**Kidney Failure Risk Tools & Referral Pathways**

**Kidney Disease Referral Pathway**

**Risk Factors**
- Diabetes Mellitus
- Cardiovascular Disease
- Urinary tract abnormalities including reduced renal mass
- Known systemic autoimmune disorders such as SLE
- Excessive use of known toxins such as analgesics (NSAIDs), lithium and others
- Hypertension
- Family history of kidney disease
- High risk ethnic groups e.g. Indigenous

**Screening for at risk individuals (annual):**
- History and physical examination with blood pressure assessment
- eGFR from serum creatinine (ml/min/1.73m²)
- Urinalysis, and spot urine for albumin/creatinine (ACR)

If abnormal eGFR or Albumin/Creatinine Ratio (ACR) or hematuria, order Renal Ultrasound and CBC, serum urea, electrolytes – Na, K, Cl, HCO3, calcium, phosphorous, glucose, albumin. If over 40 y/o obtain serum and urine protein electrophoresis.

**Disclaimer:** MRP pathways and guidelines are not a substitute for the healthcare provider’s clinical judgement in providing the most appropriate care to meet the unique needs of his/her patient.

**For eGFR 30-59:**
- Repeat blood and urine tests in 3 mos then at least every 6-12 mos if stable. Repeat U/A, ACR, eGFR from serum creatinine, electrolytes – Na, K, Cl, HCO3, calcium, phosphate, albumin, CBC.
- Reassess need for nephrology referral using pathway as repeat blood and urine tests become available.

**For eGFR 15-29:**
- Repeat blood and urine tests every 3-6 mos. For eGFR 15-29 repeat blood and urine tests at least every 1-3 mos. Repeat U/A, ACR, eGFR from serum creatinine, urea, electrolytes – Na, K, Cl, HCO3, calcium, phosphate, albumin, CBC.
- Reassess need for nephrology referral using pathway as repeat blood and urine tests become available.

**For eGFR >59.9**
- Hematuria?
  - Y: Refer to Neprholgy.
  - N: Repeat eGFR/serum creatinine & serum electrolytes at least Q 1-4 weeks until seen by nephrology.

**Kidney Disease Stages**
- Stage 1: eGFR 60-90
- Stage 2: eGFR 30-60
- Stage 3: eGFR 15-29
- Stage 4: eGFR 3-15
- Stage 5: eGFR <3

**Diabetic Nephropathy Management Guidelines**
- If diabetic see: Diabetic Nephropathy Management Guidelines
- If non-diabetic see: Non-Diabetic CKD Management Guidelines

**ACR - Albumin/Creatinine Ratio**
- GFR units - ml/min/1.73m²

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