

NCCN Chemotherapy Order Templates (NCCN Templates®)  
Appendix A

**Appendix A: Chemotherapy Calculations**

**Body Surface Area (BSA)**

Author	BSA formula
Mosteller <sup>1</sup>	$BSA (m^2) = \sqrt{\frac{height (cm) \times weight (kg)}{3600}}$ OR $BSA (m^2) = \sqrt{\frac{height (in) \times weight (lbs)}{3131}}$
DuBois and DuBois <sup>2</sup>	$BSA (m^2) = Weight (kg)^{0.425} \times Height (cm)^{0.725} \times 0.007184$
Haycock et al <sup>3</sup>	$BSA (m^2) = Weight (kg)^{0.5378} \times Height (cm)^{0.3964} \times 0.024265$
Gehan and George <sup>4</sup>	$BSA (m^2) = Weight (kg)^{0.51456} \times Height (cm)^{0.42246} \times 0.02350$
Boyd <sup>5</sup>	$BSA (m^2) = Weight (kg)^{0.4838} \times Height (cm)^{0.3} \times 0.017827$

**Cockcroft-Gault Equation<sup>6</sup>**

$$CrCl (male; mL/min) = \frac{(140 - age) \times (weight in kg)}{72 \times serum creatinine (mg/dL)}$$

$$CrCl (female; mL/min) = 0.85 \times CrCl (male)$$

**Calvert Equation<sup>7</sup>**

$$Carboplatin Dose (mg) = Target area under the curve (AUC mg·min/mL) \times (GFR^* + 25)$$

\*GFR estimated by calculated creatinine clearance using Cockcroft-Gault Equation (see above).

**REFERENCES**

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