

URINARY INCONTINENCE IN CHILDREN PRESENTING AS A RARE EMERGENCY - ACQUIRED CONSTRICTION RING SYNDROME (ACRS) OF PENIS

Hypothesis / aims of study

Penile constriction by a thread or hair, also called penile tourniquet syndrome, is a rare emergency situation that can lead to a wide range of vascular and soft tissue injuries. We report two cases of Penile Acquired Constriction Ring Syndrome (ACRS) in children troubled with urinary incontinence.

Study design, materials and methods

We present two cases of ACRS troubled with urinary incontinence treated over a period of 2 years.

Results

The first patient was 8-years old boy who presented with pain and swelling of penis and difficulty in micturition. Interrogation revealed that the child was bothered with nocturnal enuresis and hence he tied a thread around the penis which caused partial circumferential amputation of distal penis. Constricting ring was cut and primary repair of wound done. The second patient was 6 years circumcised boy who had posterior urethral valve and was planned for valve fulguration. During cystoscopy, obstruction was noticed in urethra at the level of coronal sulcus and on examination a tight constricting ring of hair was noticed causing ventral ulceration. Later child revealed that he tied hair around penis because he was troubled due to urinary incontinence. After removal of constricting ring posterior urethral valve fulguration was done.

Interpretation of results

We describe a rare problem of constriction ring that was applied by children to avoid urinary incontinence and devastating sequelae.

Concluding message

Penile strangulation is a urologic emergency with potentially severe clinical consequences. High suspicion index is needed for early diagnosis and treatment.

Disclosures

Funding: None **Clinical Trial:** No **Subjects:** HUMAN **Ethics not Req'd:** we are presenting case series of two children that were managed by standard management. **Helsinki:** Yes **Informed Consent:** Yes