



# Highlights Session

## Friday 24.6.16

Christa Strasser, Linz Austria

Young Paediatric Urology Committee

Department for Paediatric Urology Linz



# Programme Overview

- DSD
- Hypospadias 1
- Miscellaneous 2
- LUT Dysfunction
- Lecture on primary nocturnal enuresis
- LUT 2
- Lecture on reconstruction of cloacal malformations
- Panel: Complex reconstruction; coordinating of colorectal urological and gynecological goals
- Transplantation
- Laparoscopy/ Robotics
- Panel: Pyeloplasty: which approach?
- “My worst complications”

## ★ GLOBAL AND SEXUAL QUALITY OF LIFE IN 130 PATIENTS WITH MRKH SYNDROME: A COMPARATIVE STUDY BETWEEN SURGICAL VERSUS NON SURGICAL MANAGEMENT OF VAGINAL AGENESIS

*Alaa CHEIKHELARD<sup>1</sup>, Maud BIDET<sup>2</sup>, The MRKH FRENCH STUDY GROUP<sup>3</sup>, Magali VIAUD<sup>4</sup>, Michel POLAK<sup>5</sup> and Yves AIGRAIN<sup>6</sup>*

1 AP-HP, Hôpital Necker, Pediatric Surgery and Urology / National Reference Center for Rare Gynecological Disorders (PGR), Paris, FRANCE

2 AP-HP, Hôpital Necker, Pediatric Endocrinology and Gynecology / National Reference Center for Rare Gynecological Disorders, Paris, FRANCE

3 Multiple institutions, Pediatric Surgery and Urology / Gynecology, Multiple Cities, FRANCE

4 AP-HP, Hôpital Necker, National Reference Center for Rare Gynecological Disorders (PGR), Paris, FRANCE

5 AP-HP, Hôpital Necker AND Université Paris Descartes, Pediatric Endocrinology and Gynecology / National Reference Center for Rare Gynecological Disorders, Paris, FRANCE

6 AP-HP, Hôpital Necker AND Université Paris Descartes, Pediatric Surgery and Urology / National Reference Center for Rare Gynecological Disorders (PGR), Paris, FRANCE

N=130

Mean age 26,5years

more complications in surgery group

surgery is not superior to autodilatation

→surgery = 2<sup>nd</sup> line therapy (colon more complications?)

# CONGENITAL ADRENAL HYPERPLASIA(CAH):SURGICAL TIMING AND COMPLICATIONS, WITH OUTCOMES INCLUDING BODY IMAGE AND GENITAL SENSATION IN A COHORT STUDY

*Sonia GROVER<sup>1</sup>, Amanda MORRIS<sup>2</sup>, Marta BOGDANSKA<sup>2</sup>, Rocio VILLEGAS<sup>2</sup> and Yves HELOURY<sup>3</sup>*

1 Royal Children's Hospital, Dept Gynaecology, Melbourne, AUSTRALIA

2 Royal Children's Hospital, Gynaecology, Melbourne, AUSTRALIA

3 Royal Children's Hospital, Urology, Melbourne, AUSTRALIA

N=23

Retrospective: Outcome and timing of surgery

Prospective: Body image questionnaire

→ In early surgery (15months) complications rate /reoperation are low

→ Satisfaction with timing of surgery, body image and sensation was high

## PASSERINI-GLAZEL FEMINIZING GENITOPLASTY: WHAT HAPPENS AT PUBERTY?

*Silvia PECORELLI<sup>1</sup>, Arianna LESMA<sup>1</sup>, Aldo Massimo BOCCIARDI<sup>2</sup> and Francesco MONTORSI<sup>3</sup>*

1 IRCCS Ospedale San Raffaele, Urology, Milano, ITALY

2 Ospedale Niguarda Ca' Granda, Urology, Milano, ITALY

3 IRCCS Ospedale San Raffaele; Università Vita-Salute San Raffaele, Urology, Milano, ITALY

N=97

Early operation (10months)

Follow up 11 years

→92% no significant reintervention was needed

→vaginal stenosis is still common , can be repaired with minor surgery

## THE PREVALENCE AND CLINICAL FEATURES OF OCCULT SPINAL DYSRAPHISM IN CHILDREN WITH HYOSPADIAS

*Jong Soo LEE<sup>1</sup>, Byung Hoon CHI<sup>1</sup>, Yong Seung LEE<sup>2</sup>, Sang Woon KIM<sup>2</sup>, Sang Won HAN<sup>2</sup>, Seung Hyeon YANG<sup>3</sup>, Cho Nyeong LEE<sup>3</sup>, Yoon Hye JI<sup>3</sup>, Sang Hee SHIN<sup>3</sup>, Ji Hye HWANG<sup>3</sup> and Joo Hee CHON<sup>3</sup>*

1 Yonsei University College of Medicine, Urology, Seoul, REPUBLIC OF KOREA

2 Yonsei University College of Medicine, Urology, Urology, Seoul, REPUBLIC OF KOREA

3 Severance Children's hospital, Pediatric urology, Seoul, REPUBLIC OF KOREA

N=129

Occult spinal dysraphism in hypospadias patient  
20,9%

Back skin lesions in 25,9%

Higher prevalence in proximal hypospadias

→ Back US for every hypospadias patient??

## POSTPUBERTAL PENILE CURVATURE AFTER HYPOSPADIAS REPAIR DURING INFANCY

*Dor GOLOMB<sup>1</sup>, David BEN-MEIR<sup>1</sup>, Bezalel SIVAN<sup>1</sup> and Pinchas LIVNE<sup>2</sup>*

1 Schneider Children's Medical Center of Israel, Urology, Petach Tikvah, ISRAEL

2 Rambam Health Care Campus, Urology, Haifa, ISRAEL

N= 27 (14 skin release, 13 dorsal plication)

Recurrent penile curvature is common in postpubertal patients

→ Importance of transitional medicine, follow Ups in later life

## LEVELS OF EVIDENCE IN THE PAEDIATRIC UROLOGICAL LITERATURE

*Kathryn EVANS<sup>1</sup>, Nav JOHAL<sup>2</sup>, Naima SMEULDERS<sup>3</sup> and Imran MUSHTAQ<sup>3</sup>*

1 St George's Hospital, Paediatric Urology, London, UNITED KINGDOM

2 Great Ormond St Hospital, Urology, London, UNITED KINGDOM

3 Great Ormond St Hospital, Paediatric Urology, London, UNITED KINGDOM

N=647

No significant increase in papers of high level evidence

No association of higher level of evidence and journal's impact factor

# ★ THE INFLUENCE OF NITROUS OXIDE INHALATION ON VIDEO-URODYNAMICS IN CHILDREN

*Daphne ARNOLD<sup>1</sup>, An BAEL<sup>2</sup>, Tibaut DEBACKER<sup>1</sup>, Jean Jacques WYNDAELE<sup>3</sup> and Tom David VAN MEEL<sup>4</sup>*

1 ZNA Queen Paola Children's Hospital, Urology, Wilrijk, BELGIUM

2 ZNA Queen Paola Children's Hospital, Nephrology, Wilrijk, BELGIUM

3 University Hospital Antwerp, Urology, Edegem, BELGIUM

4 AZ Klina, Urology, Brasschaat, BELGIUM

N=165

Half life period ~5min

→ sedation with nitrous oxide do not alter  
bladder behaviour

# INTRADETRUSOR ABOBOTULINUMTOXIN A INJECTION IN PEDIATRIC LUTD PATIENTS – LONG TERM FOLLOW UP

*Yariv STABHOLZ, Bezalel SIVAN and David BEN MEIR*

Schneider Children's Hospital, Rabin Medical Center, Petah Tiqwa, Israel, Pediatric Urology, Petach Tikvah, ISRAEL

N=39

Idiopathic and neurogenic overactive bladder

Post- injection urodynamics showed improvement in bladder volume, compliance

→ highly effective with idiopathic over active bladder

## LAPAROSCOPIC PYELOPLASTY IN INFANTS YOUNGER THAN 6 MONTHS. A MULTI-INSTITUTIONAL EXPERIENCE

*Sergey BONDARENKO<sup>1</sup>, Vitaly DUBROV<sup>2</sup>, Ilya KAGANTSOV<sup>3</sup>, Nai AKRAMOV<sup>3</sup> and Andrey PODSHIVALIN<sup>4</sup>*

1 Regional Hospital 7, Pediatric Urology, Volgograd, RUSSIAN FEDERATION

2 2<sup>nd</sup> CHILDREN'S HOSPITAL,, Pediatric Urology, Minsk, BELARUS

3 Children's Republican Hospital, Pediatric Urology, Syktyvkar, RUSSIAN FEDERATION

4 Children's Republican Hospital, Pediatric Surgery, Kazan, RUSSIAN FEDERATION

N=185

Age 3,2 months (10d-6 mo), mean weight 6,7kg

Urine drainage in all patients

Overall success rate in 98,4%

→laparoscopic pyeloplasty is feasible

# Lecture: 'Reconstruction of cloacal malformations'

*Marc Levitt (USA)*

New born assessment and interventions  
drainage of hydrocolpos,  
in some patients only vesicostomy not helpful  
3 months later ?

Planning for reconstruction  
Radiological examination!!!  
preoperative in severe cases: endoscopic evaluation,  
cloaco-gramm

Definitive repair  
posterior sagittal plus/minus laparotomy  
mobilization



## **Panel: 'COMPLEX RECONSTRUCTION; COORDINATING OF COLOCTERAL, UROLOGIC AND GYNECOLOGIC GOALS'**

*Moderator: Ram Subramaniam (UK)*

*Panelists: Yves Aigrain (France), Ivo de Blaauw (Netherlands), Marc Levitt (USA)*

Individual operating strategies depended on length of common channel und urethra (posterior approach, mobilization...)

Multimodal approach!

# Panel: PYELOPLASTY: WHICH APPROACH? ROBOTIC, LAPAROSCOPIC, OR SIMPLY OPEN?

*Moderator: G. Manzoni (Italy), Panelists: Alaa El Ghoneimi - Laparoscopy (France), Henning Olsen - Robotics (Denmark), Anthony Caldamone - Open Surgery (USA)*

Operating time: Longer cumulative duration  
anaesthetic exposure → influence cognition  
and brain structure

Costs

Wound “Incisions do not simply sum”

**SP3-4 – Laparoscopic ureteropyelostomy in duplex system: be careful with the lower segment ureter**

*Radim Kocvara*

Dissection of lower pole ureter during preparation

**SP3-5 – Glans necrosis after multi-operated hypospadias**

*Pierre Mouriquand*

“swiss cheese model”

Thank you for your Attention!