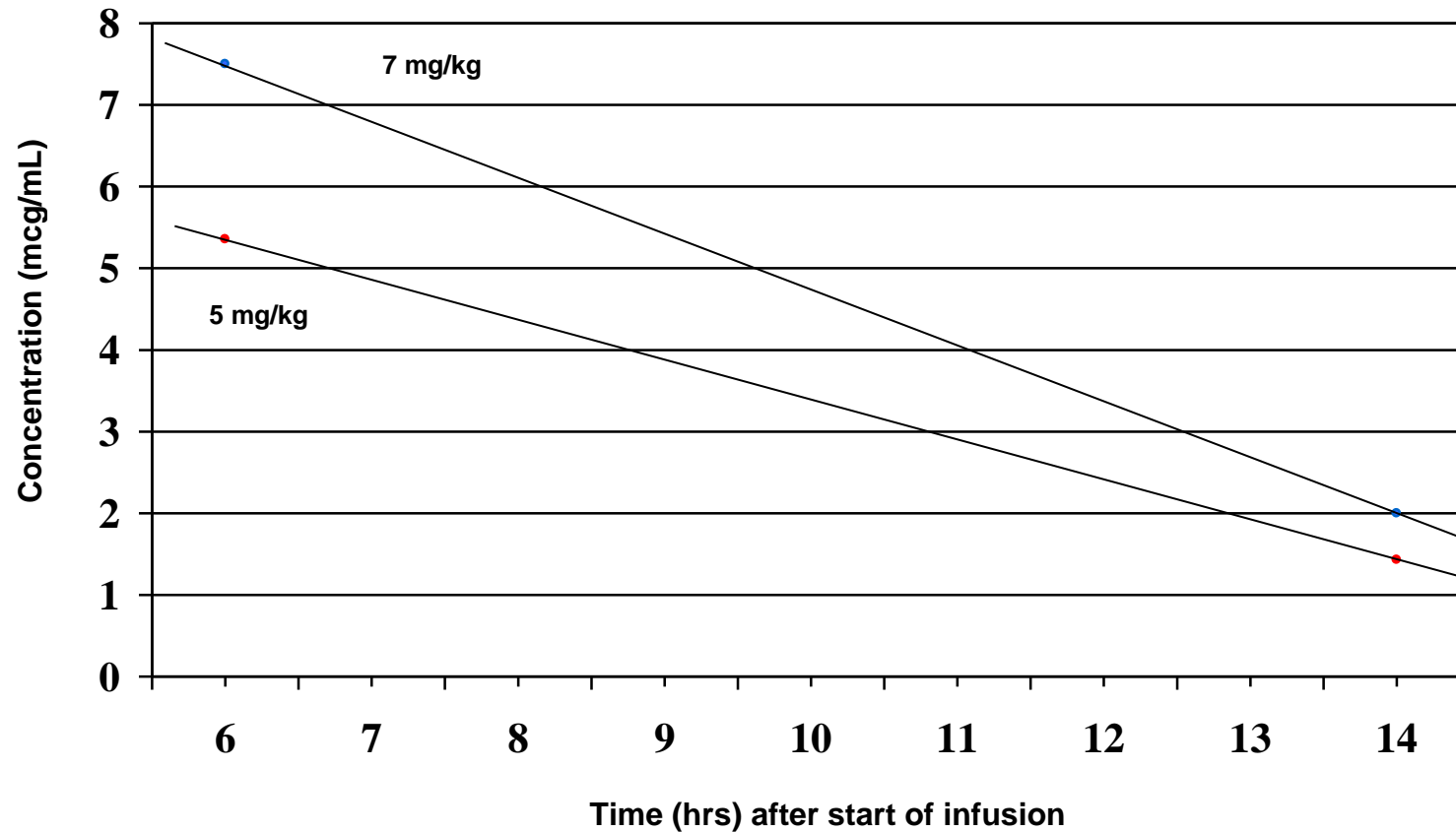


# Once Daily Aminoglycoside Nomogram – Adults Gentamicin, Tobramycin

Reviewed 3/2023



## Empiric dosing

- Use total body weight unless patient is obese
- **If obese**, see table 1 of "Gentamicin and Tobramycin Dosing" page to determine dosing weight
- **Dose is 5 or 7 mg/kg q24h:**
- Consider **5 mg/kg/dose** in these settings:  
Urinary tract source (pyelonephritis, urosepsis, complicated UTI) OR  
Pathogen MIC  $\leq 1$  mcg/mL OR  
Infection is due to a removed source (e.g. line infection)
- Consider **7 mg/kg/dose** in these settings:  
Nosocomial pathogen OR  
Pathogen MIC  $\geq 2$  mcg/mL OR  
Pneumonia OR osteomyelitis

## Use of nomogram to confirm dose

- Confirmation should occur after first dose
- In place of "Peak and trough" concentrations, follow sequence below:
  1. Obtain random serum concentration 6-14 hours after dose
  2. Plot concentration on nomogram
  3. If below line for respective dose, continue dose
  4. If above line, use Traditional Dosing, see flow chart on "Gentamicin and Tobramycin Dosing" page
  5. Repeat confirmation at clinically appropriate interval
  6. Monitor renal function regularly