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For appointments or to speak with a Urologist at the CHOC Children's Urology Center, please call 888-770-2462

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Resources used in development of these Referral Guidelines:

- 1. Subcommittee on Urinary Tract Infection, Steering Committee on Quality Improvement and Management, Roberts KB. Urinary tract infection: clinical practice guideline for the diagnosis and management of the initial UTI in febrile infants and children 2 to 24 months. Pediatrics. 2011. pp. 595–610.**
- 2. Tasian GE, Copp HL. Diagnostic performance of ultrasound in nonpalpable cryptorchidism: a systematic review and meta-analysis. Pediatrics. 2011 Jan;127(1):119–28.**
- 3. Canning DA. Re: Diagnostic performance of ultrasound in nonpalpable cryptorchidism: a systematic review and meta-analysis. J. Urol. 2012 Apr;187(4):1434.**

Refer to CHOC Children's Urology when:

Pre-referral Workup/Recommendations

A. Balanitis [ICD-10 Code: N48.1]

- Refractory to supportive measures
- Associated with urinary tract infections

- ▶ None required
- ▶ Culture & Sensitivity (C&S) and Urinalysis
 - * Urine to be obtained via catheterized specimen or midstream urine if toilet-trained.

B. Bladder Stones [ICD-10 Code: N21.0]

- Any pediatric patient with urolithiasis

- ▶ [See Urology Stones Algorithm](#)

C. Circumcision (elective) [ICD-10 Code: Z41.2]

- As per family request

- ▶ None required

D. Cloacal Anomaly [ICD-10 Code: Q64.12]

- Any variant when diagnosed

- ▶ None required

E. Congenital Adrenal Hyperplasia [ICD-10 Code: E25.*]

- Refer to Endocrinology (714) 509-8634 for acute crisis.
- Presence of any genital anomalies

- ▶ None required

F. Congenital Cystic Kidney [ICD-10 Code: Q61.*]

- Any type of cystic kidney disease

- ▶ Bring copy of ultrasound images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ Urinalysis
- ▶ Blood pressure

Refer to CHOC Children's Urology when:

Pre-referral Workup/Recommendations

G. Duplicated Collection System [ICD-10 Code: Q63.*]

- Any associated hydronephrosis/hydroureter
- Any lower urinary tract anomalies

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.

* Ultrasound not required. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.

H. Dysfunctional Voider [ICD-10 Code: R39.19]

- Refractory to timed voiding AND treatment of constipation

- ▶ [Voiding diary](#) (for 2 separate days)

- ▶ [Stooling diary](#) (for 1 week)

I. Dysuria [ICD-10 Code: R30.0]

J. Dysuria (psychogenic) [ICD-10 Code: F45.8]

- Refractory to supportive measures

- ▶ None required

K. Fistula (urethrocutaneous) [ICD-10 Code: N36.0]

- Any type when diagnosed

- ▶ None required

L. Frequency [ICD-10 Code: R35.0]

- Refractory to treatment of constipation (if present)

- ▶ [Voiding diary](#) (for 2 separate days)

- ▶ [Stooling diary](#) (for 1 week)

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Refer to CHOC Children's Urology when:

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M. Hematuria (gross) [ICD-10 Code: R31.0]

- Any type of gross hematuria

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ Blood pressure
- ▶ Complete Blood Count (CBC) including renal function panel

N. Hematuria (microscopic) [ICD-10 Code: R31.*]

- Persistent on 3 urinalyses on 3 different occasions

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ Blood pressure
- ▶ Complete Blood Count (CBC) including renal function panel

O. Hernia (inguinal) [ICD-10 Code: K40.*]

- Any degree hernia

- ▶ None required

P. Hidden Penis [ICD-10 Code: Q55.64]

- Any hidden penis (also "buried" or "concealed" penis)

- ▶ None
- ▶ Do not offer circumcision.

Refer to CHOC Children's Urology when:

Pre-referral Workup/Recommendations

Q. Hydrocele [ICD-10 Code: N43.*]

- Communicating
- Large
- Persists after 3 months of life

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound not required. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ If large, do not offer circumcision.

R. Hydronephrosis [ICD-10 Code: N13.*]

- Bilateral (any grade)
- Associated with UTI

- ▶ Physical Exam

S. Hydronephrosis (congenital) [ICD-10 Code: Q62.0]

- Unilateral (if worse than mild)
- Diameter greater than 5mm
- Associated with UTI

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.

T. Hypospadias (male) [ICD-10 Code: Q54.*]

- Any degree of hypospadias

- ▶ None required (Sickle cell screen? History of bleeding diathesis?)
- ▶ Do not offer circumcision

U. Incontinence (urine - non-specific) [ICD-10 Code: R32]

- Persistent (primary - for age greater than 4yrs)
- New onset (secondary - after successful toilet training)

- ▶ [Voiding diary](#) (for 2 separate days)
- ▶ Initiate treatment of constipation (if present)
- ▶ [Stool Diary](#) (for 1 week)

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Refer to CHOC Children's Urology when:

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V. Kidney Stones [ICD-10 Code: N20.0]

- Any pediatric patient with urolithiasis

▶ [See Urology Stones Algorithm](#)

W. Labial Adhesions [ICD-10 Code: Q52.9]

- If associated with urinary tract infections or incontinence
- Refractory to topical steroid (6 weeks)

▶ None required

X. Meatal Stenosis [ICD-10 Code: N35.*]

- With any lower urinary tract symptoms
- Upward deviated stream
- Urinary tract infections

▶ None required

Y. Megaureter [ICD-10 Code: N28.82]

- Unilateral - Any degree of hydroureter
- Bilateral - Any degree of hydroureter

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ Culture & Sensitivity (C&S) and Urinalysis (if present with infections)
 - * Urine to be obtained via catheterized specimen or midstream urine if toilet-trained.
- ▶ Lasix scan (ordered by CHOC Urology Center as needed)

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Refer to CHOC Children's Urology when:

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Z. Megaureter (congenital) [ICD-10 Code: Q62.2]

- Unilateral - Any degree of hydroureter
- Bilateral - Any degree of hydroureter

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ Culture & Sensitivity (C&S) and Urinalysis (if present with infections)
 - * Urine to be obtained via catheterized specimen or midstream urine if toilet-trained.
- ▶ Lasix scan (ordered by CHOC Urology Center as needed)

A1. Micro Penis [ICD-10 Code: Q55.62]

- Penile length less than 2cm

- ▶ None

B1. Multi Cystic Dysplastic Kidney [ICD-10 Code: Q61.8]

- Any type of MSDK

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ Urinalysis
- ▶ Blood pressure

C1. Neonatal Circumcision [ICD-10 Code: Z41.2]

- As per family request

- ▶ None required

Refer to CHOC Children's Urology when:

Pre-referral Workup/Recommendations

D1. Neurogenic Bladder [ICD-10 Code: N31.*]

- Any degree of neurogenic bladder

- ▶ Voiding Cysto-Urethrogram (VCUG)
- ▶ Ultrasound not required
 - * If needed, ultrasound will be performed in CHOC Urology Center
- ▶ [Voiding diary](#) (for 2 separate days)
- ▶ [Stool Diary](#) (for 1 week)
- ▶ Initiate treatment of constipation. (if present)

E1. Nocturnal Enuresis [ICD-10 Code: N39.44]

- Persistent beyond age of 7 years (primary)
- New onset (secondary - after successful toilet training)

- ▶ [Voiding diary](#) (for 2 separate days)
- ▶ [Stool Diary](#) (for 1 week)
- ▶ Initiate treatment of constipation. (if present)

F1. Paraphimosis [ICD-10 Code: N47.*]

- **Emergent: Pg. CHOC Pediatric Urologist on call:
714-509-3919**

- ▶ None required

G1. Penile Adhesions [ICD-10 Code: N47.5]

- Any penile adhesions
- Refractory to topical steroid used for 3-4weeks
- Postoperative (after circumcision)

- ▶ None

Refer to CHOC Children's Urology when:

Pre-referral Workup/Recommendations

H1. Penile Curvature [ICD-10 Code: Q55.61]

- Any penile curvature resulting in reduction of function
- Penile curvature with associated symptoms
- Significant penile curvature

▶ None

I1. Phimosis [ICD-10 Code: N47.1]

- Associated with Balanitis/Balanoposthitis
- Refractory to topical steroid (3-4 weeks)
[Phimosis Cream Application Instructions \(PDF\)](#)

▶ None required

J1. Posterior Urethral Valves [ICD-10 Code: Q64.2]

- **Emergent: Insert urethral catheter**
- **Pg. CHOC Pediatric Urologist on call:
714-509-3919**

▶ Bring copy of Voiding Cysto-Urethrogram (VCUG) to CHOC Urology Center visit.

* VCUG should not delay referral to CHOC Urology. If needed, VCUG can be performed in CHOC Urology Center at time of visit.

▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.

* Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.

K1. Pyelonephritis [ICD-10 Code: N12]

- Associated with ANY abnormalities on imaging

▶ Bring or send all lab results. (if available)

▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.

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Refer to CHOC Children's Urology when:

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L1. Solitary Kidney [ICD-10 Code: Q60.*]

- Associated with ANY abnormalities on imaging

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ [Voiding diary](#) (for 2 separate days)
- ▶ Initiate treatment of constipation (if present)
- ▶ [Stool Diary](#) (for 1 week)

M1. Spina Bifida (occulta) [ICD-10 Code: Q76.0]

- Any variant when diagnosed
- If presents with upper or lower urinary tract pathology

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ [Voiding/catheterization diary](#) (for 2 separate days)
- ▶ [Stool Diary](#) (for 1 week)

N1. Testicular Pain [ICD-10 Code: R10.2]

O1. Testicular Pain (psychogenic) [ICD-10 Code: F45.42]

- When refractory to supportive measures

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
- ▶ Scrotum ultrasound
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.

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Refer to CHOC Children's Urology when:

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P1. Torsion [ICD-10 Code: N44.0*]

- **Emergent: Pg. CHOC Pediatric Urologist on call:
714-509-3919**

▶ None

Q1. Undescended Testis [ICD-10 Code: Q53.*]

- At time of diagnosis

▶ Ultrasound not required

* If needed, ultrasound can be performed in CHOC Urology Center.

R1. Urachal Remnant [ICD-10 Code: Q64.4]

- Any when diagnosed

▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.

* Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.

S1. Ureteral Stones [ICD-10 Code: N20.1]

- Any pediatric patient with urolithiasis

▶ [See Urology Stones Algorithm](#)

T1. Ureterocele [ICD-10 Code: Q62.31]

- Any type of ureterocele

▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.

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Refer to CHOC Children's Urology when:

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U1. Ureteropelvic Junction (UPJ) Obstruction [ICD-10 Code: Q62.11]

- Any degree when diagnosed

- ▶ Lasix Renal Scan
- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.

V1. Urethral Stones [ICD-10 Code: N21.1]

- Any pediatric patient with urolithiasis

- ▶ [See Urology Stones Algorithm](#)

W1. Urethral Stricture (trauma) [ICD-10 Code: N35.0*]

- Any when diagnosed

- ▶ None required

X1. Urinary Retention [ICD-10 Code: R33.8]

- After any episode of prolonged urinary retention

- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ [Voiding diary](#) (for 2 separate days)
- ▶ Initiate treatment of constipation (if present)
- ▶ [Stool Diary](#) (for 1 week)

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Y1. Urinary Tract Infection [ICD-10 Code: N39.0]

- Recurrent, non-febrile
- After first febrile UTI
- Any UTI with evidence of upper tract abnormality on ultrasound

- ▶ Urinalysis
- ▶ Culture & Sensitivity (C&S)
 - * Urine to be obtained via catheterized specimen or midstream urine if toilet-trained.
- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ [Voiding diary](#) (for 2 separate days)
- ▶ Initiate treatment of constipation (if present)
- ▶ [Stool Diary](#) (for 1 week)

Z1. Varicocele [ICD-10 Code: I86.1]

- Symptomatic
- Grade 2-3
- If associated with difference in testicular size

- ▶ Scrotal ultrasound
 - * Ultrasound will be performed in CHOC Urology Center if needed.

Refer to CHOC Children's Urology when:

Pre-referral Workup/Recommendations

- A2. Vesicoureteral Reflux [ICD-10 Code: N13.7*]
- B2. Vesicoureteral Reflux (bilateral) [ICD-10 Code: N13.7*]
- C2. Vesicoureteral Reflux (nephropathy) [ICD-10 Code: N13.7*]
- D2. Vesicoureteral Reflux (unilateral) [ICD-10 Code: N13.7*]

- Any degree of reflux

- ▶ Bring copy of Voiding Cysto-Urethrogram (VCUG) to CHOC Urology Center visit.
 - * VCUG should not delay referral to CHOC Urology. If needed, VCUG can be performed in CHOC Urology Center at time of visit.
- ▶ Bring copy of ultrasound and any other images to CHOC Urology Center visit.
 - * Ultrasound should not delay referral to CHOC Urology. If needed, ultrasound can be performed in CHOC Urology Center at time of visit.
- ▶ Culture & Sensitivity (C&S)
 - * Urine to be obtained via catheterized specimen or midstream urine if toilet-trained.
- ▶ Blood pressure

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