

## **MATERNAL RENAL OUTCOMES ACCORDING TO PRE-PREGNANCY SERUM CREATININE**

### **Creatinine <1.5 mg/dl (130 µmol/l)**

1. Permanent loss of GFR in <10% of women
2. Greatest risk if GFR <40 ml/min and proteinuria >1 g/day
3. Major determinant of ESRD progression is hypertension
4. 40% risk of preeclampsia if baseline proteinuria >500 mg/day

### **Creatinine 1.5-2.5 mg/dl (130-220 µmol/l)**

1. Decline or permanent loss of GFR in 30% of women
2. Increased to 50% if uncontrolled hypertension
3. 10% ESRD soon after pregnancy

### **Creatinine >2.5 mg/dl (220 µmol/l)**

1. Progression to ESRD highly likely during or soon after pregnancy

## **FETAL OUTCOMES ACCORDING TO MATERNAL PRE-PREGNANCY SERUM CREATININE**

1. Outcomes after accounting for first-trimester miscarriage:

### **Creatinine <1.5 mg/dl (130 µmol/l)**

1. Live births in >90% of women
2. Up to 50% preterm delivery, 60% small for gestational age if baseline proteinuria >500 mg/day

### **Creatinine 1.5-2.5 mg/dl (130-220 µmol/l)**

1. Live births in about 85% of women unless uncontrolled hypertension (MAP >105) at conception
2. 60% prematurity, mainly iatrogenic (preeclampsia/fetal growth restriction)

### **Creatinine >2.5 mg/dl (220 µmol/l)**

1. Fetal loss high; estimates uncertain