3rd 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 (UF), 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]

- 6 abstracts, 7 minutes each; 2 poster presentations, 4 minutes each
- Role For Anti-Inflammatory Nanofibers On Urethral Reconstruction
  Yvonne Chan, M.D.
  Ann and Robert H. Lurie Children's Hospital of Chicago

- 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, Indianapolis, Indiana, USA

- Use Of Cellular Technologies For Urethroplasty In Patients With Severe Hypospadias
  Artem Burkin, M.D.
  CSCH named after Z.A.Bashliaeva NHS

- 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

- **Engineering A Biomimetic Scaffold For Urethral Tissue Engineering Application**
  Renea Sturm, M.D.
  University of California, Los Angeles

- **Can The Anogenital Distance Predict The Outcome Of Hypospadias Surgery?**
  Alexander Springer, M.D., PhD
  Medical University of Vienna, Austria

- **A marsupial model to study the effects of sex steroids on gene expression in genitalia (4 minute poster presentation)**
  Yu Chen
  University of Florida, Gainesville, Florida

- **The Endocrine Disruptor Vinclozolin Induces Penis Variation by Modulating Cell Death During Fetal Development (4 minute poster presentation)**
  Kelsey Lewis
  University of Florida, Gainesville, FL

- → 15 minutes for discussion

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

10:35-10:45: Genetics and Genomics of Hypospadias.
Louisa C. Pyle, M.D. PhD
Children’s Hospital of Philadelphia, Philadelphia, PA

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: Barry Belman, Alan Retik, George Kaplan, Edmond Gonzalez.

**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, NSW, Australia
    - **Should Complex Hypospadias Repair Be A Team Sport?**
      Marc Cendron, M.D.
      BCH
    - **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.
Department of Urology, Aichi Children's Health and Medical Center

- 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, Indianapolis, 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

- **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

- **Can Fibrin Glue Be A Useful Adjunct To Surgical Management Of Recurrent Fistula Post Hypospadias Surgery?**
  Ahmed Badawe Hassan, M.D.

- 10 minute discussion

**Moderators:** Anne-Françoise Spinoit (Belgium), Nicholas Fernandez (USA)

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

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

**14:00 – 14:15 Basic Science lecture:** What do we know about Chordee? A. Kelsey Lewis (USA)

**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 Schlommer (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*

- **Measurement Accuracy Of 3-Dimensional Modeling Technologies Versus Standard Goniometry For Assessment Of Angulation**
  Renea Sturm, M.D.
  *University of California, Los Angeles*

- **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.
  *Department of Surgery, Faculty of Medicine, Chulalongkorn University and King Chulalongkorn Memorial University Hospital, Bangkok, Thailand 10330*

- **Koyanagi Procedure In Male 46,Xx Ovotestis?Patients: Is It A Reasonable Choice?**
  Daniela Brindusa Gorduza, M.D.

- **Tubularised Incised Graft Urethroplasty (TIG) In Staged Hypospadias Repair**
  Alexander Springer, M.D.
  *Medical University of Vienna*

- **Use Of A Urethral Splent For Hypospadias Urinary Drainage In Toilet Trained Children**
  Erin McNamara, M.D.
  *BCH*

- **Evaluation Of Patient And Surgeon Satisfaction After Complete Degloving And Excision Of Dartos Tissue Surgery For Buried Penis Patient**
  Hilman Hadiansyah
  *University of Indonesia*

- **Single Centre Experience Of Hypospadias Surgery Performed By Trainees**
Eccentric Urethroplasty In Coronal And Stem Forms Of Hypospadias In Children
Alisher Sultanov, M.D.
Republican Specialized Applied Research Center of Pediatrics (Uzbekistan)

Congenital Anterior Urethrocutaneous Fistula: A Case Report And Review Of Literature
Ahmed Badawe Hassan, PhD
Faculty of Medicine Alexandria

Possible Predictive Factors Suggestive Of Anatomic, Functional And Cosmetic Outcome Of Children With Distal Hypospadias
Abdurrahman Onen, M.D.
Dicle University

Slam Procedure In Recurrent Hypospadias. A Case Report
Mohamed Lamine Bouleame, PhD
Constantine Children’s Hospital 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

Proximal Hypospadias: Koyanagi Technique
Hayette Boussif, M.D., PhD
Chu Mustapha Algiers, 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

  - Staged Autograft Repair: Video Demonstration Of The First Stage
    Carlos Villanueva, M.D.
    Phoenix Children’s Hospital

  - Staged Autograft Repair: Video Demonstration Of The Second Stage
    Carlos Villanueva, M.D.
- **Staged Autograft Repair: Video Demonstration Of The Use Of Buccal Mucosa For Reoperations**
  Carlos Villanueva, M.D.
  *Phoenix Children’s Hospital*

- **Midshaft Hypospadias Repair: Tubularized Incised Plate**
  Erin McNamara, M.D.
  *Boston Children's Hospital*

- **1st Stage Hypospadias Repair With Dermal Graft**
  Erin McNamara, M.D.
  *Boston Children's Hospital*

- **Second Stage Hypospadias Repair**
  Erin McNamara, M.D.
  *Boston Children's Hospital*

- **Thiersch Duplay without Meatoplasty**
  Mark R. Zaontz, M.D.
  *Children’s Hospital of Philadelphia*
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 (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.
      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
    - Close Monitoring In The First Year After Hypospadias Repair Results In Early Detection Of Urethrocutaneous Fistulas (Ucfs)
      Melissa McGrath, BASc
      McMaster University
    - Urethral Fistulae Following Surgery For Scrotal Or Perineal Hypospadias : A 20 Year Review
      Devesh Misra, M.D.
      Royal London Hospital
    - Time to Complication Development
      Christopher J. Long, M.D.
      Children’s Hospital of Philadelphia
  - 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 of Chicago
    - 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 (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, Indianapolis, Indiana, USA
- Koyanagi Urethroplasty For Perineal Hypospadias: Results Of 88 Patients With Medium Follow Up
  Daniela Gorduza, M.D.

- Successful Rate Of Onlay Preputial Island Flap Urethroplasty For Hypospadias In Cipto Mangunkusumo Hospital
  Johannes Aritonang, M.D.
  Urology Department, Cipto Mangunkusumo National Referral Hospital – Faculty of Medicine, 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

- Oral Mucosal Inlay Grafts for Failed Hypospadias: Case selection and Outcomes
  Arbinder Singal M.D.
  Fortis Hospital, Vashi

- 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

  - Lower Reoperation And Complications From Free Graft Versus Flap Reconstruction For Staged Proximal Hypospadias Repair
    Christopher Austin, M.D.
    Oregon Health and Sciences University

  - Management Of Urethrocutaneous Fistulae After Hypospadias Repair; A 15-Year Experience
    Sherif Kadah, M.D.
    Cairo University

  - Failed Hypospadias Repair: Is There A Role For Local Flaps?
    Ahmed Hadidi, M.D.
    Sana Klinikum, 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.
    Ann & Robert H. Lurie Children’s Hospital of Chicago

- 8 minutes discussion

Moderators: Antonio Macedo (Brazil), Caleb Kovell (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 (USA), Kimihiko Moriya (Japan), Anne Francois Spinoit (Belgium), Bruce Schlomer (USA)—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 (UK), 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 Francois Spinoit, M.D.
    Ghent University Hospital
  - Long-Term Psychosexual Outcome Of Men Born With Hypospadias
    Alexander Springer, M.D.
    Medical University of Vienna
  - Management Of Hypospadias In Adults Lessons Learnt In 115 Patients Over 11 Years
    Ahmed Hadidi, M.D.
    Sana Klinikum, Offenbach Germany

→ 10 minutes discussion

Moderators: Edmond Gonzalez (USA), Thomas Kolon (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
    - Staged Auto Graft(STAG) Repair For Penoscrotal Hypospadias With Ventral Curvature Greater Than 30 Degrees
      Luis Braga, M.D.
      McMaster University
    - 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
    - An Alternative Surgical Technique To Byar's Flaps In Hypospadias Repair
      Hrair Mesrobian, M.D.
      Medical College and Children’s Hospital of Wisconsin
    - → 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
    - Managing Scrotal Hypospadias Over 17 Years- What Works, What Doesn’t
      Devesh Misra, M.D.
      Royal London Hospital
    - Two-Stage Repair Proximal Hypospadias: Using Normal Blood Supply Preputial Flap And Results
      Viet Nguyen Duy, M.D.
      National Hospital of Pediatrics, Hanoi, Viet Nam
    - Hypospadias Repair With Septum Glandis And Frenulum Reconstruction And Reconfiguration Of The Fossa Navicularis
      Hüseyin Özbey, M.D.
      Istanbul Medical Faculty, Department of Pediatric Surgery, Division of Pediatric Urology, Istanbul University, Istanbul, Turkey
    - Parental Survey for awareness and concerns for Hypospadias
      Arbinder Singal, M.D.
      Hypospadias Foundation, MITR Hospital, Navi Mumbai, India
    - → 10 minutes discussion
  - Part 3:
The ‘fossa navicularis’ And The ‘septum glandis’: A ‘flow-control valve’ For The Male Urethra?
Hüseyin Özbey, M.D.
Istanbul Medical Faculty, Department of Pediatric Surgery, Division of Pediatric Urology, Istanbul University, Istanbul, Turkey

The Megameatus, Intact Prepuce Variant Of Hypospadias: Use Of The Inframeatal Vascularized Flap
Marc Cendron, M.D.
BCH

Cover Technique For Skin Reconstruction In Hypospadias Repair (Cobra Eyes? Ventral Reapproximation)
Ibrahim Ulman, M.D.
Ege University

Clinical Results Of A New Technique For Skin Reconstruction In Hypospadias Repair (Cover)
Ibrahim Ulman, M.D
Ege University

Hypospadias As A Part of Outreach
Paddy Dewan, PhD MD FRACS FRCS
Chairman, Kind Cuts for Kids

→ 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
- Orchitis and perineal hypo in 8yo

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.

- **MIV Hypospadias Repair, The MAGPI Replacement**
  Jason Van Batavia, M.D.

- **Urethral Mobilisation and Partial Glanular Disassembly [VIDEO PRESENTATION 3669]**
  Antonio Macedo, M.D.

- **Two Stage Buccal Grafts and Primary Urethroplasty & Follow-Up**
  Rafael Gosalbez, M.D.

Discussion 15 minutes

Part 2:

- **Modified Ulaanbaatar Procedure**
  Rama Jayanthi, M.D.

- **The Ulaanbaatar Two Stage Hypospadias Procedure**
  Paddy Dewan PhD, M.D.

- **CEDU Procedure With Follow-Up From Live Surgery Workshops**
  Ahmed Hadidi, M.D.

- **2-stage proximal repair with long term follow-up**
  Peter Cuckow, M.D.

Discussion 15 minutes

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


- 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 (USA), Elizabeth Yerkes (USA), Daniela Gorduza (France), AF 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

  - Endocrine And Reproductive Outcome Of Men Born With Various Degrees Of Hypospadias
    Ann Francois Spinoit, M.D
    Ghent University Hospital

  - Glans Width In A Large Hypospadias Population
    Michael Sennert, M.D.
    Sana Klinikum Offenbach

  - Testosterone and Glans Width at CHOP
    Christopher J. Long, M.D.
    Children's Hospital of Philadelphia

→ 10 minutes discussion

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

12:45-13:00 Peter Cuckow – 2020 4th Annual Hypospadias World Congress - London

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)

- Why my paper was not accepted for publication?
  Tony Caldamone, M.D.

- Guidelines to write a sound hypospadias paper
  Luis H. Braga, M.D.

- Placing HIS on the map: online educational materials for families and surgeons
  Christopher Long, M.D.

- Parental decision making for hypospadias surgery
  Katherine Chan, M.D.

Discussion: 20 minutes

- Anatomy Of The Penis
  Peter Cuckow, M.D.

- Physiology of Erection
  Ibrahim Ulman, M.D.

- Database creation and collaboration in hypospadias surgery
  Nicolas Fernandez, M.D.

- Barriers to Implementing a Universal Documentation System in Hypospadias Evaluation and Surgery
  Melissa McGrath, BASc

Discussion: 20 minutes

Moderators: Emilie Johnson (USA), Anne Francoise Spinoit (Belgium)

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

17:00 Adjourn – See you all in London 2020!