# Children's Nephrology Clinic



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## **Clinic information**

Office hours: Monday-Friday, 8:30 a.m.-4:30 p.m.

Main office number: 512-628-1860

Fax number: 512-628-1831

24-hour physician line: 512-323-5465

Regardless of location, please use the pediatric nephrology main office number to reach our staff.

# **Common indications for referral**

Indication	Proteinuria
ICD-10 code	Proteinuria (R80.9)
Findings	Definition: Dipstick urine protein > 1+ on more than 2 occasions
Evaluation	<ul> <li>Random urine protein to creatinine ratio (abnormal value is &gt; 0.2)</li> <li>Early morning urine protein to creatinine ratio (abnormal value is &gt; 0.2)</li> <li>Consider: Serum chemistry panel including electrolytes, BUN, creatinine, and albumin</li> </ul>
Treatment	Hydrate and repeat the urine test with quantification, preferably an early morning sample
Red flags	<ul> <li>&gt;3-4+ protein on more than 2 urine samples</li> <li>Urine protein/creatinine ratio &gt; 2 with signs of edema</li> <li>Oliguria</li> </ul>
Referral timeframe	<ul> <li>Routine consults should be seen in less than 4 weeks</li> <li>For red flag symptoms, contact the pediatric nephrologist on-call through Medlink</li> </ul>
Additional information	Fax the following items to 512-628-1831  • Growth chart  • Vitals  • Last clinic note  • Medication list  • Renal sonograms results and images (only if done previously)

Indication	Hematuria
ICD-10 codes	Hematuria (R31.9)
Findings	Definition: Blood on urine dipstick which is confirmed with urine microscopy (>3-5 RBC/hpf)
Evaluation	<ul> <li>Urinalysis with microscopy</li> <li>Consider: <ul> <li>Urine culture</li> <li>Serum chemistries, including electrolytes, BUN, creatinine, and albumin</li> <li>Renal and bladder ultrasound (if hematuria is persistent)</li> </ul> </li> </ul>
Treatment	Hydrate and repeat test with urine microscopy
Red flags	<ul> <li>Cola-colored urine</li> <li>Oliguria</li> <li>Hypertension</li> <li>Peripheral edema (or unexplained weight gain)</li> <li>Abnormal renal function tests</li> </ul>
Referral timeframe	<ul> <li>Routine referrals will be seen in less than 4 weeks</li> <li>For red flag symptoms, contact the pediatric nephrologist on-call through Medlink</li> </ul>
Additional information	Fax the following items to 512-628-1831  • Growth chart  • Vitals  • Clinic notes  • Medication list  • Abdominal images (if available)

Indication	Abnormal renal sonogram
ICD-10 codes	Abnormal renal sonogram (R93.41)
Findings	Hydronephrosis, pelviectasis, abnormal renal sizes, increased echogenicity of kidney and cysts in the kidney
Evaluation	<ul> <li>Blood pressure in upper extremity</li> <li>Renal and bladder ultrasound</li> <li>Urinalysis</li> <li>Urine protein and creatinine</li> <li>Serum chemistries, BUN, creatinine, and albumin</li> </ul>
Treatment	None
Red flags	<ul><li>Abnormal renal function</li><li>Hypertension</li><li>Oliguria</li></ul>
Referral timeframe	<ul> <li>Routine referrals will be seen in less than 4 weeks</li> <li>For red flag symptoms, contact the pediatric nephrologist on-call through Medlink</li> </ul>
Additional information	Fax the following items to 512-628-1831  • Growth chart  • Vitals  • Clinic notes  • Medication list  • Ultrasound images

Indication	Elevated blood pressure
ICD-10 codes	Elevated blood pressure (RO3.0)
Findings	<ul> <li>Elevated blood pressures &gt; 1 yr</li> <li>Stage 1 hypertension &gt; 3 months</li> <li>Stage 2 hypertension &gt; 1 week or symptomatic</li> <li>(Refer to definitions in the table below)</li> </ul>
Evaluation	<ul> <li>3 blood pressure readings 15 mins apart in an upper extremity</li> <li>4 extremity blood pressures</li> <li>BP logs, if available</li> <li>Urinalysis with microscopy</li> <li>For children with obesity, stage 1 HTN, or stage 2 HTN: obtain serum labs including electrolytes, BUN, creatinine, and albumin, lipid profile, and HbA1c</li> <li>For children less than 6 yrs old, obtain renal ultrasound</li> </ul>
Treatment	Lifestyle modification and low-salt diet counseling, weight management
Red flags	<ul> <li>Headaches</li> <li>Vision disturbance</li> <li>Peripheral edema</li> <li>Oliguria</li> <li>Shortness of breath</li> </ul>
Referral timeframe	<ul> <li>Routine referrals will be seen within 2-4 weeks</li> <li>For red flag symptoms, contact the pediatric nephrologist on-call through Medlink</li> </ul>
Additional information	Fax the following items to 512-628-1831  • Growth chart  • Vitals  • Clinic notes  • Medication list  • Abdominal images (if obtained)

Updated definitions of BP categories and stages	
For children age 1-13 years	For children age >13 years
Normal BP: <90th percentile	Normal BP: <120/<80 mm Hg
Elevated BP: >90th percentile to <95th percentile or 120/80 mm Hg to <95th percentile (whichever is lower)	Elevated BP: 120/<80 to 129/<80 mm Hg
Stage 1 HTN: ≥95th percentile to <95th percentile + 12 mmg, or 130/80 to 139/89 mm Hg (whichever is lower)	Stage 1 HT: 130/80 to 139/89 mm Hg
Stage 2 HTN: >95th percentile + 12 mm Hg, or >140/90 mm Hg (whichever is lower)	Stage 2 HT: >140/90 mm Hg

Indication	Kidney stones
ICD-10 codes	Kidney stones (N20.0)
Findings	Calcification in kidney or stones
Evaluation	<ul><li> Urinalysis</li><li> Urine calcium to creatinine</li><li> Urine culture</li><li> Renal sonogram</li></ul>
Treatment	Increase hydration, low-salt intake, and use pain medications (if needed)
Red flags	Fever
Referral timeframe	<ul> <li>Routine referrals should be seen in less than 4 weeks</li> <li>For red flag symptoms, contact the pediatric nephrologist on-call through Medlink</li> </ul>
Additional information	Fax the following items to 512-628-1831  • Growth chart  • Vitals  • Clinic notes  • Medication list  • Abdominal images

Indication	Electrolyte abnormalities
ICD-10 codes	Electrolyte abnormalities (E87.8)
Findings	Abnormalities in sodium (< 130 or > 145 mmol/L), potassium (< 3 or > 5.5 mmol/L), bicarbonate (< 16 or > 30 mg/dL), calcium (< 8 or > 12.5 mg/dL), or phosphorus (< 3 or > 5.5 mg/dL)
Evaluation	<ul> <li>Venipuncture serum electrolytes, BUN, and creatinine (no heel sticks)</li> <li>Urinalysis</li> <li>Urine sodium and creatinine</li> </ul>
Treatment	None — consult nephrology
Red flags	<ul><li>Poor growth (ie, failure to thrive)</li><li>Potassium &gt; 6 mmol/L</li></ul>
Referral timeframe	<ul> <li>Routine referrals are seen in less than 2 weeks</li> <li>For red flag symptoms, contact the pediatric nephrologist on-call through Medlink</li> </ul>
Additional information	Fax the following items to 512-628-1831  • Growth chart  • Vitals  • Clinic notes  • Medication list  • Abdominal images (if obtained)



### **Contact us**



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