimir Ilyin, Moscow, Russia
Krishna S. Iyer, New Delhi, India
Jeffrey P. Jacobs, Gainesville, USA
Marshall L. Jacobs, Philadelphia, USA
Mohamed Jamili, Marrakesh, Morocco
Marcelo Jatene, Sao Paulo, Brazil
Richard A. Jonas, Washington, D.C., USA
Ignacio Juaneda, Cordoba, Argentina
Andrzej Kansy, Warsaw, Poland
James K. Kirklin, Birmingham, USA
Gaurav Kumar, New Delhi, India
Hiromi Kurosawa, Tokyo, Japan



SCIENTIFIC PROGRAM COMMITTEE

Stojan Lazarov, Sofia, Bulgaria
Attilio Lotto, Liverpool, UK
Ignacio Lugones, Buenos Aires, Argentina
Mohamed Madani, Tangiers, Morocco
Hendrick Mamorare, Johannesburg, South Africa
Valdano Manuel, Luanda, Angola
Michael Mitchell, Milwaukee, USA
Hani Najm, Cleveland, USA
Ivan Nino de Guzman, Lima, Peru
Michael Oketch, Kampala, Uganda
Yishay Orr, Sydney, Australia
David M. Overman, Minneapolis, USA
Alexis Palacios-Macedo, Mexico City, Mexico
Ericka Perez Albrecht, La Paz, Bolivia
Darshan Reddy, Durban, South Africa
James D. St. Louis, Augusta, USA
Kisaburo Sakamoto, Shizuoka, Japan
Piya Samankiat, Bangkok, Thailand
Nestor F. Sandoval, Bogota, Colombia
George E. Sarris, Athens, Greece
Rajesh Sharma, New Delhi, India
Mohammad Shihata, Jeddah, Saudi Arabia
Sivakumar Sivalingam, Kuala Lumpur, Malaysia
Giovanni Stellan, Padova, Italy
Sachin Talwar, New Delhi, India
Mohamed Touati, Algiers, Algeria
James S. Tweddell, Cincinnati, USA
Juan Velez, Cali, Colombia
Vladimiro Vida, Padova, Italy
Susan Vosloo, Cape Town, South Africa
David Winlaw, Cincinnati, USA
Hao Zhang, Shanghai, China
Liesl Zuhlke, Cape Town, South Africa



WEDNESDAY JUNE 15, 2022

2 Pre-Meeting Workshops (Simultaneous)

1. Rheumatic Aortic & Mitral Valve Disease

PROGRAM

8:00	Echocardiography of Rheumatic Mitral Valve Disease The Making of a Surgical Valve Repair Plan Craig Sable, Washington, USA Nadia El Idrissi Slitine, Marrakesh, Morocco
8:30	Discussion
8:45	Rheumatic Mitral Valve Repair : Surgical Techniques. Sachin Talwar, New Delhi, India
9:15	Discussion
BREAK	9:30 – 10:00
10:00 – 12:00	Hands-on Animal Model Hani Najm, Cleveland, USA Sachin Talwar, New Delhi, India Amellal Mina, Rabat, Morocco. Darshan Reddy, Durban, South Africa. Khaled Boye, Nouakchott, Mauritania
LUNCH	12:00 – 13:00
13:00	Echocardiography of Rheumatic Aortic Valve Disease The Making of a Surgical Valve Repair Plan Craig Sable, Washington, USA Nadia El Idrissi Slitine, Marrakesh, Morocco
13:30	Discussion
13:45	Rheumatic Aortic Valve Repair : Surgical Techniques with Focus on the Ozaki Procedure. Hani Najm, Cleveland, USA
14:15	Discussion
14:30 – 16:30	Hands-on Animal Model Hani Najm, Cleveland, USA Sachin Talwar, New Delhi, India Amellal Mina, Rabat, Morocco. Darshan Reddy, Durban, South Africa Khaled Boye, Nouakchott, Mauritania



2. Tetralogy of Fallot

PROGRAM

8:00	Benefits and Limits of Echocardiography in Tetralogy of Fallot Justin Tretter, Cleveland, USA
8:20	Advanced Imaging (CT, MRI) in Tetralogy of Fallot Btissam Zouita, Marrakesh, Morocco
8:40	Hands on TTE (Simple cases) Justin Tretter, Cleveland, USA Mohamed El Jamili, Marrakesh, Morocco Abdenasser Drighil, Casablanca, Morocco Saloua El Karimi, Marrakesh, Morocco
BREAK	9:30 – 10:00
10:00	Hands on TTE (Complex cases) Justin Tretter, Cleveland, USA Mohamed El Jamili, Marrakesh, Morocco Abdenasser Drighil, Casablanca, Morocco Saloua El Karimi, Marrakesh, Morocco
LUNCH	12:00 – 13:00
13:00 – 13:30	Pearls and Pitfalls in the Surgical Repair of Tetralogy of Fallot Jose Fragata, Lisbon, Portugal
13:30 – 16:30	Hands on 3D Printing Model Jose Fragata, Lisbon, Portugal George E. Sarris, Athens, Greece James D. St Louis, Augusta, USA Miloud Belhaj, Casablanca, Morocco Younes Chikhaoui, Rabat, Morocco Mouhcine Abidallah, Casablanca, Morocco Abderaouf Essaidi, Jeddah, Saudi Arabia
BREAK	16:30
18:00 – 21:00	Governing Council Meeting (By invitation only)



POSTGRADUATE COURSE

SYMPOSIUM ON TETRALOGY OF FALLOT: FOCUS ON LATE PRESENTATION

THURSDAY, JUNE 16, 2022 – 8:00 TO 16:00

Session 1 8:00 – 10:00 (TOF 1)

Presentation and Diagnosis of Tetralogy of Fallot

CHAIRS :

Drissi Boumzebra, Marrakesh, Morocco
Frank Edwin, Accra, Ghana
James D. St. Louis, Augusta, USA

8:00	Welcome from Local Host & Chairman, Program Committee Drissi Boumzebra, Marrakesh, Morocco
8:05	Welcome from World Society President Zohair Al-Halees, Riyadh, Saudi Arabia
8:10	Welcome from African Society President Frank Edwin, Accra, Ghana
8:15	Welcome from Executive Director Christo I. Tchervenkov, Montreal, Canada
8:20	Echo and Advanced Imaging for TOF Craig Sable, Washington, DC, USA
8:40	Effects of High Altitude on TOF Physiology and Late Presentation Alexis Palacios-Macedo, Mexico City, Mexico
9:00	Late Presentation of TOF: Chronic Cyanosis and Right Ventricular Hypertrophy Michael Oketch, Kampala, Uganda
9:20	Practice Patterns for the Management of TOF in Developing Countries Adel Elgamal, Mansoura, Egypt
9:40	Long-term Follow-up and Management of Pulmonary Insufficiency Gaurav Kumar, New Delhi, India
BREAK	10:00 – 10:30



Session 2 10:30 – 12:30 (TOF 2)

Management Strategies for Patients with TOF

CHAIRS :

Abdelmalek Bouzid, Algiers, Algeria
Nadia El Idrissi Slitine, Marrakesh, Morocco
Vladimiro Vida, Padova, Italy

10:30	Management and Technical Challenges for Neonatal/ Early TOF Repair Mark Bleiweis, Gainesville, USA
10:50	Management and Technical Challenges for Infant TOF Repair George E. Sarris, Athens, Greece
11:10	TOF with Absent PV Including Severe Airway Obstruction Jeffrey P. Jacobs, Gainesville, USA
11:30	Post Repair TOF and Pulmonary Valve Placement Susan Vosloo, Cape Town, South Africa
11:50 – 12:30	7th Stella & Richard Van Praagh Lecture Speaker : Diane Spicer, Gainesville, USA Title : Anatomy of Tetralogy of Fallot Introduced by : Jeffrey P. Jacobs, Gainesville, USA
12:30 – 12:40	Growing-up with Tetralogy of Fallot : A Personal Testimony Chloe Searchinger, Washington, USA
LUNCH	12:40 – 14:00

Session 3 14:00 – 16:00 (ORAL 1)

(8 Oral Abstracts)

CHAIRS :

Carl L. Backer, Lexington, USA
Sertac Cicek, Istanbul, Turkey
Mohamed Madani, Tangiers, Morocco

14:00	<div> <div>Oral 1</div> <div>Abstract 20</div> </div> Tetralogy of Fallot with Pulmonary Stenosis : Early and Late Results of Multidisciplinary Treatment Over 30 Years Pedro Becker; Rafael Selman; José Manuel Lyon; Rodrigo González; Francisco Garay; Luis Garrido; Santiago Besa; Oslando Padilla; Gonzalo Urcelay Universidad Catolica De Chile, Santiago, CHILE
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14:15	<p>Oral 2 Abstract 75</p> <p>Total Correction of Tetralogy of Fallot in Adult Patients : A Single Centre Experience</p> <p>Mohd Radzif AR; Abdul-Aziz KA; Chee Chin H; Sivalingam S National Heart Institute, Kuala Lumpur, MALAYSIA</p>
14:30	<p>Oral 3 Abstract 50</p> <p>Major Post-Operative Complications and Mortality in Pediatric Cardiac Surgery. Surgeon Specific, Patient Specific or Healthcare System Attributable?</p> <p>Marcelo Cardarelli MD,MPH; Mechelle Fleischer PA; Kathryn Jolda PA; William Novick MD; Inova Children Hospital; Department of Surgery, University of Tennessee Health Science Center–Global Surgery Institute, Memphis, Tennessee, USA</p>
14:45	<p>Oral 4 Abstract 103</p> <p>Outcomes After TOF Repair in 556 Consecutive Patients Operated in a Single institution in a Middle income Country</p> <p>Néstor Sandoval, Ivonne Pineda, Pablo Sandoval, Albert Guerrero, Carlos Obando, Jaime Camacho, Carlos Villa, Juan Pablo Umaña, Martha Reyes, Tomas Chalela Fundación Cardioinfantil, Bogotá, COLOMBIA</p>
15:00	<p>Oral 5 Abstract 91</p> <p>Results of Urgent Interventions in Patients with Tetralogy of Fallot within the First Three Months of Age</p> <p>Amr Ashry 1,2; Arul Narayanan 3; Ramesh Kutty 1; Ramana Dhannapuneni 1; Rafael Guerrero 1; Attilio A. Lotto 1,4 1. Department of Paediatric Cardiac Surgery, Alder Hey Children's Hospital, Liverpool, UNITED KINGDOM; 2. Department of Cardiothoracic Surgery, Assiut University Hospital, Faculty of Medicine, Assiut University, Assiut, EGYPT; 3. Department of Paediatric Cardiology, Alder Hey Children's Hospital Liverpool, UNITED KINGDOM; 4. Faculty of Health, Liverpool John Moores University, Liverpool, UNITED KINGDOM</p>
15:15	<p>Oral 6 Abstract 65</p> <p>Long-Term Outcomes of Patients with Transposition of Great Arteries Undergoing Balloon Atrial Septostomy in Countries with Limited Resources: Are We Helping?</p> <p>Sulafa Ali; Amna Gasim Sudan Heart Center, Khartoum, SUDAN</p>



15:30	Oral 7 Abstract 83 10-year Experience of Right Ventricular Infundibulum Sparing Surgery Yuriy Kulyabin; Alexey Zubritskiy; Nataliya Nichay; Ilya Soynov; Alexander Bogachev-Prokophiev; Alexey Arkhipov E.Meshalkin National medical research center, Moscow, RUSSIA
15:45	Oral 8 Abstract 89 Outcome of Total Correction of Isolated Total Anomalous Pulmonary Venous Return: A Retrospective Study Shivang Saxena; Sabarinath Menon sctimst trivandrum;sctimst trivandrum Ahmedabad, INDIA
16:30 – 18:00	Walking Poster Session
17:00 – 19:00	Editorial Board Meeting World Journal for Pediatric and Congenital Heart Surgery (Board Members Only)
19:30	Welcome Reception & Opening Ceremonies

POSTGRADUATE COURSE

SYMPOSIUM ON TETRALOGY OF FALLOT: Focus on Late Presentation

FRIDAY, JUNE 17, 2022 – 8:00 TO 18:00

Session 4 8:00 – 10:00 (TOF 3)

Operative and Post-operative Considerations for Repair of TOF

CHAIRS :

Erle Austin, Louisville, USA
Valdano Manuel, Luanda, Angola
Younous Said, Marrakesh, Morocco
Abdelhamid Moustaghfir, Casablanca, Morocco

8:00	Repair of Tetralogy of Fallot in Africa: Keeping it Simple Darshan Reddy, Durban, South Africa
8:20	Surgical Shunt Versus Percutaneous Intervention (PDA/RVOT stent) Sivakumar Sivalingam, Kuala Lumpur, Malaysia



8:40	Repair of TOF Following Palliative Procedures Ignacio Juaneda, Cordoba, Argentina
9:00	Conduit and Valve Choices for Pulmonary Valve Placement Beatriz Furlanetto, Sao Paulo, Brazil
9:20	Detrimental Effects of Cardiopulmonary Bypass During the TOF Repair David Winlaw, Cincinnati, USA
9:40	Management of Early and Late Arrhythmias Following TOF Repair Mitchell Cohen, Fairfax, USA
BREAK	10:00 – 10:30

Session 5 10:30 – 12:30

CHAIRS :

Darshan Reddy, Durban, South Africa
James K. Kirklin, Birmingham, USA
James D. St. Louis, Augusta, USA

10:30 – 11:15	World Database for Pediatric and Congenital Heart Surgery : 5-Year Report
11:15 – 11:25	Introduction of African Society President by Darshan Reddy, Durban, South Africa
11:25 – 11:55	Presidential Address Frank Edwin, Accra, Ghana
11:55 – 12:30	4th Adib D. Jatene Lecture on Surgical Innovation Speaker : Mohammad Alfagih, Riyadh, Saudi Arabia Title : Congenital Cardiac Surgery, Game of the Rich: Can we Make it Affordable? Introduced by Zohair Al-Halees, Riyadh, Saudi Arabia
LUNCH	12:30 – 14:00
12:45 – 13:45	5th Symposium of the World Database for Pediatric and Congenital Heart Surgery : Focus on Africa
CHAIRS :	James D. St. Louis, Augusta, USA Darshan Reddy, Durban, South Africa Imed Frikha, Sfax, Tunisia



5th symposium of the World Database for Pediatric and Congenital Heart Surgery : Focus on Africa

CHAIRS :

James D. St. Louis, Augusta, USA
Darshan Reddy, Durban, South Africa
Imed Frikha, Sfax, Tunisia

12:45 – 12:50	Vision of Session Darshan Reddy, Durban, South Africa
12:50 – 13:00	Lessons Learned concerning Public Awareness from the STS : Congenital Heart Surgery Database Jeffery P. Jacobs, Gainesville, USA
13:00 – 13:10	Impact of the ECHSA Database on the Clinical Practice of Congenital Heart Surgery George Sarris, Athens, Greece
13:10 – 13:20	Benefit of Involvement in an International Pediatric Congenital Heart Surgery Database Susan Vosloo, Cape Town, South Africa
13:20 – 13:30	How the WSPCHS can assist with structuring a platform for data acquisition across the African Continent? James St. Louis, Augusta, USA
13:30 – 13:45	Open Discussion



SYMPOSIUM ON RHEUMATIC HEART DISEASE: FOCUS ON THE MITRAL VALVE

Session 6 14:00 – 16:00 (RHD 1)

CHAIRS :

Mohamed Touati, Algiers, Algeria
Wajih Maazouzi, Rabat, Morocco
Jose Fragata, Lisbon, Portugal

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| 14:00 | Rheumatic Heart Disease : African and Global Challenges in the Current Era
Liesl Zuhlke, Cape Town, South Africa |
| 14:20 | Impact of Screening Echocardiography on Rheumatic Heart Disease Outcome
Craig Sable, Washington, DC, USA |
| 14:40 | Rheumatic Heart Disease : Does Secondary Prophylaxis Delay Valve Surgery?
Abdulrazaq S. Al-Jazairi, PhD, Riyadh, Saudi Arabia |
| 15:00 | Echocardiography of the Rheumatic Mitral Valve in Children.
Mohamed Jamili, Marrakesh, Morocco |
| 15:20 | The Functional and Dysfunctional Anatomy of the Mitral Valve
Ibrahim Delia, Zaria, Nigeria |
| 15:40 | Panel Discussion |

BREAK 16:00 – 16:30

Session 7 16:30 – 18:00 (ORAL 2)

(6 Oral Abstracts)

CHAIRS :

Said Chraibi, Casablanca, Morocco
Mohammad Shihata, Jeddah, Saudi Arabia
Jorge Cervantes, Mexico City, Mexico
Youssef Ettoumi, Casablanca, Morocco

16:30	Oral 9 Abstract 19 Continuous Subzero-Balance Ultrafiltration Extracts Twenty-Two inflammatory Mediators During Pediatric Cardiac Surgery with Cardiopulmonary Bypass
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Joel Bierer MD; Roger Stanzel PhD CPC; Mark Henderson CPC;
Suvro Sett MD; John Sapp MD; Pantelis Andreou PhD;
Jean S. Marshall PhD; David Horne MD
Dalhousie University, Halifax, CANADA

16:45	Oral 10 Abstract 14 Surgical Correction of Tetralogy of Fallot Post Right Ventricular Outflow Tract Stenting: Initial Multicenter Experience in Argentina
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Ignacio Juaneda; Alejandro Peirone; Rodrigo Molinas; Juan Díaz;
Irma Azar; Hospital Privado Universitario de Cordoba, ARGENTINA;
Hospital de Niños de Cordoba, ARGENTINA



17:00	<p>Oral 11 Abstract 74</p> <p>Quality of Life in Children and Young Adults with Repaired Congenital Heart Disease: Mixed-Methods Approach</p> <p>Chloe Searchinger; Hilda Tumwebaze; Haddy Nalubwama; Craig Sable; Peter Lwabi Children's National Hospital; Uganda Heart Institute, Kampala, UGANDA</p>
17:15	<p>Oral 12 Abstract 33</p> <p>Preliminary Experience with Surgical Delamination of the Fused Cuspal Apparatus of the Pulmonary Valve Aimed at Preserving the Valve and Annulus During Repair of Tetralogy of Fallot (TOF)</p> <p>Anil Dharmapuram; Nagarajan Ramadoss; Gouthami Vejendla; Sudeep Verma; Nalluri Rhazane Krishna Institute of Medical Sciences, Hyderabad, INDIA</p>
17:30	<p>Oral 13 Abstract 39</p> <p>Impact of Major Aorto-Pulmonal Collaterals On Outcomes after Repair of Pulmonary Atresia and Ventricular Septal Defect</p> <p>L. Wicklein 1; C Wolf 2; PP Heinisch 1; P. Ewert 2; J. Hörer 1,3; J. Cleuziou 1,3,4; M. von Stumm 1,3,4 1 Department of Congenital and Paediatric Heart Surgery, German Heart Center Munich, Technical University of Munich, School of Medicine , Munich, GERMANY; 2 Department of Cardiovascular Surgery, German Heart Center Munich, Technical University of Munich, School of Medicine, Munich, GERMANY; 3 Division of Congenital and Paediatric Heart Surgery, University Hospital of Munich, Ludwig-Maximilians-Universität, Munich, GERMANY; 4 Institute for Translational Cardiac Surgery (INSURE), German Heart Center Munich, Technical University of Munich, School of Medicine, Munich, GERMANY</p>
17:45	<p>Oral 14 Abstract 96</p> <p>Challenges in the Management of Pulmonary Atresia with Intact Ventricular Septum</p> <p>Danielle Healey; Alyssia Venna; Priya Misra; Can Yerebakan; Murfad Peer; Pranava Sinha; Joshua Kanter; Craig Sable; Yves d'Udekem Children's National Hospital, Washington, DC, USA</p>
20:00 – 22:00 Gala Dinner	



SATURDAY, JUNE 18, 2022 – 8:00 TO 18:00

**SYMPOSIUM ON RHEUMATIC HEART DISEASE :
FOCUS ON THE MITRAL VALVE**

Session 8 08:00 – 10:00 (RHD 2)

CHAIRS :

Anietimfon U. Etiuma, Calabar, Nigeria
Mustapha El Hattoui, Marrakesh, Morocco
Osman Al-Radi, Jeddah, Saudi Arabia

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| 8:00 | The Implications of the Dysfunctional Anatomy of the Mitral Valve for Repair
Darshan Reddy, Durban, South Africa |
| 8:20 | Pediatric Mitral Valve Repair : How Durable is Repair Versus Replacement?
Sivakumar Sivalingam, Kuala Lumpur, Malaysia |
| 8:40 | Pediatric Mitral Valve Replacement
Sachin Talwar, New Delhi, India |
| 9:00 | Beating Heart Mitral Valve Surgery
Abdelmalek Bouzid, Algiers, Algeria |
| 9:20 | Mitral Valve Balloon Dilation
Habib Gamra, Monastir, Tunisia |
| 9:40 | Panel Discussion |

BREAK 10:00 – 10:30

Session 9 10:30 – 12:30

CHAIRS :

Marcelo Jatene, Sao Paulo, Brazil
Richard A. Jonas, Washington, USA
Christo I. Tchervenkov, Montreal, Canada

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| 10:30 – 11:15 | World University for Pediatric and Congenital Heart Surgery :
A Global Education Tool
Claudia Herbst, Vienna, Austria
James K. Kirklin, Birmingham, USA
Christo I. Tchervenkov, Montreal, Canada |
| 11:15 – 11:25 | Introduction of WS President
By Marcelo Jatene, Sao Paulo, Brazil |



11:25 – 11:55	Presidential Address Zohair Al-Halees, Riyadh, Saudi Arabia Title :
11:55 – 12:30	7th Aldo R. Castañeda Lecture Speaker : Giovanni Stellan, Padova, Italy Title : Introduced by Christo I. Tchervenkov

LUNCH 12:30 – 14:00

Session 10 14:00 – 16:00 Mixed Video/ Oral 3 Session

3 Videos, 3 Oral Abstracts)

CHAIRS : Abdounasr Drighil, Casablanca, Morocco
George E. Sarris, Athens, Greece
Hafil Abdulgani, Jakarta, Indonesia

14:00	Video 1 Video 34 Bicuspid Repair of Tetralogy of Fallot: How We Do It Dekel Hagi, Sasson Lior Wolfson Medical Center, Holon, ISRAEL
14:15	Video 2 Video 36 Tetralogy of Fallot Repair After Prior RVOT Stenting Perry S. Choi, James Lee, Mike R. Ma Stanford University, Lucile Packard Children's Hospital, Department of Cardiothoracic Surgery, Palo Alto, California, USA
14:30	Video 3 Video 72 Surgical Management of Tetralogy of Fallot With Absent Pulmonary Valve Alexey Zubritskiy, Yuriy Kulyabin, Nataliya Nichay E.Meshalkin National Medical Research center, Novosibirsk, RUSSIA
14:45	Oral 15 Poster 59 Clinical Outcomes of Tetralogy of Fallot Repaired in Adulthood: Experience From LMIC Maha Inam, Laila Ladak, Fatima Ali, Mahin Janjua, Mahim Malik Aga Khan University, Karachi, PAKISTAN



15:00	Oral 16 Poster 106 Analysis of Early and Late Outcomes of TAPVC Repairs Done Over Last 10 Years: A Retrospective Observational Study Murtaza M ; Devagourou V MCh AIIMS New Delhi India; AIIMS New Delhi, INDIA
15:15	Oral 17 Poster 40 Outcomes of Transannular Repair of Tetralogy of Fallot with Contegra Monocuspid Patch: A Single-Center Experience Aleksandra Wasiak; Radoslaw Jaworski; Mariusz Birbach; Michal Kozlowski; Malgorzata Mirkowicz-Malek; Joanna Friedman-Gruszczynska; Bohdan Maruszewski, Andrzej Kansy Department of Cardiothoracic Surgery, Children's Memorial Health Institute, Warsaw, POLAND
15:30 – 16:00	Farewell Remarks WSPCHS 7th Scientific Meeting ASPCHS Inaugural Meeting Drissi Boumzebra, Marrakech, Morocco Zohair Al-Halees, Riyadh, Saudi Arabia Frank Edwin, Accra, Ghana Invitation to the 8th WS Scientific Meeting at the 8th World Congress of PCCS, Washington, D.C., USA August 27 – September 1, 2023 Jeffrey P. Jacobs, Gainesville, USA
16:00 – 17:30	Annual Business Meeting (WSPCHS Members only)
CHAIRS : <div> <div></div> Zohair Al-Halees, Riyadh, Saudi Arabia Frank Edwin, Accra, Ghana Christo I. Tchervenkov, Montreal, Canada </div>	
19:00 – 21:30	Presidential/Faculty Dinner Reception (By invitation)



SUNDAY, JUNE 19, 2022 – 08:00 TO 11:00

Featured Symposium: How to Start a Congenital Heart Center in Resource Limited Settings

CHAIRS :

Frank Edwin, Accra, Ghana
David Overman, Minneapolis, USA
Nestor Sandoval, Bogota, Colombia
Jefferey P. Jacobs, Gainesville, Florida

8:00	Welcome and Introduction of Keynote Speaker A Global Education Tool Frank Edwin Accra, Ghana
8:05	Keynote Presentation: Essential Components of a Congenital Heart Surgery Center in Resource Limited Settings Carl L. Backer, Lexington, USA
8:30	Overcoming the Financial Hurdles of Providing Infrastructure, Manpower Training/Retention, and the Cost of Treatment Ahmed Afifi, Aswan, Egypt
8:45	Starting a Pediatric Cardiac Center in Durban, South Africa : Our 5-Year Journey (2017-Present) in Establishing a Congenital Heart Centre Unit from Ground Zero to Complex Neonatal Surgery Including ECLS and Cardiac Transplantation in South Africa – A Private-Public Partnership Model Darshan Reddy, Durban, South Africa
9:00	Collaboration for Training Between Indigenous Teams Drissi Boumzebra, Marrakesh, Morocco
9:15	Importance of Following Surgical Outcomes with a Validated Database : Tracking Outcomes of the Center and Comparing to National Aggregate Data is of Critical Importance for Gaining Community and Governmental Support James D. St. Louis, Augusta, USA
9:30	Top 10 Lessons Learned from Pediatric Cardiac Surgery in Jamaica - Collaboration amongst multiple NGO's Jeffrey P. Jacobs, Gainesville, USA
9:45	Developing Comprehensive Cardiac Teams in Low Resource Settings - Experience from Uganda Michael Oketch, Kampala, Uganda,
10:00	Setting-up of the Congenital Heart Surgery Program: The Nigerian Model Uvie Onakpoya, Ife, Nigeria



10:15 **Global Initiative for Children's Surgery**
Bistra Zheleva, Minneapolis, USA

10:30 **Panel Discussion**

ANNUAL ASPCHS BUSINESS MEETING

11:00 – 12:00 **Constitution Adoption**

CHAIRS :

Frank Edwin, Accra, Ghana
Susan Vosloo, Cape Town, South Africa
Christo I. Tchervenkov, Montreal, Canada

FOUR TYPES OF ENTRY VISAS TO MOROCCO

SHORT VALIDITY VISA

The short-term visa allows a foreigner to enter the territory of the Kingdom of Morocco for reasons other than immigration, for a short stay uninterrupted or several short stays in the case of multiple entries.

The duration of each stay is from one to ninety days.

LONG VALIDITY VISA

The visa of long validity, over three months, is a visa of multiple entries issued by the Moroccan diplomatic or consular services, after consultation with the Ministry for Foreign Affairs and International Co-operation.

The period of validity of this visa cannot exceed one year and the duration of each stay is from one to ninety days.

A foreigner, holder of a long-term visa and wishes to stay in Morocco for more than three months, should request a registration card from the competent services of the General Directorate of National Security.

TRANSIT VISA

The transit visa authorizes a foreigner, travelling to a third State, to cross the territory of Morocco. This visa may be issued for one or two transits with duration of stay of each transit not exceeding 72 hours.

VISA ISSUED AT THE BORDER

In some exceptional cases, the Security Services may issue short-stay and transit visas at the Border Posts.

For countries where Morocco is not represented, requests must be made to the diplomatic mission accredited in that country or to the Honorary Consuls. In the absence of these representations, requests will be addressed directly to the Moroccan Ministry of Foreign Affairs and International Cooperation, Directorate of Consular and Social Affairs – Rabat (visa@maec.gov.ma) for a visa to be issued at the airport. Please check <https://marrakesh2022.wspchs.org/index.php/visa/> for more information.



RATES FOR THE 7TH WSPCHS AND 1ST ASPCHS MEETING

EARLY REGISTRATION

Package	Accommodation Registration	Price
Meeting hotel: Kenzi Rose Garden 5 star	4 nights Registration (full package)	1148€
Hotel Al Andalouss 4 star (in front of the venue)	4 nights Registration (full package)	890 €
Special offer resident Hi income countries Hotel Al Andalouss 4 star (in front of the venue)	4 nights Registration	450 €
Registration (full package) without accommodation		400 €

<https://marrakesh2022.wspchs.org/index.php/register-login/>



COVID 19 MEASURES

ENTRY AND BORDERS

The Moroccan Government has announced the reopening of borders for commercial flights into and out of Morocco from the 7th of February.

WHAT ARE THE STEPS TO BE TAKEN BY TRAVELERS TO COME TO MOROCCO?

Passengers travelling to Morocco must present a vaccination pass **OR** negative PCR test result less than 72 hours old before boarding the plane.

It should be noted that all vaccine passes issued by other countries are accepted as long as they are valid in their country of emission.

Before boarding, passengers must present a health form, duly completed including the passengers address and two telephone numbers to locate them during their stay.

Upon arrival at airports, they will be screened by rapid tests. Random PCR tests will also be conducted for several groups of travelers and results will be communicated at a later date.

If the tests are positive, other preventive measures will be implemented.

WHAT MEASURES ARE IMPLEMENTED IN CASE OF POSITIVE CASES?

There are two types of positive cases: normal cases and difficult and critical cases. The people who are positive after their arrival with normal diagnosis will have to observe a sanitary confinement in their place of residence with a careful follow-up. As for difficult cases, they will be taken care of in hospitals, public or private, according to the national protocol in application.

WHAT ARE THE ENTRY REQUIREMENTS TO MOROCCO FOR CHILDREN?

There are no entry requirements for children under 12 years.

WHAT ARE THE SANITARY MEASURES TO BE RESPECTED?

As part of the fight against the spread of Covid-19 pandemic, Morocco ensures the application of health measures recommended by the World Health Organization (WHO) for safety and health of everyone.

For your safety and the safety of others during your stay in Morocco, it is necessary to:

- Wash your hands regularly for 20 seconds with soap or a hydro-alcoholic solution.
- Cough or sneeze into your elbow or into a single-use handkerchief and dispose of it in a garbage can.
- Maintain a distance of 1.5m with your interlocutor.
- Avoid hand gestures, hugs and kisses and make sure the mask is worn properly.
- Take all precautions when going out.

<https://www.visitmorocco.com/en/travel-info/covid-19-travel-safely-to-morocco>



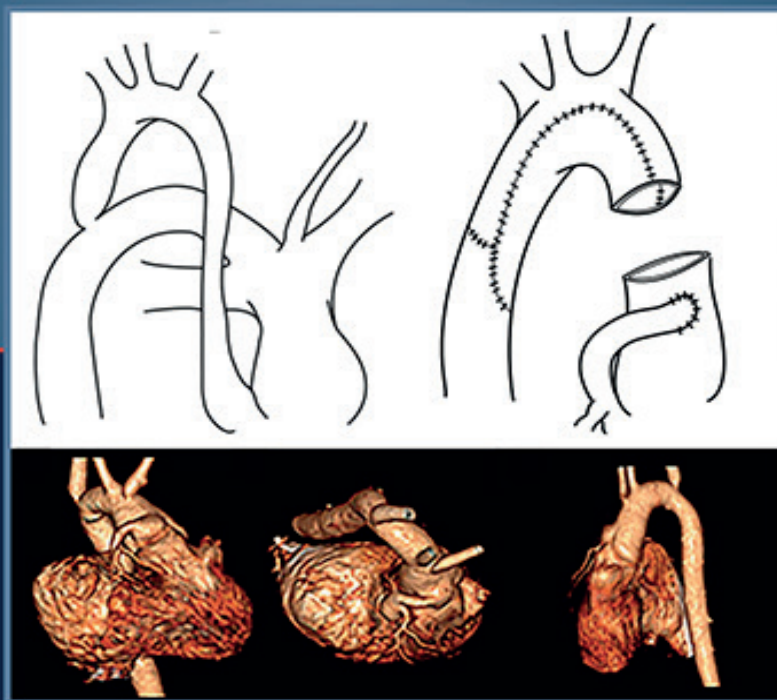
The World Journal for Pediatric and Congenital Heart Surgery is official journal of the 7th Scientific meeting of the WSPCHS, and the 1st Annual Meeting of the African Society for Pediatric and Congenital Heart Surgery, and of the European Congenital Heart Surgery Association (ECHSA) and the Congenital Heart Surgery Society (CHSS)

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Welcome



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📍 Kenzi Rose Garden Farah, Marrakesh - Morocco