

BEST PRACTICE Clinical Pathway

Neonatal Urinary Tract Dilation

Identify and describe the specific findings in the kidneys, ureters and bladder.

- Patient must be >48 hours old and less than six months.
- Renal collecting system dilation must be present to use classification.
- Either anterior posterior renal pelvic diameter (APRPD) of at least 10 mm or central calyceal dilation.
- APRPD < 10 mm is normal.



Based on findings, use the UTD classification to assign a grade.

| | UTD P1 | UTD P2 | UTD P3 |
|--|------------------|---|--------------|
| Anterior Posterior Renal Pelvic Diameter (APRPD) | 10 - < 15 mm | ≥ 15 mm | ≥ 10 mm |
| | OR | OR | OR |
| Calyces | Central Dilation | Peripheral Dilation | Any Dilation |
| | | OR | |
| Ureter | | ≥ 4 mm (with APRPD ≥ 10 mm or calyceal dilation) | |
| | | | AND |
| Abnormal parenchyma or bladder | | | Yes |

Make best practice follow-up recommendation based on grade.

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|------------------------------------|--|
| Normal | Normal renal ultrasound. No follow-up is necessary. |
| UTD P1 low risk | Recommend renal US in 6 months and consider pediatric urology consultation. |
| UTD P2 intermediate risk | Recommend renal US in 6 months and pediatric urology consultation (If there is ureteral dilation, recommend VCUG as well). |
| UTD P3 high risk | Recommend a voiding cystourethrogram (VCUG), a follow-up renal ultrasound in 3 months and consultation with pediatric urology. |

