

General Information

Purpose

This meeting will serve as a unique forum to explore many aspects of the etiopathogenesis of idiopathic and syndromic clubfoot, which represents the most common musculoskeletal birth defect and a leading cause of childhood disability in the developing world. In addition, a rigorous evaluation of treatment outcomes for both non-invasive and surgical procedures will be addressed. Finally, there will be discussions on public health issues with the main goal of developing programs to prevent and eradicate neglected clubfoot.

Objectives

Upon completion of this program, the participant should be able to:

- Distinguish between clubfoot and other congenital foot birth defects
- Describe the epidemiology and etiopathogenesis of congenital idiopathic clubfoot.
- Review current understanding of muscle development.
- Review the evidence-based support for the treatment of clubfoot.
- Describe the treatment protocol for complex clubfoot cases and relapses.
- Explain new IT technologies to create a Global Health Campus.
- Discuss strategies to develop national programs to eradicate neglected clubfoot.

Program Content

Determination of educational content for this program and the selection of speakers are responsibilities of the program director.

Financial Support

Ponseti International Association, U.S. Agency for International Development (USAID), Leadership, Management, and Governance Project (LMG), University of Iowa Foundation, Clubfoot Solutions, Inc., and anonymous donors.

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Poster Session

- P-01 Accelerated Application of Ponseti Method in Venezuela Diaz et al
P-02 Achilles Tendon Regeneration after Ponseti's tenotomy for Idiopathic Clubfoot – The Ultrasonographic Evidence Nehru et al
P-03 Bleeding complication (Pseudoaneurysm) following percutaneous Tendo achilles tenotomy in the treatment of club foot deformity(CTEV) Prasad
P-04 Borderline cases of surgically treated clubfoot relapses treated using the Ponseti method – 8 years follow up Helmers
P-05 Case Report from Argentina Sanchez; & Paz
P-06 Cast choice & procurement in Ponseti based clubfoot programmes in the less developed world; the potential for considerable cost savings Penny; et al
P-07 Checklist for Serial Manipulation and Casting Prior to Tenotomy Ryan Calaur
P-08 Clinical Exam of the Hip is Sufficient to screen DDH in children with Clubfoot Cristina Alves
P-09 Clinical Trials of A.O.R. I. Foot Abduction Brace & Comparison with Dennis Brown Splint in Clubfoot Patients Zeshan Zahid
P-10 Clubfoot associated with tibial and fibular hemimelia O. Eberhardt; Langendorfer M; F.F. Fernandez; T. Wirth
P-11 Clubfoot literature: a trend towards Ponseti method treatment- last 15 years Monica Paschoal Nogueira; Paulo Schiavom Duarte; Mark Fox; Oscalina Marcia Pereira; Fernando Farcetta; Andressa Santos
P-12 Complex Congenital Clubfoot Deformity: Preventing Cast Slippage with a Trans -Metatarsal Pin Mark R. Sinclair; Allison A. Lind
P-13 Cost effective clubfoot braces for low-income countries: Defining the need Michiel Steenbeek
P-14 Cost-Effectiveness Analysis of the Ponseti Method compared to the Postero-Medial Release for the Treatment of Clubfoot Armando Torres-Gomez; Nelson Cassis; Jacobo Saleme; Carlos Fernando; Mauricio Di Silvio; Rios
P-15 Demographical and Clinical Characteristics of Pes Equinovarus (PEV) Cases Applying to the Istanbul Baltalimani Bone Diseases Training and Research Hospital and to Private Office Devrim Tarakci; Ela Tarakci; Timur Yildirim; Aysegül Bursalı
P-16 Early results of achieving correction in Atypical clubfoot Mathew Varghese; Paresh Bang
P-17 Early Results of the Treatment of neglected idiopathic clubfoot in 30 year old woman by the Ponseti method, a case report Mario Francisco Sequeira Somoza
P-18 Efficacy of Percutaneous Achilles Tenotomy vs. Combined Posterior Capsulotomy and Open Achilles Tenotomy in the Correction of Equinus Deformity in Congenital Talipes Equinovarus Nariman Abol Oyou; Emmanouil Grigoriou; In dranil Kushare; David Horn; Richard Davidson
P-19 Efficiency of Physiotherapy in Cases of Pes Equinovarus (PEV): A Case Series Devrim Tarakci; Ela Tarakci; Timur Yildirim; Aysegül Bursalı
P-20 Engaging community health workers to address demand side barriers related to clubfoot care in Bangladesh Touhidul Islam; Tapash Roy; Shafique Pirani; Hamidul Haque Khandker; MD Jahangir Alam; DM Emdadul Hoque; Khandokar Abdul Awal
P-21 Evaluation of CTEV Treatment in Ponseti Clinic of Dr. Soetomo Hospital Surabaya Tri Wahyu Martanto; Sullis Bayo Sentono
P-22 The "Feet First" operation in neglected clubfoot; minimally invasive, joint sparing corrective surgery in the era of Ponseti J. Penny; J. Shelton; S. Dornan; S.Mannion; CBM and Feet First Worldwide
P-23 Foot Pressure in Clubfoot Treated with Ponseti Technique H.S. Elbana; J. Maclean; D. Campbell; G.P. Arnold; W. Wang; R.J. Abboud
P-24 French Functional Method in the treatment of Clubfoot 20 years of experience: advantages and limits R. Elbaum; B. Noel; V. Degueldre
P-25 The Functional Outcome of Not Performed Achilles Tenotomy for Required Achilles Tenotomy Procedure in Ponseti Technique for Clubfoot Correction Yoyos Dias Ismiarto; Renaldi Prasetya
P-26 Anterior Tibialis Activity in Recurrent Clubfoot: Considerations In Stance Phase Supination Deformity Kristan Pierz; Sylvia Öunpuu; Matthew Solomito; Jessica Woods
P-27 History and Epidemiology of Clubfoot in Peru – South America Segura P. Julio; Salas Alejandro; Barriga Hersey
P-28 Implementation and Organization of an Efficient Ponseti Clubfoot Clinic Patricia Moreno Grangeiro; Laura Fernanda Alves Ferreira
P-29 Incidence of Clubfoot in University Hospital of Sao Paulo University—Brazil Laura Fernanda Alves Ferreira; Luciana Miyahira
P-30 Influence of different criteria on severity of clubfoot: A retrospective multicenter study M. Bricoteau; B. Noel; P.L. Docquier; R. Elbaum
P-31 Integration of Bone Ninja Application into the Clinical Evaluation of Clubfoot Salih Marangoz; Can Emre Bas; Sevilay Karahan
P-32 Interregional collaboration in Tanzania in order to build capacity and ensure that all Tanzanian children have access to Ponseti treatment Isidor Henry Ngayomela; Trine Boe Heim
P-33 Limb Edema as a Complication of the Ponseti Method Rafael Lopez-Lobato; Francisco Javier Downey-Carmona; David Farrington
P-34 Limitations of the reversed Ponseti technique for the treatment of congenital vertical talus O. Eberhardt; F.F. Fernandez; T. Wirth
P-35 Outcomes evaluation of treatment neurologic-teratologic clubfoot by using Ponseti method in Mexico Sosa et al
P-36 Locally manufactured Steenbeck Foot Abduction Braces Jana Shih

- P-37 Nail alterations and Clubfoot: associated anomalies or caused by treatment? Tie Sakamoto; Monica Nogueira
P-38 A New Way of Treatment of Idiopathic Congenital Vertical Talus Sebastián Fedriani Roger; Lucía Molina; Claudio Fernández
P-39 Nicaragua Ponseti Program 2001-2014 Mario Francisco Sequeira Somoza
P-40 Optimization of Clubfooted Walking with a Dynamic Foot Abduction Brace Michael Browne; Andrew J. DiMeo Sr.; Greg Sawicki
P-41 Parental consanguinity and associated factors in congenital talipes equinovarus N. Deen Muhammad Ismail
P-42 The pathway for the future: prenatal diagnosis and counseling importance Ioan Sarbu; Demetra Socolov; Gabriel Aprodu; Alexandru Thiery; Carmen Iulia Straticiu-Ciongradi
P-43 Perception about braces in parents of children with clubfoot Syed Kamran Ahmed; Omema Hassan; Sundus Iftikhar; Mansoor Ali Khan; Jose Morcuende; Pehla Qadam Working Group
P-44 Photographic assessment of clubfoot during the bracing phase of Ponseti treatment Lubna Samad; Zara Ansari; Mohammad Amin Chinoy; Mansoor Ali Khan
P-45 PIA CHILE - What are we in and where are we going Ximena Agurto; Macarena Morovic; Daniel Fodor; Sebastián Oyarzun
P-46 PIA LATINOAMERICA – A map of the reality Dalia Sepúlveda; Mónica Nogueira; Macarena Morovic; Daniel Fodor; Sebastián Oyarzun
P-47 The Ponseti treatment - challenges when applied to a relapsed multiple surgically treated clubfoot Ioan Sarbu; Rani Alagha; Stefana Carp; Oana Trifan; Alexandru Thiery
P-48 Ponseti Clubfoot Management Pakistan Zeshan Zahid
P-49 Ponseti for Parents® - A positive message for a positive outcome Karen Moss
P-50 Possible Causes of the Adduction Component Relapses in Clubfoot Deformity Silvana Filippi; Paula Diez
P-51 Recurrences in Idiopathic Clubfoot, Analysis on our series Paloma Cervera; Ana Martinez; Javier Narbona; José- Luis González López
P-52 Relationship of Consanguinity, Ethnicity & Addiction with Prevalence of Clubfoot in Pakistan Anisuddin Bhatti; Sanjay Kumar; Javed Ahmed; Pervez Ali; Mohammad Yousuf Bhatti; Faizan Ali
P-53 Risk Factors of Late Initial Treatment of CTEV in Paediatric Orthopaedic Clinic at Hansen Sadikin General Hospital Bandung Indonesia YD Ismiarto; ED Damayanthi; D Zulkarnain
P-54 Special features of Ponseti - therapy of neglected clubfeet in Tanzania Brückner U.; Reeg A.; Schulte M.; Schnuck B.
P-55 Sports participation amongst children treated with the Ponseti method for Idiopathic Congenital Talipes Equinovarus Morrissey D; Ó Mir M.; Moore D; Kiely P; Noel J; Kelly, P.
P-56 STEPS to Sustainability: 10 years of Ponseti in Southern Africa Karen Moss
P-57 Successful use of the Ponseti method in the treatment of a four year old child with clubfoot associated with osteogenesis imperfecta type I V.F. Blandinsky; M.A. Vavilov; M.A. Baushev
P-58 The surgical treatment of recurrent congenital talipes equinovarus following management by the ponseti method WANG Yan-zhou , LIU Zhen-xing , LI Tian-you.
P-59 Suitability of the Foot Posture Index (FPI) as an Outcome Measure in the OLCCH Ponseti Clinic Marie Ó Mir
P-60 Task Shifting: The role of Zimbabwean physiotherapists as primary Ponseti providers Ryan Bathurst
P-61 The Ponseti Method in Myelomeningocele patients Reciniello, Silvia; Lampropulos, Mario
P-62 The role of the prosthetist and orthotist/orthopedic technician in clubfoot management Jennifer Everhart
P-63 Treatment availability for children born with clubfoot: a global picture Rosalind Owen, Michiel Steenbeek
P-64 Treatment with the Ponseti method . Results and radiographic valuation F. Alberto Navarro; Liza Valdez; Jorge Osorio
P-65 Trends of parent and child satisfaction with Ponseti treatment outcomes over a 7 years period in a Uganda cohort Joseph Konde-Lule; E Naddumba; R Mathias; S Pirani
P-66 Triaging Ponseti care: A proposed model for coordinating and implementing clubfoot programs to maximize coverage and efficacy in the Arusha Region of Tanzania Trine Boe Heim; Jennifer Everhart
P-67 Ultrasound as a learning tool while training the Ponseti method. An instructional pictorial essay Y Aurell; A Johansson; B. Romanus
P-68 Ultrasound Controlled Achilles Tenotomy S. Salminen; S. Toivainen-Salo
P-69 Untreated Feet in Older Children Davi Haje; Gilberto Brandão; Guillermo Tierno; Milena Cruz; Solange Pinho; Leopoldina Milanez; Laura Ferreira; Jung Ho Kim; Ana Claudia Queiroz; Monica Paschoal Nogueira
P-70 The Use of the Ponseti Method in the Moebius Syndrome Sebastián Fedriani Roger; Lucía Molina; Claudio Fernández
P-71 Usefulness of a cloud-based collaboration service as an evaluation tool for the Ponseti Method Downey-Carmona; Casielles, R; Torres-Garrido, JA; Soloarivelo, F; Randriamampianina, I; Ramahenina, H
P-72 What determines the number of casts in CTEV: Pirani score versus the child's age Anil Agarwal

3rd Annual International Clubfoot Symposium

Celebrate the Past, Create a Pathway for the Future



June 1-4th, 2014

FIRA PALACE HOTEL & CONFERENCE CENTER

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Monday, June 2, 2014

08:15-08:30 WELCOME REMARKS

JOSE A. MORCUENDE, MD, PHD

PONSETI INTERNATIONAL ASSOCIATION

JEAN ROBILLARD, MD

VICE-PRESIDENT MEDICAL AFFAIRS, UNIVERSITY OF IOWA

ANNA EY, MD

HOSPITAL INFANTIL SAN JOAN DE DEU, BARCELONA

CLUBFOOT TREATMENT PATHWAY AND OUTCOMES

Moderators: Mansoor Khan, MD, Christof Radler, MD

8:30-8:50 *Invited Lecture: The Public Health Approach to Clubfoot Services: Symposium Overview, Thomas Cook*

8:50-8:58 Idiopathic clubfoot: Experience with the Ponseti method for fourteen years, Terrazas

8:58-9:06 Assessment of efficacy of the Ponseti method for CTEV, Khanna

9:06-9:14 A review of percutaneous Achilles tenotomy in the treatment of clubfoot, Eardley-Harris, et al.

9:14-9:22 The proven value of Achilles tenotomy in treating clubfeet using the Ponseti method, Oyouun

9:22-9:30 Outcome Evaluation of Clubfoot Relapses Treated by Variation to the Ponseti Method Transfer Technique, Ey, et al.

9:30-9:38 Anterior tibial tendon transfer according to the Ponseti method: a thirty year experience, Farsetti, et al.

9:38-9:46 Long-term results of tibialis anterior tendon transfer in relapsing idiopathic clubfoot: a 50 year follow-up, Holt, et al

9:46-10:00 Discussion

10:00-10:30 COFFEE BREAK

MONITORING AND EVALUATION

Moderators: Monica Nogueira, MD,

Amnuay Jirasirikul, MD

10:30-10:50 *Invited Lecture: International Clubfoot Registry (ICR): Overview and Update on Usage, Thomas Casavant, et al.*

10:50-11:00 Mobile application of the International Clubfoot Registry, Haider, et al.

11:00-11:08 Inter-observer reliability of Pirani scoring between Orthopedic surgeons and a plaster technician, Chinoy, et al.

11:08-11:16 Significance of Pirani score at bracing – Implications for recognizing a corrected clubfoot, Khan, Jawed

11:16-11:24 The PBS Score – A clinical tool for assessing deformity in ambulatory children for Ponseti treated clubfoot, Pirani, et al.

11:24-11:32 Results of Ponseti method in children with neglected clubfeet: Believe it or not, Kumar, et al.

11:32-11:40 Evaluation of the effectiveness of Ponseti's method in conservative management of neglected congenital talipes equino varus, Gopakumar

11:40-11:48 Ponseti Method in the management of neglected and relapsed clubfeet in children older than two years, Elbatrawy

11:48-11:56 14 Years Experience in the Ponseti Technique, Diaz, et al.

11:56-12:04 Development of the Ponseti program in Mexico, Arana, et al.

12:04-12:12 An overview of patient characteristics, care, and outcomes, Wall and Hyman

12:12-12:30 Discussion

12:30-1:30 LUNCH

TRAINING AND QUALITY ASSURANCE

Moderators: Erika Arana, MD, Nhi Huynh, MD

1:30-1:50 *Invited Lecture: Medical education in the Ponseti method: Lessons learned from the Brasil Program, Reinaldo Volpi et al.*

1:50-1:58 Results of Clubfoot Management Using the Ponseti Method: Do the Details Matter, Zhao Li, et al

1:58-2:06 Quality of treatment for clubfoot deformity: Implications for patient-centered care. Jayawardena, et al.

2:06-2:12 How and what do we measure for quality assurance? Practical experiences, Lavy, et al

2:12-2:20 Ponseti method training in Bangladesh: Developing quality assurance strategies,

2:20-2:28 Outcome of consultant versus resident-directed Ponseti treatment at JPMC in Pakistan, Bhatti, et al.

2:28-2:36 Outcome evaluation of treatment of complex clubfoot using the Ponseti method in Mexico, Hernandez, et al.

2:36-2:44 Ponseti re-casting for congenital clubfoot residual deformities after walking age, Vena, et al.

2:44-3:02 PIA Latin America: Web-conferencing to help build a regional network, Sepulveda, et al.

3:02-3:30 Discussion and Coffee Break

3:30-5:30 POSTER SESSION

Tuesday, June 3, 2014

PROGRAMMATIC APPROACHES TO CLUBFOOT SERVICES

Moderators: Anisuddin Bhatti, MD, Joseph Konde-Lule, MD

8:30-8:50 *Invited Lecture: "Scaling up Health Care Interventions" Joseph Dwyer*

8:50-8:58 Survey of performance of clubfoot clinics and orthopaedic officers in Uganda, Pirani, et al.

8:58-9:06 Romanian clubfoot program – where are we now, Cosma, et al.

9:06-9:14 A country program example: The Togo Clubfoot Program, Lavy, et al.

9:14-9:22 Programmatic management of clubfoot in Pakistan: Initial two-year experience, Samad, et al.

9:22-9:30 Small steps toward sustainability: The Vietnam national clubfoot program, Shih.

9:30-9:38 Congenital clubfoot: national integrated recruitment, classification, treatment and follow-up model: 5 years experience, Pagnota, et al.

9:38-9:46 Successes and challenges of a bottoms up approach to sustainable clubfoot treatment in low resource settings, Hyman et al.

9:46-9:54 Evaluation of treatment of idiopathic clubfoot by using Ponseti Method in México, Ascacio, et al.

9:54-10:02 Creating a national program for preventing disability from clubfoot, Varghese, et al.

10:02-10:15 Discussion

10:15-10:30 COFFEE BREAK

HEALTH CARE SYSTEMS: OVERCOMING BARRIERS AND CONSTRAINTS

Moderators: Olayinka Adegbehingbe, MD, Chris Lavy, MD

10:30-10:50 *Invited Lecture: "PIA Latin American Regional Program," Dalia Sepulveda*

10:50- 10:58 Barriers to treatment in Yucatan, Mexico, Rocha Geded, et al.

10:58-11:06 Demographic profile of children presenting to a clubfoot clinic in a tertiary care hospital of a developing country, Kumar

11:06-11:14 Problems and solutions in maintenance of clubfoot braces, Bhatti, et al.

11:14-11:22 Influence of barriers on the duration of Ponseti treatment for clubfoot, Sural

11:22-11:30 Using innovative approaches to decreasing stigma of clubfoot in Liberia, Chiewolo

11:30-11:38 Experiences with 100 cases of clubfoot in Madagascar, Soloarivelo, et al.

11:38-11:46 The Madagascar clubfoot project, Downey-Carmona et al

11:46-11:54 Perception, treatment availability and health-seeking behavior for clubfoot in Bangladesh, Billah, et al.

11:54-12:04 Step by Step: development and delivery of culturally tailored Ponseti messages, Lopez, et al.

12:04-12:30 Discussion

12:30-1:30 LUNCH

GUIDELINES AND BEST PRACTICES

Moderator: Shafique Pirani, MD, Jose Morcuende, MD

1:30-1:38 Guidelines for clubfoot treatment in the Netherlands, Besselaar et al

1:38-3:30 **Guidelines for Management of clubfoot for Nigeria, Pakistan & Peru**

- Background / Method – S. Pirani
- Diagnosis and Classification – S. Pirani
- Untreated-Not-Walking – J. Morcuende
- Untreated-Walking – O. Adegbehingbe
- Persistent – M. Nogueira
- Post-surgical – M. Khan
- Atypical/complex – J. Morcuende
- Syndromic/Myelodysplastic – M. Nogueira

Discussion and Consensus

3:30 - 4:00 COFFEE BREAK

AWARENESS AND ADVOCACY

Moderators: Martin Egbert, Anna Ey, MD

4:00-4:10 Assessment of parental distress in Clubfoot caregivers in South-western Nigeria, Esan, et al.

4:10-4:20 Impact of Children born with clubfoot in their families – a Brazilian report, Nogueira et al.

4:20-4:30 Hacettepe Ponseti Day, Marangoz

4:30-4:40 Clubfoot advocacy and parents Association in Brazil, Fernandes, et al.

4:40-4:50 Italian Network for Ponseti Treatment of Congenital Clubfoot, Scattolon, et al.

4:50-5:00 Parents for Ponseti: 10 Years of International Ponseti Method Training and Advocating Experience, Kavale

5:00-5:30 Discussion

7:30 PM 100th Birthday Celebration

Gala Dinner & Launch of World Clubfoot Day

Wednesday, June 4, 2014

CHANGING PRACTICES AND POLICY

Moderators: Zhao Li, MD, Nariman Abol Oyouun, MD

8:30-8:50 *Invited Lecture: "Can it Work? Does it Work? Is it Worth it?" Shafique Pirani*

8:50-8:58 Radical reduction of posteromedial release for clubfoot treatment in Brazil, Nogueira, et al.

8:58-9:06 Impact of the Ponseti method on primary soft tissue release in clubfoot patients, Rosales, et al.

9:06-9:14 Treatment of children with arthrogyposis in Yaroslavl Region Children's Hospital, Blandinsky, et al.

9:14-9:22 Ponseti in Myelodysplastic feet: a Latin American experience, Mogueira, et al.

9:22-9:30 Evaluation of the application of the Ponseti method in Bangladesh, Baker, et al.

9:30-9:38 Designing and implementing a nationwide Ponseti program in partnership with the government of Bangladesh, Wade, et al

9:38-9:46 The Nigeria Clubfoot Child Care Program, Adegbehingbe, et al.

9:46-10:00 Discussion

10:00-10:30 COFFEE BREAK

NEXT STEPS – MOVING FORWARD

Moderators: Jose Morcuende, MD, PhD, Thomas Cook, PhD

10:30-12:00 Discussion and Consensus

12:00 PM Final Comments and Adjourn

12:15-1:15 LUNCH

2:00 PM *Barcelona City Hall Reception (departiHotel Fira at 1:30)*