

Renal Dose Adjustment Worksheet



- Age: _____ years
- Actual body weight: _____ (circle one: kg // lb)
- Ideal body weight: _____ (circle one: kg // lb)
- Body mass index: _____ kg/m²
- Baseline SCr: _____ mg/dL
- Recent SCr measurements:

Date:								
SCr (mg/dL):								
CrCl (mL/min):								
eGFR (mL/min/1.73 m ³):								

- CrCl and SCr are trending: Better Worse No change
- Urine output in last 24 hours: _____, trending Better Worse No change
- Dialysis status: Not on dialysis iHD MWF/TTS PRN dialysis CRRT
 - Most recent dialysis session: _____ (date and start/stop times)
 - Anticipated next dialysis session: _____
- Clinical status over last 24 hours: Improving Worsening No change
 - Signs of improvement or worsening: _____
- Infection site/type: _____
- Patient and drug factors impacting drug penetration to infection site: _____
- Target organism and resistance data: _____

Cockcroft-Gault Equation

$$\text{CrCl (mL/min)} = \frac{(140 - \text{age}) \times \text{wt in kg}}{\text{SCr} \times 72} \quad (\times 0.85 \text{ for females})$$

- BMI < 18.5: use actual or total body weight
- BMI = 18.5 - 24.9: use ideal body weight
- BMI ≥ 25: use adjusted body weight

Adjusted Body Weight

$$= \text{IBW in kg} + 0.4 \times (\text{actual body weight in kg} - \text{IBW in Kg})$$

MDRD GFR Equation

$$\text{GFR} = 186 \times \text{SCr}^{-0.203} \times 1.212 \text{ (if black)} \times 0.742 \text{ (if female)}$$

IBW male, kg = 50 + [2.3 x (height in inches - 60)]
 IBW female, kg = 45.5 + [2.3 x (height in inches - 60)]

Abbreviations: BMI = body mass index, CrCl = creatinine clearance, CRRT = continuous renal replacement therapy, GFR = glomerular filtration rate, IBW = ideal body weight, iHD = intermittent hemodialysis, kg = kilograms, lb = pounds, MWF = Monday/Wednesday/Friday, PRN = as needed, SCr = serum creatinine, TTS = Tuesday, Thursday, Saturday

Disclaimer: Factors not listed may impact renal dose-adjustment decisions and antibiotic selection.