Quick Med Math—Fentanyl

Important! Important! Important! Important! Important! Important!
- Fentanyl must be packaged as 100mcg in 2mL
- Lbs. must be utilized in the mathematical equation
- Final product is a push in mL

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THE MATH
1. TAKE THE PATIENT’S WEIGHT IN LBS.
2. SUBTRACT 10%
3. MOVE THE DECIMAL TO THE LEFT 2 PLACES
4. THIS WILL PROVIDE YOUR ML FOR FENTANYL PUSH.

Example #1
Patient weighs 160 Lbs.
Needs pain management
160 x 10% = 16
160 - 16 = 144
Move the decimal 2 places
1.44 = 1.44mL of Fentanyl

Example #2
Patient weighs 50 Lbs.
Needs pain management
50 x 10% = 5
50 - 5 = 45
Move the decimal 2 places
0.45 = 0.45mL of Fentanyl

Example #3
Patient weighs 195 Lbs.
Needs pain management.
195 x 10% = 19.5
195 - 19.5 = 175.5
Move the decimal 2 places
1.76 = 1.76 mL of Fentanyl

Note: While the math is not exact when compared to the Dose x Volume / Concentration method, it does fall within hundredths of a milliliter comparatively. Making the difference when pushing the medication negligible.