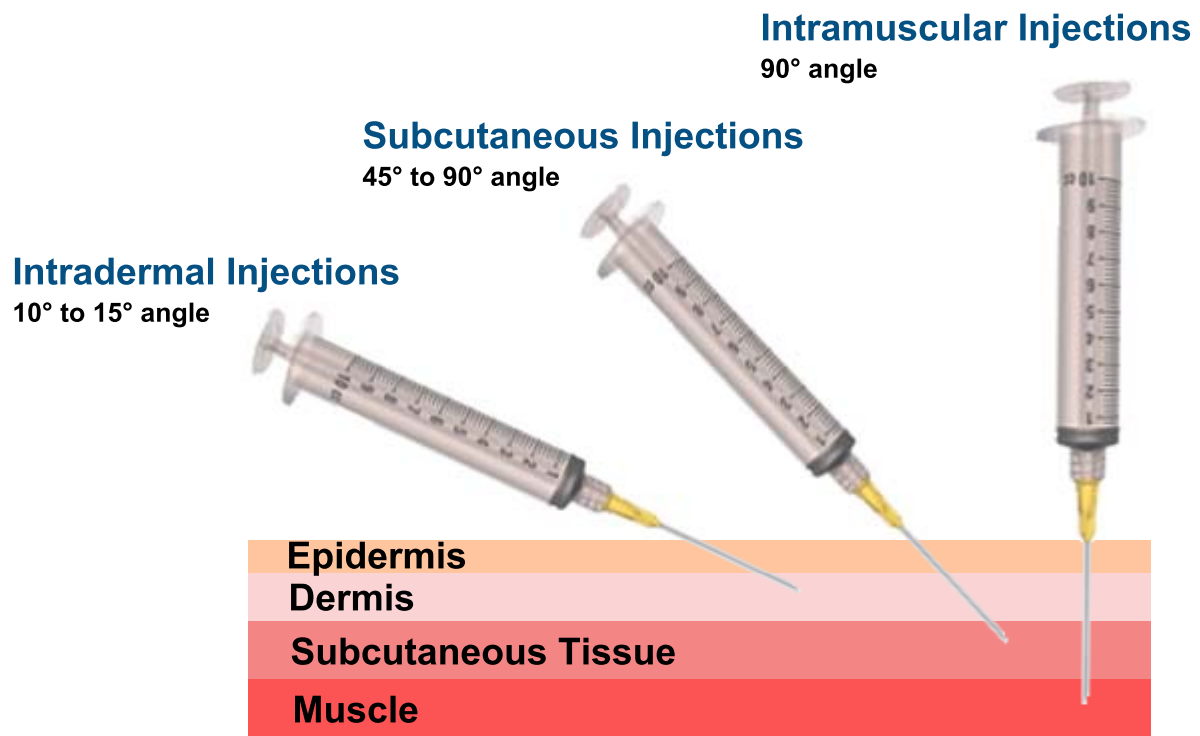


Needle Selection Guidelines

Needle Use



Intramuscular injection angle 90°

Recommended injection sites for intramuscular injections:

- Adults - deltoid muscle of arm, vastus lateralis muscle of thigh.
- Children 18 months (walking) to 18 years - deltoid muscle of arm, vastus lateralis muscle of thigh, or ventrogluteal site.
- Infants less than 18 months - vastus lateralis thigh muscle.

Subcutaneous injection angle 45° to 90°

Recommended injection sites for subcutaneous injections:

- Adults to Infants - anterolateral thigh, upper outer tricep area, upper buttocks, or abdomen (avoid 2" radius around umbilicus).

Intradermal injection angle 10° to 15°

Recommended injection sites for intradermal injections:

- Adults to Infants - anterior aspect of forearm, upper chest, upper back, or back of upper arm.

Source: Becton Dickinson