Bilateral Ureteropelvic Junction Obstruction Causing Anhydramnios

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Prenatal Course

• 25 year-old G1 female with no significant medical history
20 week prenatal US

VCU Health

CHILDREN'S HOSPITAL OF RICHMOND AT VCU
27 week prenatal US
27 week prenatal US
27 weeks GA

US-guided bilateral renal aspiration

• Specimens sent for FISH, karyotype, urine parameters

• XX karyotype, electrolytes normal

• Nephrology and Pediatric Urology consulted
Day of Life 0

- Born at 36w2d
- APGARS of 7 and 8 at 1 and 5 minutes
- Intubated
- Anuric, foley placed
- Cr 0.62
NICU Course

• DoL 3: bilateral PCN placed at bedside via US guidance
• DoL 4-13:
  – Right PCN draining well
  – Left decrease output & noted to be dislodged but making wet diapers
Day of Life 15
Day of Life 34

- Proceed with OR intervention
- Bilateral retrograde pyelograms performed
Bilateral PCN placed
Bilateral PCN placed

Right pyeloplasty
Bilateral PCN placed

Right pyeloplasty

Cr nadir 0.9
Post-pyeloplasty US
Follow-up

- Peritoneal dialysis catheter placed
- Currently on PD with plans for renal transplant in near future
Original Paper

Use of an Amniopert to Maintain Amniotic Fluid Volume in Fetuses with Oligohydramnios Secondary to Lower Urinary Tract Obstruction or Fetal Renal Anomalies

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