Flow Chart: Primary Obstructive Megaureter (POM)

THIRD TRIMESTER DILATATION
Pelvic diameter > 7 mm or any dialatation with calyceal dilatation and/or ureteral dilatation
start antibacterial prophylaxis after birth

♂ unilateral, ♀ uni- and bilateral

♀ bilateral

postnatal US and MCUG
Serum creatinin

FLOW CHART PUV

pelvic dilatation < 10 mm and/or
ureteral dilatation < 6 mm
stop antibacterial prophylaxis

pelvic dilatation > 10mm and
ureteral dilatation > 6 mm

isolated pelvic diameter > 15 mm
without ureteral dilatation

FLOW CHART UPJO
(ureteropelvic junction obstruction)

US at 5-9 days of age

US at 4-6 weeks of age

♂ early US, MCUG (first week of life)
♀ US, MCUG at 4-6 weeks of age

increasing dilatation

no vesicoureteral reflux

vesicoureteral reflux

FLOW CHART VUR

MAG-3-renal scan (at 4-6 weeks of age)

differential renal function > 40-45 % without symptoms

follow-up renal scan with loss of differential renal function of more than 5-10 %

all with symptoms or
differential renal function < 40-45 % without symptoms

observation

surgery: ureteral reimplantation

Abbreviations
US ultrasonography
POM primary obstructive ureter
PUV posterior urethral valves
VUR vesicoureteral reflux
UPJO ureteropelvic junction obstruction

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