Guideline for Postnatal Imaging of Antenatally Detected Hydronephrosis

2nd Trimester or 3rd Trimester Antenatal Ultrasound shows ANH

<table>
<thead>
<tr>
<th>Mild</th>
<th>Moderate</th>
<th>Unilateral Severe</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Trimester APD</td>
<td>5-7 mm</td>
<td>7-10 mm</td>
</tr>
<tr>
<td>3rd Trimester APD</td>
<td>7-9 mm</td>
<td>9-15 mm</td>
</tr>
</tbody>
</table>

Bilateral ANH - Severe on at least 1 side or Solitary kidney with ANH or Dysplastic kidney with contralateral ANH or Features of PUV

Referral to MD for Newborn Care
Postnatal Renal US >48 hrs - 1 month of age

- Normal APD < 10 mm
- Mild Hydronephrosis APD 10 – 15 mm + Normal Renal Parenchyma
- Moderate / Severe Hydronephrosis APD > 15 mm or Abnormal Parenchyma / Ureter / Bladder

- Renal US only if clinically indicated
- Renal US at 1 Year
- Specialist Referral Further imaging as indicated

Specialist Referral
Postnatal Renal US prior to discharge from hospital
Further imaging as indicated

Normal or Stable Mild Hydronephrosis
Moderate / Severe Hydronephrosis or Abnormal Parenchyma / Ureter / Bladder

ANH = Antenatal Hydronephrosis
APD = AP diameter of Renal Pelvis
US = Ultrasound
PUV = Posterior Urethral Valve

March 2015