PREPARING FOR THE UNEXPECTED, SUPPORTING THE VULNERABLE!

## IN THE NAME OF GOD















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## DYSFUNCTIONAL ELIMINATION SYNDROME (DES)















#### **KIDNEY HEALTH FOR ALL** PREPARING FOR THE UNEXPECTED, SUPPORTING THE VULNERABLE!



## NORMAL VOIDING







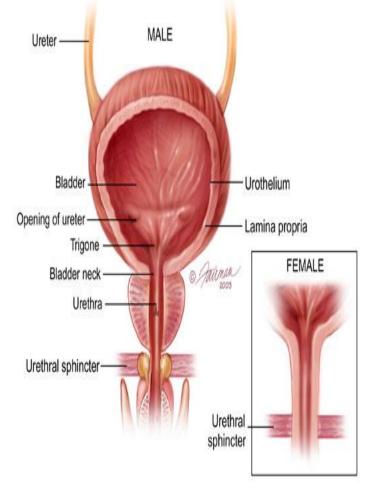












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- Normal Peripheral and CNS Function
- Normal Neurodevelopmenta 1 Status
- Normal Urodynamic **Function** 
  - Normal Perception of Bladder Fullness









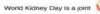
### **Bladder control**

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- At age 5 approximately 15% of children still wet the bed
- This decreases by 1-2% per year until the age of 18
- 1% persists beyond 18 years of age
  - 2-3 times more common in boys than girls











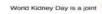


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- The major relay center between the brain and the bladder
- What is the function of the pons?
  - Coordinating the activities of the urinary sphincters and the bladder so that they work in synergy
- What is the specific anatomic location?
  - Pontine micturition center
  - The PMC coordinates the urethral sphincter relaxation and detrusor contraction to facilitate urination

















## Definition

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> SYNDROME WITH INCLUSIVE CATEGORIZATION OF ALL FUNCTIONAL BLADDER, SPHINCTERIC AND GASTROINTESTINAL DISORDERS THAT PATHOLOGICALLY AFFECT THE PEDIATRIC URINARY TRACT TWO GROUP:

> > 1-HARMFUL 2- HARMLESS

















## GROUP 1

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- 1) Hinmans syndrome
- 2)Unstable bladder
- 3)Infrequent voiding
- syndrome
- 4) Functional bowel disturbances















## GROUP 2

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- 1) Giggle incontinence
- 2) Post-void dribbling
- 3) Daytime time urinary frequency syndrome
- 4) Nocturnal enuresis















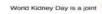
## DYSFUNCTIONAL ELIMINATION

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- Prevalence approximately 15% (Hellstrom et al. 1991)
- Overlooked factor in pediatric UTIs
- 40% of toilet trained with 1st UTI
- 80% with recurrent UTI
- Risk factor for VUR and renal scarring















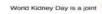
## DYSFUNCTIONAL ELIMINATION

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> •Children rated wetting themselves at school as the third most catastrophic event behind losing a parent and going blind.















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-Hinman-Allen Syndrome

-Unstable Bladder

Infrequent Voiding Syndrome

-Functional Bowel Disturbance

Extraordinary urinary frequency









-آآیا فرزند شما درطی روز درلباس خود ادرارمی کند؟ خیر بعضی وقتها یک یا دوبار در روز همیشه -2اگرجواب شما به سئوال اول مثبت است شدت آن چقدر است؟ فقط لباس زیرنمناک میشود شلواروی هم کمی مرطوب میشود لباس زیروشلوار کاملاً خیس میشوند -آیا فرزند شما شب ادراری دارد؟

ای فرزند شده شب شرای دارد: ر یک تا دو شب در هفته شش تا هفت شب در هفته شش تا هفت شب در هفته

> ــــــاگرجواب شما به سئوال سوم مثبت است شدت آن چَقر است؟ فقط لباس زیرنمناک میشود

-5فرزند شما چند بار در طی روز ادر ار می کند؟

-وفررند سما چند بار در طی روز آدرار می دند: کمتر از هفت بار

-6 آیا فرزند شما درطی ادر ارکردن به خود فشارمی آورد) در موقع ادر ار زورمی زند؟ (؟

-7آیا فرزند شما در طی ادر ار کردن احساس درد می کند؟

- 9 آیا فرزند شما بلافاصله پس از تخلیه ادر ار، مجدداً احساس دفع ادر ار دارد؟

خبر به پان کا در الله

ب -10آیا فرزند شما احساس دفع ادر اربه صورت ناگهانی و غیرقابل اجتناب دارد )نگه داشتن ادر اربرای وی ممکن نباشد(؟

خیر -11آیا فرزند شما ادر ارش را بیش از حد نگه می دارد)با فشردن پاها روی هم ویا این پا و آن پا کردن و(...؟

> خیر -12آیا فرزند شما در راه دستشوئی خود را خیس می کند)نتواند ادرار خود را کنترل کند(؟

-122 بررے مند در راہ مستوی خود رہ میں سی سے خور سود در مرد سری سر خیر بله

-13 آیا ممکن است فرزند شما هرروزدفع مدفوع نداشته باشد)یبوست داشته باشد(؟

-12 - هاتنر صور تیکه فرزند شما یک یا چند نشانه از علائم فوق را دارا می باشد آیا این مسئله زندگی خانوادگی ،اجتماعی و وضعیت تحصیلی وی را تحت تاثیر قرار داده است ؟

نماعی و وضعیت تحصیلی وی را تحت نامیر فرار داده است ؟ یر بعضی اوقات بله تحت تاثیر قرار داده بله به شدت تحت تاثیر قرار داده

**PLUTSS** 

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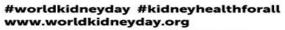
#### KIDNEY HEALTH FOR AL PREPARING FOR THE UNEXPECTED

SUPPORTING THE VULNERABLE!



با توجه به شيوع نسبتاًبالاي اين **PLUTSS** 

اسکرین شده ،موارد مبتلا درمان شوند.















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# Any Question?

















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## THANK YOU





















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