

South African Urological Association Meeting



and

Tygerberg Hospital Teaching

September 2018

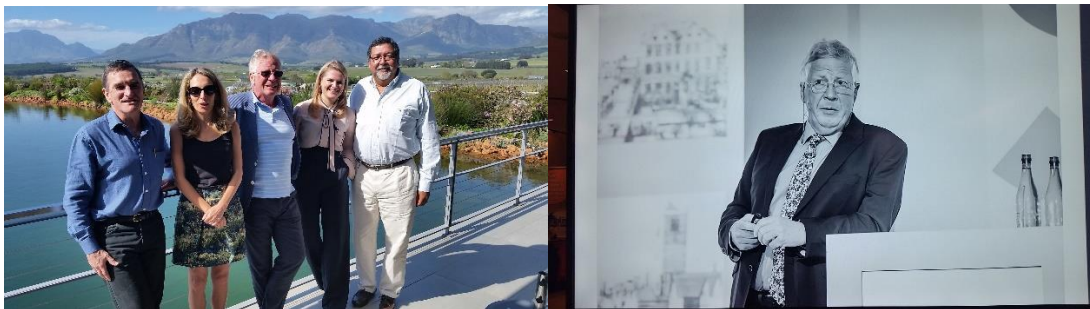


Introduction

This is the 10 visit of a Kind cuts for Kids team to South Africa, during which the biennial South African Urological Association meeting was attended and assistance with clinical care was facilitated. The confer. The visit resulted from an invitation to invite Paddy Dewan, as a visiting Professor, to the conference and subsequent teaching at the Tygerberg Hospital, in the University of Stellenbosch.

South Africa Urological Association Congress

The Urological congress was at the Spier Resort, run by the Urology Department of the Stellenbosch University, and included plenary lectures, invited lectures, panel discussions, debates and workshops. A very pleasing aspect of the meeting was a willingness to raise controversial subjects and to include topics some of which were third world and others that were very much first world issues. Invited speakers including USA, German, French and other international experts.



Professor Dewan is seen at lunch with Stella Ivaz, Professor Tony Mundy urological colleagues from the Ukraine and Portugal.



The conference involved three days of concurrent sessions and was preceded by a series of workshops. As always, the socialization was part of the educational exchange

Kind Cuts for Kids Conference Contribution

As an invited speaker, Professor Paddy Dewan presented three papers and contributed a management concept during the chairing of a session on the penile anomaly of hypospadias.

The particular points made during the presentations were:

1. Time efficient hernia repair in children.
2. Percutaneous assisted incision of a ureterocele, which is a cystic dilatation of the end of the ureter.
3. Decision making made easier through a jigsaw puzzle approach to understanding in the urinary tract of children.
4. Using a tunneling technique in selected instances of penile reconstruction in boys.
5. Lessons learnt from mismanaged cases, including:
 - a. Failure to diagnose congenital urethral obstruction.
 - b. Failure to diagnose a complication of surgery on the penis.
 - c. Incontinence caused by misadventure in incision of a urethral obstruction.

Clinical Work at Stellenbosch

Lessons taught during the the clinical cases and surgery included:

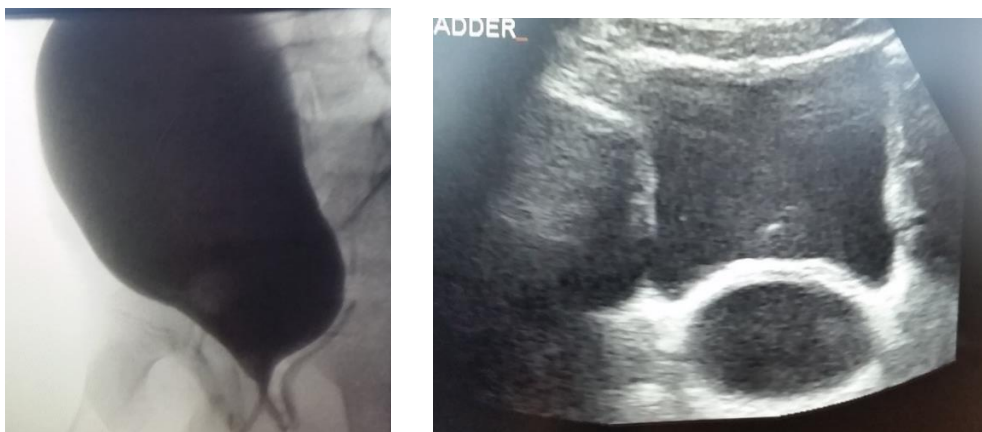
- a. Urethral stricture over a guide-wire.
- b. Urodynamics with minimal equipment.
- c. Synechia as a cause of restriction of bladder volume.
- d. Excision of a bladder synechia.
- e. Using a metal-stylet ureteric catheter for intravesical coagulation.
- f. Failure to diagnose a complication of surgery on the penis.
- g. Incontinence caused by misadventure in incision of a urethral obstruction.
- h. Antegrade cannulation of the urethra using IV cannula and guide-wire.
- i. Autoaugmentation of the bladder – peeling back the muscle.
- j. Demucosalisation of sigmoid colon – microdissection of the colonic lining.
- k. Performance of a ureterocalycostomy – joining the ureter to the hollow kidney when unable to bypass an obstruction in the usual fashion.
- l. The appropriate minimal incision for hernia repair in children was reiterated.
- m. That posterior urethral obstruction is a membrane not due to two valves.
- n. That maximal visual certainty is required during ablation of any obstruction of the posterior urethral obstruction.
- o. The appropriateness of the use of needle point tips for diathermy dissection.

The equipment needs of Tygerberg Hospital are highlighted by the request for a new cystoscope, an instrument essential to the appropriate care of the Paediatric Urinary tract.

The diathermy tips for the more precise dissection of tissue in surgery was provided to the surgeons, and one was used during the procedure that separated the mucous lining from the piece of colon used to enlarge a boy's bladder; the bowel muscle was used to cover the outer raw surface of the bladder that had the muscle layer bivalved, in an operation known as autoaugmentation demucosalised colocolocystoplasty. One of the advantages of the procedure is shown in the photo of the urine bag the day after surgery. Despite the prolonged operation on the bladder the photo shows virtually no blood in the bladder catheter. Notably, the catheter bag was also a Kind Cuts for Kids donation. The photos are of the Hospital, the medical students in theatre and the urine bag the day after surgery.



The images of this girl show a very large bladder and a vaginal cavity behind her bladder. The unfortunate teenager had fractured her pelvis in a motor vehicle accident that markedly damaged her vagina, resulting in her voiding into her vagina though an traumatic connection. Surgery to the perineum has resolved the situation, but the discussion identified an easier technique to ensure less problematic identification of the opening of the urethra in a scarred perineum in future case.



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Also, the 10 Paediatric Urology posters were judged for the Kind Cuts for Kids prize the winner being Dr Nathan Poppleton from the University of the Witwatersrand, Johannesburg, headed by Professor Ahmed Adam. The award of 5000 Rand was presented at the Gala dinner, with a Koala included as part of the prize. The money is to be deposited in the South African Association account for payment of education/conference fees of the recipient.

