Diagnosis of fetal megacystis on outside ultrasound → Referral to The Fetal Center at 16 – 18 weeks gestation → Initial evaluation
- Comprehensive US
- Genetic counseling
- Nephrology consult

No other structural anomalies except megacystis → Assess amniotic fluid

Chromosomal abnormality → Offer CVS for FISH, karyotype and CMA

Female karyotype

Follow with weekly US for amniotic fluid assessment

Vesicocentesis (empty bladder) → Bladder refills on US 48 hrs later

Repeat vesicocentesis for urine chemistries *

Poor prognosis chemistries

Borderline chemistries (some values abnormal)

Good prognosis chemistries

Offer termination of pregnancy or CAPS consult

Chromosomal abnormality → Offer amniocentesis for FISH, karyotype and CMA

MRI > 26 weeks gestation

Consider dx of megacystis microcolon disease

Chromosomal abnormality

MVP ≤ 2 cm → MRI > 26 weeks gestation

MVP > 2 cm

Cloaca

MMD

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