NCCN Chemotherapy Order Templates (NCCN Templates®)
Appendix B

Appendix B: Carboplatin Dosing

Cockcroft-Gault Equation[1]

- Substitute GFR with creatinine clearance that is calculated via Cockcroft-Gault equation
  CrCl Calculation (Cockcroft-Gault Formula):
  CrCl (men; mL/min) = (140 – age) x (weight in kg) ÷ (serum creatinine [mg/dL] x 72)
  CrCl (women; mL/min) = 0.85 x CrCl (men)

Calvert Equation[3]

- Calvert equation: Dose (mg) = Target AUC x (glomerular filtration rate [GFR]* + 25)

*GFR estimated by calculated creatinine clearance.

Maximum Carboplatin Dose Calculation[2]

- The FDA has recommended a maximum creatinine clearance (CrCl) for use in calculating carboplatin doses to minimize toxicity. The maximum dose is based on a GFR estimate that is capped at 125 mL/min for patients with normal renal function.

  Maximum Carboplatin Dose (mg) = Target AUC (mg·min/mL) x (150 mL/min)

REFERENCES

1. Cockcroft DW, Gault MH. *Nephron*. 1976;16(1):31-41.
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3. Calvert AH, Newell DR, Gumbrell LA, et al. *J Clin Oncol*. 1989;7(11):1748-56.