

# 3<sup>rd</sup> Hypospadias World Congress

## Philadelphia, PA USA

### Tuesday October 29, 2019

14:00-17:00 Registration

17:00-19:00 Welcome reception (with canapés and drinks)

### Wednesday October 30, 2019

7:30 Registration and breakfast

#### 08:00 – 08:15 Welcome

(Mark Zaontz, President elect, Ahmed Hadidi, President HIS)

#### 8:15- 10:30 Session 1: Basic Science

##### 8:15-9:15 Panel 1: Development of the Human Urethra and Hypospadias

Panellists: Martin Cohn (USA), Darius Bagli (Canada), Nicolas Kalfa (France), Ahmed Hadidi (Germany)

**The current theories for urethral development and pathogenesis of hypospadias. How to correlate basic science research with clinical research?**

**Moderator:** Jason Van Batavia (USA), Christopher Long (USA)

9:15-9:30 Discussion

9:30 – 10:35 Basic science abstracts [**ABSTRACT SESSION 1**]

- 5 abstracts, 7 minutes each; 2 poster presentations, 5 minutes each
  - **Role for Anti-Inflammatory Nanofibers on Urethral Reconstruction**  
Yvonne Chan, M.D.  
*Ann and Robert H. Lurie Children's Hospital of Chicago (Illinois, USA)*
  - **Single Nucleotide Polymorphism (Snp)-Array Analysis In Families of 223 Children Born with Isolated Distal Hypospadias**  
Matthieu Peycelon, M.D.  
*AP-HP, Hôpital Robert-Debré, Pediatric Urology Department; Reference Center for Rare Diseases (CRMR) Malformations Rares des Voies Urinaires (MARVU); Université de Paris. INSERM UMRS\_933, Paris, France; Riley Children Hospital, Pediatric Urology Department; Indiana University, School of Medicine (Indiana, USA)*
  - **Dehydrated Human Umbilical Cord Allograft Associated with Higher Urethrocutaneous Fistula Repair Success Rates Among Pediatric Patients After Hypospadias Repair**  
Andy Chang, M.D.  
*Children's Hospital Los Angeles (California, USA)*
  - **Engineering a Biomimetic Scaffold for Urethral Tissue Engineering Application**  
Renea Sturm, M.D.  
*University of California (California, USA)*

- **Can the Anogenital Distance Predict The Outcome of Hypospadias Surgery?**  
Alexander Springer, M.D., PhD  
*Medical University of Vienna (Vienna, Austria)*
- **A Marsupial Model to Study the Effects of Sex Steroids on Gene Expression in Genitalia (5 minute poster presentation)**  
Yu Chen  
*University of Florida (Florida, USA)*
- **The Endocrine Disruptor Vinclozolin Induces Penis Variation by Modulating Cell Death During Fetal Development (5 minute poster presentation)**  
Kelsey Lewis  
*University of Florida (Florida, USA)*
- → 20 minutes for discussion

**Moderators:** Darius Bagli (Canada), Martin Cohn (Florida, USA)

**10:35-10:45: Genetics and Genomics of Hypospadias.**

Louisa C. Pyle, M.D. PhD  
Children's Hospital of Philadelphia (Philadelphia, Pennsylvania, USA)

10:45-11:00 Coffee break

**11:00- 13:05 Session 2: General Hypospadias management**

11:00 – 12:00 **Panel 2: Master in Hypospadias surgery:** A. Barry Belman (USA), Alan Retik (USA), George Kaplan (USA) Edmond Gonzalez (USA).

**Moderator:** Anthony Caldamone (USA)

12:00- 13:05 General Hypospadias abstract session [**ABSTRACT SESSION 2**]

- 9 abstracts, 5 minutes for each presentation
  - Part 1:
    - **Parental Decision Regret In Childhood Hypospadias Surgery: Do We Know All That We Would Like to Know?**  
Sergey Vavilov, M.D.  
*John Hunter Children's Hospital (New South Wales, Australia)*
    - **Should Complex Hypospadias Repair Be a Team Sport?**  
Marc Cendron, M.D.  
*Boston Children's Hospital (Massachusetts, USA)*
    - **A Systematic Review of Core Outcomes for Hypospadias Surgery**  
Alexander Springer, M.D.  
*Medical University of Vienna (Austria)*
    - **Learning Curve In Proximal Hypospadias Repair**  
Eiji Hisamatsu, M.D.  
*Aichi Children's Health and Medical Center (Obu, Japan)*
    - → 10 minute discussion
  - Part 2:
    - **Difficulties In Long-Term Follow-Up After Surgery For Distal Hypospadias: A Reality That Exceeds Our Expectations!**

Matthieu Peycelon M.D.  
AP-HP, Hôpital Robert-Debré, Pediatric Urology Department; Reference Center for Rare Diseases (CRMR) Malformations Rares des Voies Urinaires (MARVU); Université de Paris. INSERM UMRS\_933, Paris, France; Riley Children Hospital, Pediatric Urology Department; Indiana University, School of Medicine (Indiana, USA)

- **Possible Predictive Factors Suggestive Of Outcome That May Affect Decision-Making For Type Of Surgical Procedure In Children With Proximal Hypospadias: An On Going Challenge**  
Abdurrahman Onen, M.D.  
Dicle University (Diyarbakır, Turkey)
- **Hypospadias Repairs In Nnewi , Nigeria: Presentations, Techniques And Outcomes**  
Ugwu Jideofor, M.D.  
Nnamdi Azikiwe Azikiwe University Teaching Hospital (Nnewi, Nigeria)
- **Long Term Functional And Aesthetic Outcomes Following Repair Of The Glans Penis And Meatus In Hypospadias**  
Moneer Hanna, M.D.  
New York Weill-Cornell Hospital (New York, USA)
- **Can Fibrin Glue Be A Useful Adjunct To Surgical Management Of Recurrent Fistula Post Hypospadias Surgery?**  
Ahmed Badawe Hassan, M.D.  
Bani Sweif Governorate Specialized Hospital (Cairo, Egypt)
- → 10 minute discussion

**Moderators:** Anne-Françoise Spinoit (Belgium), Nicolas Fernandez (Canada)

## **13:05– 14:00 Lunch (View posters and visit exhibitors)**

### **14:00- 16:15 Session 3: Chordee**

14:00-14:10 **Basic Science lecture:** What do we know about Chordee? A. Kelsey Lewis (Florida, USA)

14:10-14:15 Discussion

14:15– 14:55 **Panel 3: How we correct penile curvature (6 minutes each):** Ahmed Hadidi (Tunica Albuginea Excision TALE, no plication, no grafts), Peter Cuckow (plication only), Rafael Gosalbez (SIS), Christopher Long (Ventral lengthening with grafts), Yutaro Hayashi (tunica vaginalis flap), Luis Braga (Ventral lengthening with corporotomies).

**Moderator:** Mark Zaontz (USA), Bruce Schlomer (USA)

14:55-15:15 Discussion including the following points:

- Impact of patient age on the decision process for penile curvature correction
- Discuss the risk of erectile dysfunction with ventral lengthening procedure
- Approaches for inducing artificial erection and assessment of curvature

15:15-15:45: Penile curvature abstracts with discussion [**ABSTRACT SESSION 3**]

- 3 abstracts, 5 minutes each
  - **Penile Curvature Measurement: Eyeball Vs Goniometer Vs App**  
Carlos Villanueva, M.D.  
*Phoenix Children's Hospital (Arizona, USA)*
  - **Measurement Accuracy Of 3-Dimensional Modeling Technologies Versus Standard Goniometry For Assessment Of Angulation**  
Renea Sturm, M.D.  
*University of California (California, USA)*
  - **Re-imagined Byars flaps for staged correction of severe hypospadias: Short to mid-term results**  
Arbinder Singal M.D.  
*Hypospadias Foundation, MITR Hospital (Navi Mumbai, India)*
- → Discussion 10 minutes

**Moderators:** Elizabeth Yerkes (USA), Ibrahim Ulman (Turkey)

15:45-16:15: Poster presentations (2 minutes), 8 minutes discussion [POSTER SESSION]

- 12 posters
  - **Clinical Features, Gonadal Spectrum, And Surgical Management Of Pediatric 45X/46Xy Chromosomal Mosaicism**  
Somboon Roekwibunsi, M.D.  
*Chulalongkorn University and King Chulalongkorn Memorial Hospital (Bangkok, Thailand)*
  - **Koyanagi Procedure In Male 46,Xx Ovotestis?Patients: Is It A Reasonable Choice?**  
Daniela Brindusa Gorduza, M.D.  
*Hospices Civils de Lyon, Hôpital Mère-Enfant (Paris, France)*
  - **Tubularised Incised Graft Urethroplasty (TIG) In Staged Hypospadias Repair**  
Alexander Springer, M.D.  
*Medical University of Vienna (Vienna, Austria)*
  - **Use Of A Urethral Splent For Hypospadias Urinary Drainage In Toilet Trained Children**  
Erin McNamara, M.D.  
*Boston Children's Hospital (Massachusetts, USA)*
  - **Evaluation Of Patient And Surgeon Satisfaction After Complete Degloving And Excision Of Dartos Tissue Surgery For Buried Penis Patient**  
Gerhard Reinaldi, MD. PhD  
*University of Indonesia (Jakarta, Indonesia)*
  - **Single Centre Experience Of Hypospadias Surgery Performed By Trainees**  
Enaam Raboei, M.D.  
*King Fahd Armed Forces Hospital (Jeddah, Saudi Arabia)*

- **Eccentric Urethroplasty In Coronal And Stem Forms Of Hypospadias In Children**  
Alisher Sultanov, M.D.  
*Republican Specialized Applied Research Center of Pediatrics (Tashkent, Uzbekistan)*
- **Congenital Anterior Urethrocutaneous Fistula: A Case Report And Review Of Literature**  
Ahmed Hassan, M.D.  
*Faculty of Medicine Alexandria (Alexandria, Egypt)*
- **Possible Predictive Factors Suggestive Of Anatomic, Functional And Cosmetic Outcome Of Children With Distal Hypospadias**  
Abdurrahman Onen, M.D.  
*Dicle University (Diyarbakir, Turkey)*
- **Slam Procedure In Recurrent Hypospadias. A Case Report**  
Mohamed Lamine Bouleame, PhD  
*Constantine Children's Hospital (Constantine, Algeria)*
- **Is Meatotomy A More Suitable Option Than Dilation For The Treatment Of Recurrent Stenosis Due To Hypospadias Repair?**  
Ali Tekin, M.D.  
*Ege University (Izmir, Turkey)*
- **Proximal Hypospadias: Koyanagi Technique**  
Hayette Boussif, M.D., PhD  
*Centre Hospitalo-Universitaire Mustapha (Mustapha, Algeria)*

**Moderators:** Paddy Dewan (Australia), Carlos Villanueva (USA)

16:15-16:30 Coffee Break

## **16:30- 18:00 Session 4: Video review session**

16:30 – 18:00 Reconstructive videos (5-10 minutes) with discussion

Moderators: Arbinder Singal (India), Moneer Hanna (USA)

- 8 Videos
  - **Two Stage Hypospadias Repair: A Video**  
Saul Greenfield M.D.  
*Oishei Children's Hospital (New York, USA)*
  - **Staged Autograft Repair: Video Demonstration Of The First Stage**  
Carlos Villanueva, M.D.  
*Phoenix Children's Hospital (Arizona, USA)*
  - **Staged Autograft Repair: Video Demonstration Of The Second Stage**  
Carlos Villanueva, M.D.  
*Phoenix Children's Hospital (Arizona, USA)*

- **Staged Autograft Repair: Video Demonstration Of The Use Of Buccal Mucosa For Reoperations**  
Carlos Villanueva, M.D.  
*Phoenix Children's Hospital (Arizona, USA)*
- **Midshaft Hypospadias Repair: Tubularized Incised Plate**  
Erin McNamara, M.D.  
*Boston Children's Hospital (Massachusetts, USA)*
- **1st Stage Hypospadias Repair With Dermal Graft**  
Erin McNamara, M.D.  
*Boston Children's Hospital (Massachusetts, USA)*
- **Second Stage Hypospadias Repair**  
Erin McNamara, M.D.  
*Boston Children's Hospital (Massachusetts, USA)*
- **Thiersch Duplay without Meatoplasty**  
Mark R. Zaontz, M.D.  
*Children's Hospital of Philadelphia (Pennsylvania, USA)*
- **Urethral Mobilization Hypospadias Repair**  
Patrick McKenna, M.D. (Wisconsin, USA)

## Thursday October 31, 2109

7:30 – 8:00AM Breakfast

7:00 -8:00 AM HIS Executive board meeting

### 08:00- 10:00 Session 5: Reoperative hypospadias Repair

**08:00 – 08:20 John Duckett Lecture:** The Cecil Repair revisited - Douglas Canning (Pennsylvania, USA)

08:20- 08:30 Discussion

08:30 –10:15 Re-operative hypospadias surgery abstracts /videos **[ABSTRACT SESSION 4]**

- Abstracts: 15; 5 minutes each
  - Phase 1:
    - **The Role Of Extended Glans Dissection In Redo Distal Hypospadias**  
Hazem Mosa, M.D. (Cardiff, Wales)  
*Noah's Ark Children's Hospital*
    - **Role Of Hyperbaric Oxygen Therapy And Vasodilators In Repeat Genital Surgery**  
Moneer Hanna, M.D.  
*New York Weill-Cornell Hospital (New York, USA)*
    - **Close Monitoring In The First Year After Hypospadias Repair Results In Early Detection Of Urethrocutaneous Fistulas (Ucfs)**  
Melissa McGrath, BASc  
*McMaster University (Hamilton, Canada)*
    - **Urethral Fistulae Following Surgery For Scrotal Or Perineal Hypospadias : A 20 Year Review**  
Devesh Misra, M.D.  
*Royal London Hospital (London, England)*
    - **Time to Complication Development**  
Christopher J. Long, M.D.  
*Children's Hospital of Philadelphia (Pennsylvania, USA)*
    - → 8 minutes discussion
  - Phase 2
    - **To Stage Or Not To Stage: Surgeon Intuition And Early Complications In Proximal Hypospadias Repair**  
Elizabeth Yerkes, M.D.  
*Ann and Robert H. Lurie Children's Hospital (Illinois, USA)*
    - **Detection And Treatment Of Uretral Stenosis After Surgery For Distal Hypospadias**  
Matthieu Peycelon, M.D.  
*AP-HP, Hôpital Robert-Debré, Pediatric Urology Department; Reference Center for Rare Diseases (CRM) Malformations Rares des Voies Urinaires (MARVU); Université de Paris. INSERM UMRS\_933, Paris, France; Riley Children Hospital, Pediatric Urology Department; Indiana University, School of Medicine (Indiana, USA)*

- **Koyanagi Urethroplasty For Perineal Hypospadias: Results Of 88 Patients With Medium Follow Up**  
Daniela Gorduza, M.D.  
*Hospices Civils de Lyon, Hôpital Mère-Enfant – Service d’Urologie Pédiatrique (Paris, France)*
- **Successful Rate Of Onlay Preputial Island Flap Urethroplasty For Hypospadias In Cipto Mangunkusumo Hospital**  
Johannes Aritonang, M.D.  
*Cipto Mangunkusumo National Referral Hospital – Universitas Indonesia (Jakarta, Indonesia)*
- **The Two-Stage Proximal Hypospadias Repair: An Analysis Of Complications In Regards To Final Meatal Position After The Urethroplasty.**  
Antonio Macedo, M.D.  
*Federal University of Sao Paulo (Sao Paulo, Brazil)*
- **Oral Mucosal Inlay Grafts for Failed Hypospadias: Case selection and Outcomes**  
Arbinder Singal M.D.  
*Hypospadias Foundation, MITR Hospital (Navi Mumbai, India)*
- → 8 minutes discussion
- Phase 3:
  - **Long-Term Follow Up After Tunneled Buccal Mucosa Tube Urethroplasty For Complex Hypospadias: What Is The Risk Of Requiring A Major Revision?**  
Paul Zelkovic, M.D.  
*New York Medical College (New York, USA)*
  - **Lower Reoperation And Complications From Free Graft Versus Flap Reconstruction For Staged Proximal Hypospadias Repair**  
Christopher Austin, M.D. (Oregon, USA)  
*Oregon Health and Sciences University*
  - **Management Of Urethrocutaneous Fistulae After Hypospadias Repair: A 15-Year Experience**  
Sherif Kadah, M.D. (Egypt)  
*Cairo University*
  - **Failed Hypospadias Repair: Is There A Role For Local Flaps?**  
Ahmed Hadidi, M.D.  
*Sana Klinikum Offenbach (Offenbach, Germany)*
  - **Meatal Mismatch And GMS Scoring: Change In Meatal Location After Degloving Is Associated With Short-Term Urethrocutaneous Fistula Development In Hypospadias Repairs.**  
David Chu, M.D. (Illinois, USA)  
*Ann & Robert H. Lurie Children's Hospital*
  - → 8 minutes discussion

**Moderators:** Antonio Macedo (Brazil), Caleb Kovell (Pennsylvania, USA)

10:15-10:30 Coffee Break



10:30-10:50 Plastic surgeon's perspective on wound healing, wound healing by secondary intent, graft contracture (Scott Bartlett, (CHOP)

10:50-11:00 Discussion

## **11:00- 12:30 Session 6: Adult hypospadias considerations and long term follow up**

11:00 -12:00 **Panel 4, Adult Hypospadias Considerations:** Robert (Caleb) Kovell (Pennsylvania, USA), Kimihiko Moriya (Japan), Anne Françoise Spinoit (Belgium), Bruce Schlomer (Texas, USA), Arbinder Singal (India) –10 minute talks

- How do you identify complications?
- How should our management considerations change for adults vs kids?
- Should we ever do a penile lengthening procedure in an adult? If so, when?
- Patient reported outcomes, where are we now?
- What does an adult consider a successful repair?
- Flowmetry in assessing urethral stricture disease. Is it worthwhile?

**Moderators:** Peter Cuckow (England), Grahame Smith (Australia)

12:00 - 12:35 Adult hypospadias abstracts with discussion [**ABSTRACT SESSION 5**]

- Abstracts, #3, (5 minutes each)
  - **Long-Term Urological Outcome Of Men Born With Hypospadias**  
Ann Françoise Spinoit, M.D. (Ghent, Belgium)  
*Ghent University Hospital*
  - **Long-Term Psychosexual Outcome Of Men Born With Hypospadias**  
Alexander Springer, M.D.  
*Medical University of Vienna (Vienna, Austria)*
  - **Management Of Hypospadias In Adults Lessons Learnt In 115 Patients Over 11 Years**  
Ahmed Hadidi, M.D.  
*Sana Klinikum Offenbach (Offenbach, Germany)*
- → 10 minutes discussion

**Moderators:** Edmond Gonzalez (Texas, USA), Thomas Kolon (Pennsylvania, USA)

## **12:35 – 13:30 Lunch (view posters and exhibitors)**

## **13:30- 15:30 Session 7**

13:30 – 14:00 **Point counterpoint on value of Meta-analysis: Much ado about nothing?** Luis Braga (Canada) and Emilie Johnson (USA)

- TIP versus TIP with a graft
- Testosterone pre-treatment vs no pre treatment

**Moderator:** Rama Jayanthi (USA)

14:00- 14:10 Discussion

14:10- 15:50 General Hypospadias abstracts [**ABSTRACT SESSION 6**]

- Abstracts, 15; 5 minutes each
  - Part 1:
    - **Urethral Mobilization And Advancement With Teardrop Meatoplasty For Hypospadias Repair**  
Kiersten Craig, M.D.  
*New York Presbyterian (New York, USA)*
    - **Staged Auto Graft(STAG) Repair For Penoscrotal Hypospadias With Ventral Curvature Greater Than 30 Degrees**  
Luis Braga, M.D.  
*McMaster University (Hamilton, Canada)*
    - **Challenging Proximal Hypospadias Repairs: An Evolution Of Technique For Two Stage Repairs**  
Yvonne Chan, M.D.  
*Ann and Robert H. Lurie Children's Hospital of Chicago (Illinois, USA)*
    - **An Alternative Surgical Technique To Byar's Flaps In Hypospadias Repair**  
Hrair Mesrobian, M.D.  
*Medical College and Children's Hospital of Wisconsin (Wisconsin, USA)*
    - → 10 minutes discussion
  - Part 2:
    - **The Gud Technique: A Valuable Alternative To Coronal And Subcoronal Hypospadias. Why Is It Different From Urethral Mobilization Only?**  
Antonio Macedo, M.D.  
*Federal University of Sao Paulo (Sao Paulo, Brazil)*
    - **Managing Scrotal Hypospadias Over 17 Years- What Works, What Doesn't**  
Devesh Misra, M.D.  
*Royal London Hospital (London, England)*
    - **Two-Stage Repair Proximal Hypospadias: Using Normal Blood Supply Preputial Flap And Results**  
Viet Nguyen Duy, M.D.  
*National Hospital of Pediatrics (Hanoi, Vietnam)*
    - **Hypospadias Repair with Septum Glandis and Frenulum Reconstruction And Reconfiguration of The Fossa Navicularis**  
Hüseyin Özbey, M.D.  
*Istanbul University (Istanbul, Turkey)*
    - **The 'Fossa Navicularis' and the 'Septum Glandis': A 'Flow-Control Valve' for the Male Urethra?**  
Hüseyin Özbey, M.D.  
*Istanbul University (Istanbul, Turkey)*

- → 10 minutes discussion
- Part 3:
  - **Parental Survey for Awareness and Concerns for Hypospadias**  
Arbinder Singal, M.D.  
*Hypospadias Foundation, MITR Hospital (Navi Mumbai, India)*
  - **The Megameatus, Intact Prepuce Variant Of Hypospadias: Use of the Inframeatal Vascularized Flap**  
Marc Cendron, M.D.  
*Boston Children's Hospital (Massachusetts, USA)*
  - **Cover Technique for Skin Reconstruction in Hypospadias Repair (Cobra Eyes? Ventral Reapproximation)**  
Ibrahim Ulman, M.D.  
*Ege University (Izmir, Turkey)*
  - **Clinical Results of a New Technique for Skin Reconstruction in Hypospadias Repair (Cover)**  
Ibrahim Ulman, M.D.  
*Ege University (Izmir, Turkey)*
  - **Hypospadias as a Part of Outreach**  
Paddy Dewan, PhD MD FRACS FRCS  
*Kind Cuts for Kids (Parkville, Australia)*
  - → 10 minutes discussion

**Moderators:** Katherine Chan (USA), James Elmore (USA)

15:50-16:00 Coffee break

**16:00-16:15: PRO (patient reported outcomes) in Hypospadias Surgery: Where Do We Stand?**

Melise Keays M.D.  
*Children's Hospital of Eastern Ontario (Ontario, Canada)*

## **16:00- 17:45 Session 8**

16:00-17:45 Abstracts and videos on my Worst Hypospadias Complications with discussion  
Abstracts for this session:

- **My Worst Case 1**
- **My Worst Case 2**
- **My Worst Case 3**
- **My Worst Case 4**  
Prof. Dr. Ahmed Hadidi (Germany)  
*Offenbach Hospital Germany*
- **Re-Operative Management Of Crippled Hypospadias With Chronic Epididymo-Orchitis**  
Dr. Sekhri Zeggar Lyes  
*Regional Military Hospital University of Constantine (Constantine, Algeria)*

**Moderator:** Doug Canning (USA)

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### **18:30 Gala Dinner Cruise on Spirit of Philadelphia**

- Transportation from the venue at 18:00 on buses to the port and return to Hotel.

## **Friday, November 1, 2019**

7:30- 8:00 Breakfast and visit exhibition hall, posters

### **08:00- 10:30 Session 9**

8:00 – 9:30 **Hypospadias How I Do it? (7 minutes each)**

**Moderator:** Seref Etker (Turkey)

Part 1:

- **Dorsal Inlay Graft (DIG) hypospadias repair**  
Thomas Kolon, M.D. (Pennsylvania, USA)
- **MIV Hypospadias Repair, The MAGPI Replacement**  
Jason Van Batavia, M.D. (Pennsylvania, USA)
- **Urethral Mobilisation and Partial Glandular Disassembly [VIDEO PRESENTATION 3669]**  
Antonio Macedo, M.D. (Sao Paolo, Brazil)
- **Two Stage Buccal Grafts and Primary Urethroplasty & Follow-Up**  
Rafael Gosalbez, M.D. (Florida, USA)

Discussion 15 minutes

Part 2:

- **Modified Ulaanbaatar Procedure**  
Rama Jayanthi, M.D. (Ohio, USA)
- **The Ulaanbaatar Two Stage Hypospadias Procedure**  
Paddy Dewan PhD, M.D. (Parkville, Australia)
- **CEDU Procedure With Follow-Up From Live Surgery Workshops**  
Ahmed Hadidi, M.D. (Offenbach, Germany)
- **2-Stage Proximal Repair with Long Term Follow-up**  
Peter Cuckow, M.D. (London, England)

Discussion 15 minutes

### **9:30-1030 Panel 5: Hypospadias International Classification, Assessment, Long Term Follow up**

James Elmore (Georgia, USA), Ahmed Hadidi (Germany), Grahame Smith (Australia), Luis Braga (Canada), Christopher Long (Pennsylvania, USA).

- Compare GMS, modified GMS, and HIS score
- Proposal for follow up algorithm and assessment (Hadidi)

**Moderator:** Melise Keays (Canada)

**10:30–11:00** Discussion

11:00-11:15 Coffee break

**11:15- 13:00 Session 10**

11:15- 12:00 **Panel 6: Point-counterpoint on Hormonal Therapy in Hypospadias surgery** (7 minutes per speaker). Speakers: Mark Zaontz (Pennsylvania, USA), Elizabeth Yerkes (Illinois, USA), Daniela Gorduzza (France), Ann Françoise Spinoit (Belgium)

- Role of hormone therapy in wound healing
- What percentage does the penis enlarge after giving androgens? For how long? What happens to the urethra when the penis shrinks after stopping hormone therapy?
- Indications for giving testosterone
- What future studies do we need to definitively answer if testosterone is indicated?
- Is it indicated in specific surgical repairs to improve outcomes (i.e. Thiersch Duplay) but not in others, such as the SLAM? Specifically does glans size matter for some procedures but not others?
- When should pre-operative testosterone be administered?
- The role of hormone receptor testing prior to administration

**Moderator:** Luis Braga (Canada)

12:00-12:15 Discussion

12:15-12:45: **Abstract session on hormonal therapy [ABSTRACT SESSION 7]**

- Abstracts: #4, 5 minutes each
  - **Evaluating The Literature On Preoperative Androgen Stimulation For Hypospadias Repair Using The Fragility Index: Which Can We Trust - Randomized Controlled Trials Or Observational Studies?**  
Luis Braga, M.D.  
*McMaster University (Hamilton, Canada)*
  - **Endocrine And Reproductive Outcome Of Men Born With Various Degrees Of Hypospadias**  
Ann Françoise Spinoit, M.D.  
*Ghent University Hospital (Ghent, Belgium)*
  - **Glans Width In A Large Hypospadias Population**  
Michael Sennert, M.D.  
*Sana Klinikum Offenbach (Offenbach, Germany)*
  - **Testosterone and Glans Width at CHOP**  
Sameer Mittal, M.D.  
*Children's Hospital of Philadelphia (Pennsylvania, USA)*
- → 10 minutes discussion

**Moderator:** Nicolas Kalfa (France), Daniela Gorduza (France)

**12:45-13:00 Alexander Springer – 2020 4<sup>th</sup> Annual Hypospadias World Congress – Wien, Austria**

**13:00-14:00 Lunch (HIS General Assembly)**

**12:30-14:00: *Optional portion of the program: trolley tour of Philadelphia city landmarks (boxed lunch included)***

**14:00- 16:30 Session 11: Education Course (10 min each)**

- **Peer Review, Open Access, and Predatory Journalism**  
Tony Caldamone, M.D. (Rhode Island, USA)
- **Guidelines to Write a Sound Hypospadias Paper**  
Luis H. Braga, M.D. (Hamilton, Canada)
- **Placing HIS on The Map: Online Educational Materials for Families and Surgeons**  
Christopher Long, M.D. (Pennsylvania, USA)
- **Parental Decision Making for Hypospadias Surgery**  
Katherine Chan, M.D. (Indiana, USA)

Discussion: 20 minutes

- **Anatomy of The Penis**  
Peter Cuckow, M.D. (London, England)
- **Physiology of Erection**  
Ibrahim Ulman, M.D. (Izmir, Turkey)
- **Database Creation and Collaboration in Hypospadias Surgery**  
Nicolas Fernandez, M.D. (Toronto, Canada)
- **Barriers to Implementing a Universal Documentation System in Hypospadias Evaluation and Surgery**  
Melissa McGrath, BA<sup>Sc</sup> (Hamilton, Canada)

Discussion: 20 minutes

**Moderators:** Emilie Johnson (USA), Anne Françoise Spinoit (Belgium)

**16:30-16:45: Basic Science and Clinical Prizes announcement**

**17:00 Adjourn – See you all in Wien, Austria in 2020!**