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Determination of threshold value for follow up of isolated antenatal hydronephrosis detected in the second trimester

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***Determination of threshold value for follow up of isolated antenatal hydronephrosis detected in the second trimester***

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**Short title:** cut-off value for follow-up of hydronephrosis

**Key Words:** antenatal, hydronephrosis, APPD, renal, outcome

**Abbreviations:**

ANH: antenatal hydronephrosis  
APPD: anterior-posterior pelvic diameter  
VUR: vesico-ureteral reflux  
UPJO: uretero pelvic junction obstruction  
VCUG: voiding-cysto-ureterography  
DMSA: <sup>99m</sup>Tc dimercaptosuccinic acid  
MAG: mercaptoacetyl triglycine

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**What's known on this subject:** Isolated antenatal hydronephrosis is associated with the occurrence of postnatal urinary tract infections and renal failure. The incidence of postnatal anomalies and complications is associated with the severity of antenatal hydronephrosis.

**What this study adds:** This study shows evidence that referral for follow-up of 2nd trimester hydronephrosis is not strictly indicated in case of an antero-posterior pelvic diameter <7mm in the 2<sup>nd</sup> trimester.

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