

NCCN Chemotherapy Order Templates
Appendix A

Appendix A: Calculations, Assumptions, Clearances

BSA

Author	BSA formula
Mosteller ¹	BSA (m ²) = [Ht (cm) * Wt (kg)/3600] ^{1/2} or BSA (m ²) = [Ht (in) * Wt (lbs)/3131] ^{1/2}
Du Bois and Du Bois ²	BSA (m ²) = Wt (kg) ^{0.425} * Ht (cm) ^{0.725} * 0.007184
Haycock et al ³	BSA (m ²) = Wt (kg) ^{0.5378} * Ht (cm) ^{0.3964} * 0.024265
Gehan and George ⁴	BSA (m ²) = Wt (kg) ^{0.51456} * Ht (cm) ^{0.42246} * 0.02350
Boyd ⁵	BSA (m ²) = Wt (kg) ^{0.4838} * Ht (cm) ^{0.3} * 0.017827

Cockcroft-Gault Equation⁶

- 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)

Isotope Dilution Mass Spectrometry (IDMS)

- Utilizes standardized method to measure serum creatinine (SCr) utilized by US clinical laboratories⁷
- May underestimate SCr values compared to older methods when the SCr values are relatively low

REFERENCES

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