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PEDIATRIC UROLOGY

CONGENITAL URINARY TRACT ABNORMALITIES

Patient Information Series

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Hi

Have you heard of defect in the child’s kidneys during the development stage inside the mother womb? It is called Congenital urinary tract abnormalities.

Congenital urinary tract abnormalities,

Is a disease which affect kidney, urinary bladder, external genitalia during early stage of pregnancy.

About

10% children are born with congenital kidney diseases

Its in family,

When other child is affected by congenital urinary tract abnormalities, there is higher risk of occurring in the next child

It causes

Damage to growing kidney and lung development and later leads to renal failure

Congenital disease can be:

- Urinary tract infection
- Antenatal hydronephrosis (swelling of kidneys on pregnancy scan)
- Undescended testis (abnormal position of testis)
- Testicular torsion (rotated testis causing severe pain)
- Testicular cysts or tumours
- Tight foreskin or phimosis
- Hypospadias (abnormally placed urinary opening)
- Posterior urethral valves
- Vesico-ureteric reflux
- Pelviureteric junction obstruction (primary megaureter)
- Intersex (abnormal sex organs)
- Duplex system (or double ureters)
- Ectopic ureters (abnormal drainage of kidneys)
- Cystic kidney diseases
- Calculus disease (stones in kidney, bladder)
- Epispadias
- Prone belly syndrome
- Ureterocele
- Stricture urethra
- Genital injuries
- Horseshoe kidney
- Absent kidney or renal agenesis

On pediatric urology

Pediatric urology is a highly specialized branch of medicine which deals with surgical diseases of genitourinary system (kidneys, ureters, bladder, sexual & reproductive organs) in children from newborn age to 15 years of age

Difference between pediatric and adult urology

- Pediatric urological disorders are very different from adult urological disorders as most of these problems are congenital (present from birth or birth defects) in nature.
- The way the kids respond to medicines and surgery is also different to adults.
- Decision making is the key concept of pediatric urology-which diseases to operate and when to operate is the most important factor. Advances in technology and instrumentation have led to more and more laparoscopic and endoscopic surgeries in children.
- The basic issue in a pediatric urologist mind is not to harm the child by doing unnecessary surgery. Also if surgery is required an operation which will give best long term results should be provided with shorter and less painful hospitalization.

Your child requires a check up if

- Slow stream of passing urine
  - Yes
  - No
- Intermittent stream
  - Yes
  - No
- Cries / pain while passing urine
  - Yes
  - No
- Fever with pus in urine
  - Yes
  - No
- Absence of testis on one or both sides
  - Yes
  - No
- Ballooning of foreskin of penis / unable to retract the skin
  - Yes
  - No
- Blood in urine
  - Yes
  - No
- Testicular swelling or pain
  - Yes
  - No
- Abnormally placed urinary opening / abnormal looking private parts
  - Yes
  - No
- Pregnancy (antenatal) ultrasound showing urinary system abnormalities
  - Yes
  - No

If “Yes” to any of the above, consult your trusted “Pediatric Urology Consultants” immediately.