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## Fetal Renal pelvis Dilatation (Pyelectasis) Policy

Hutt Maternity Policies provide guidance for the midwives and medical staff working in Hutt Maternity Services. Please discuss policies relevant to your care with your Lead Maternity Carer.

### **Purpose**

To provide clinical guidance for management of cases where fetal renal pelvis dilatation is diagnosed on anatomy scan or in third trimester.

### **Scope**

All obstetric staff

### **Acronyms**

AP: anteroposterior  
PUJ: pelvi ureteric junction obstruction  
VUR: Vesicoureteric reflux  
PUV: posterior urethral valves  
USS: ultrasound scan

### **Definition**

Diagnosed when AP diameter of renal pelvis on transverse view of the kidneys is > 5mm at any gestation (consistent with Starship Hospital Guideline, agreed by Hutt Valley DHB Paediatric team). Incidence is 2% of all scanned pregnancies.

#### *Grades:*

5-9mm: mild  
10-15: moderate  
≥ 15mm: severe

#### *Causes:*

Obstructive: PUJ obstruction; urethral stenosis; posterior urethral valves  
Non obstructive: vesico ureteric reflux  
It is difficult to differentiate between causes antenatally.

#### *Postnatal evaluation:*

1. Paeds evaluation within 24 hours
2. Renal USS at 3-7 days

- Infant must be added to Paediatric SMP virtual clinic before renal USS
- Renal USS to be ordered under Paediatric consultant and after Paediatric RMO/SMO consult on postnatal ward

**Reference:**

Antenatal hydronephrosis- postnatal imaging –

<http://www.adhb.govt.nz/starshipclinicalguidelines/antenatal%20hydronephrosis.htm>

**Informed Consent**

The right of a consumer to make an informed choice and give informed consent, including the right to refuse medical treatment, is enshrined in law and in the Code of Health and Disability Consumers' Rights in New Zealand. This means that a woman can choose to decline treatment, referral to another practitioner, or transfer of clinical responsibility. If this occurs follow the process map on page 18 of the Referral Guidelines (Ministry of Health, 2012).

## Algorithm for Management

