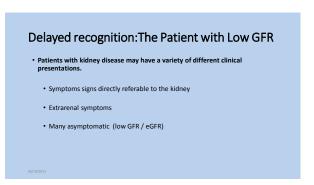
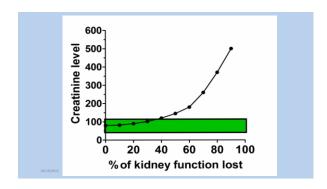
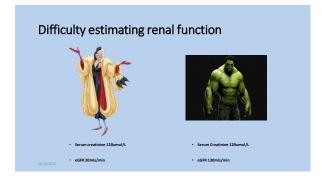
# When is it Appropriate to Refer Patients with Chronic Kidney Disease for Evaluation? Dr. Peter Lavin Consultant Nephrologist Trinity Health Kidney Centre

### Early versus late referral Reduced mortality, Odds ratio: 0.51 at 3 months and 0.45 at 5 years (p<0.00001) Initial hospitalisations 8.8 days shorter (p<0.00001) Better uptake of home based therapies Earlier placed of AV fistulas

# Factors Associated with late referral Older Age Comorbidities Socioeconomic Status Specialty / primary care versus general internist looking after patient Race Male gender Uninkelmeyer WA AJKD 2001



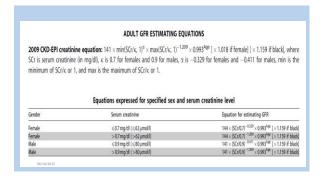


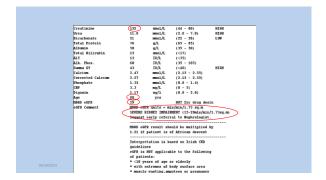


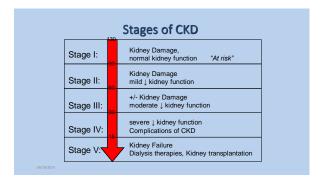
### Measuring / Estimating GFR

- Inulin clearance, iothalamate clearance,
- Measured creatinine clearance
- Cockroft-Gault
- MDRD equation
- CKD-EPI (gender, age, race, creatinine)

06/10/201









• M.T. 70 yo lady

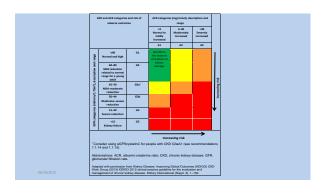
CVA December 2010
Total hip replacement - December 2011 (NSAID use prior to this)
Hypertension

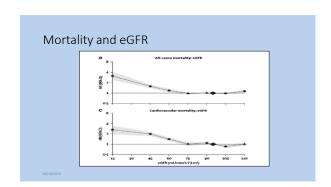
Referred with a creatinine of 165umol/L

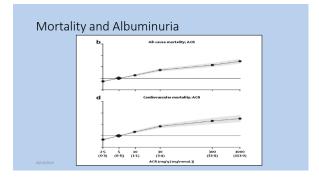
## Case 2 • J.N. 70 yo man • Type 2 DM x 25 years • IHD, PVD( r. BKA) • Referred with a creatinine 230, proteinuria

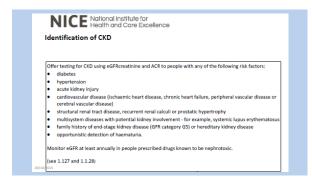
## Case 3 • CC 88 yo female • Progressively rising creatinine over 3-4 months (eGFR 29) • High potassium • Symptoms consistent with heart failure, Orthopnea, PND, Ankle oedema

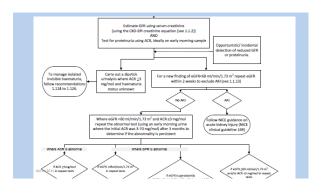


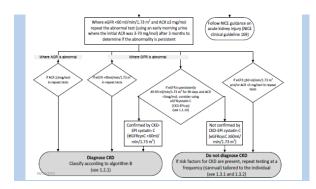


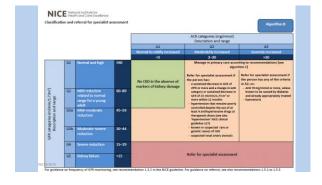


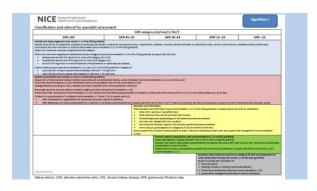


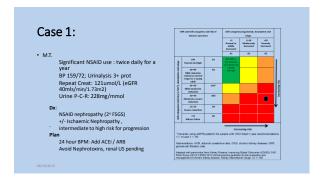


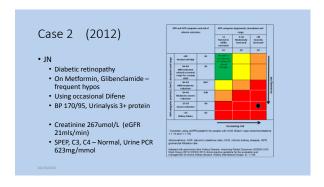




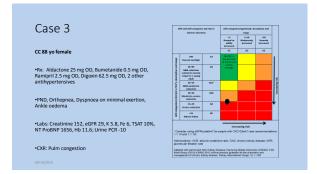


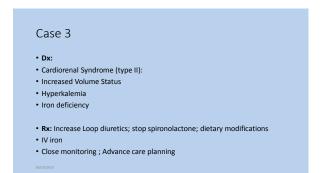


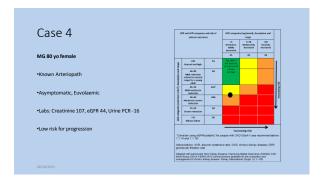












### Estimated GFR + e-alerts have increased awareness and referral for CKD Estimated GFR alone may be over sensitive All Stage IV / V CKD should be referred to a nephrologist Stage III CKD which is progressive or in presence of proteinuria / haematuria should be referred Progressive hereditary kidney disease should be referred

