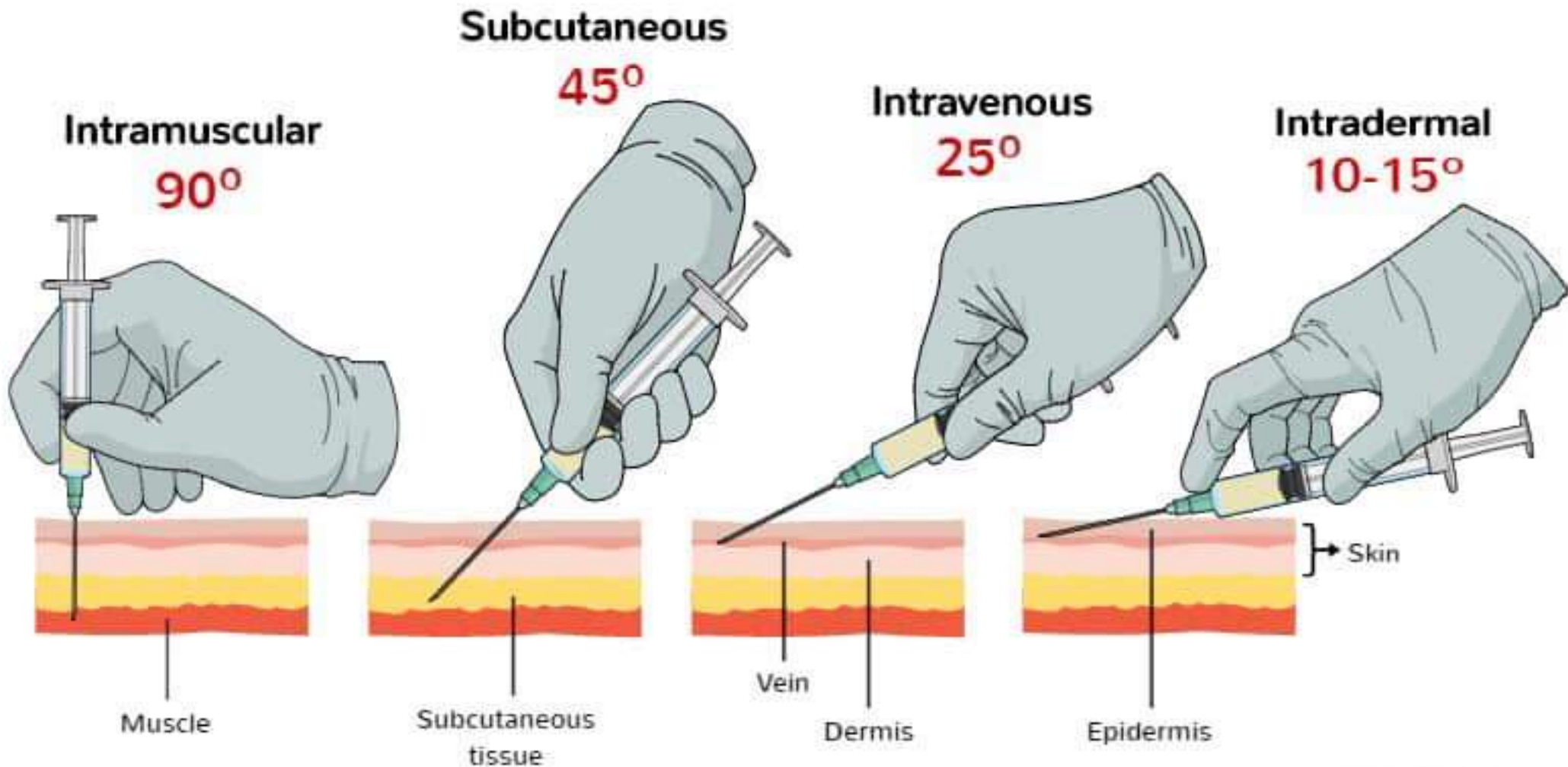
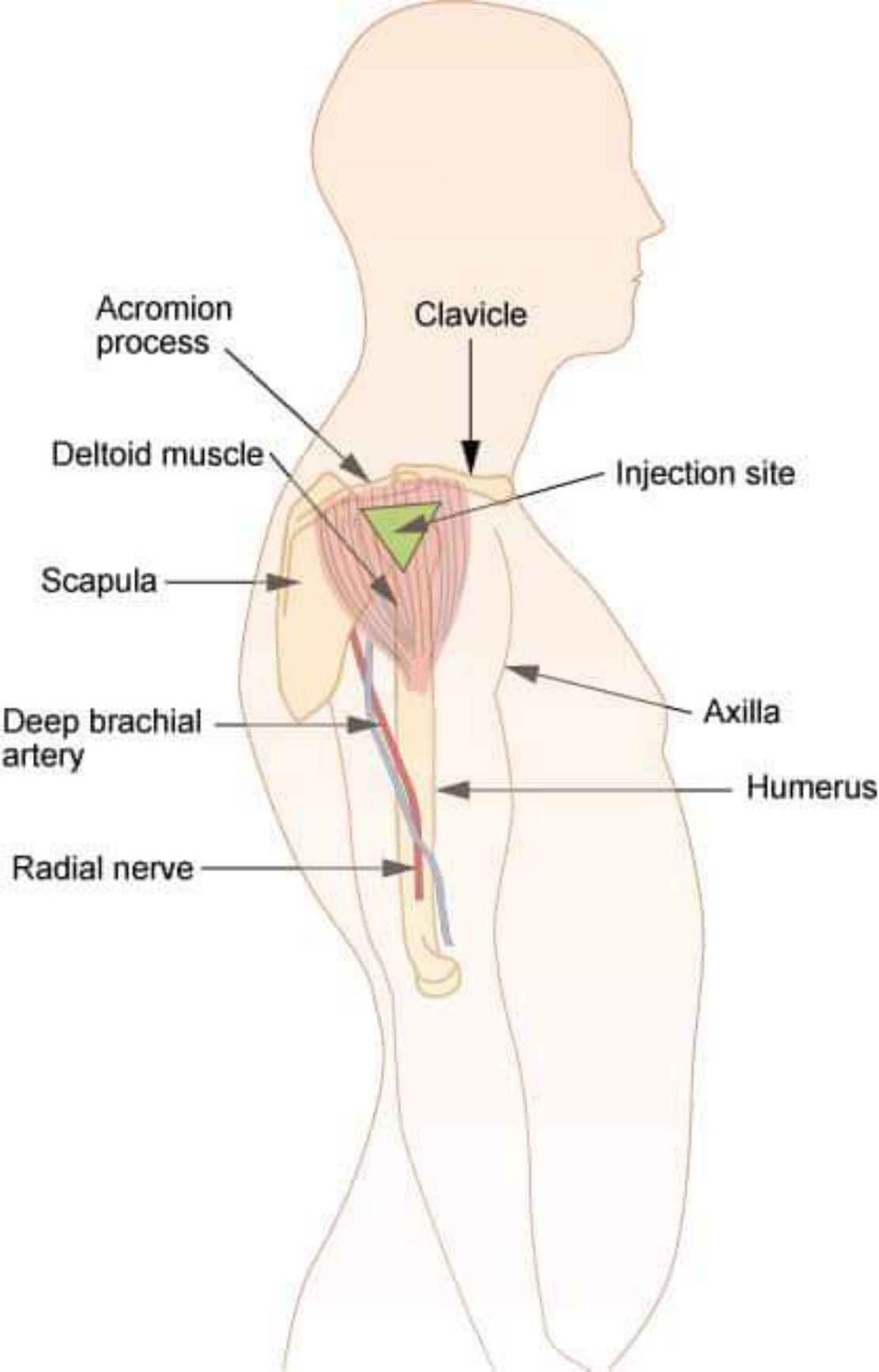


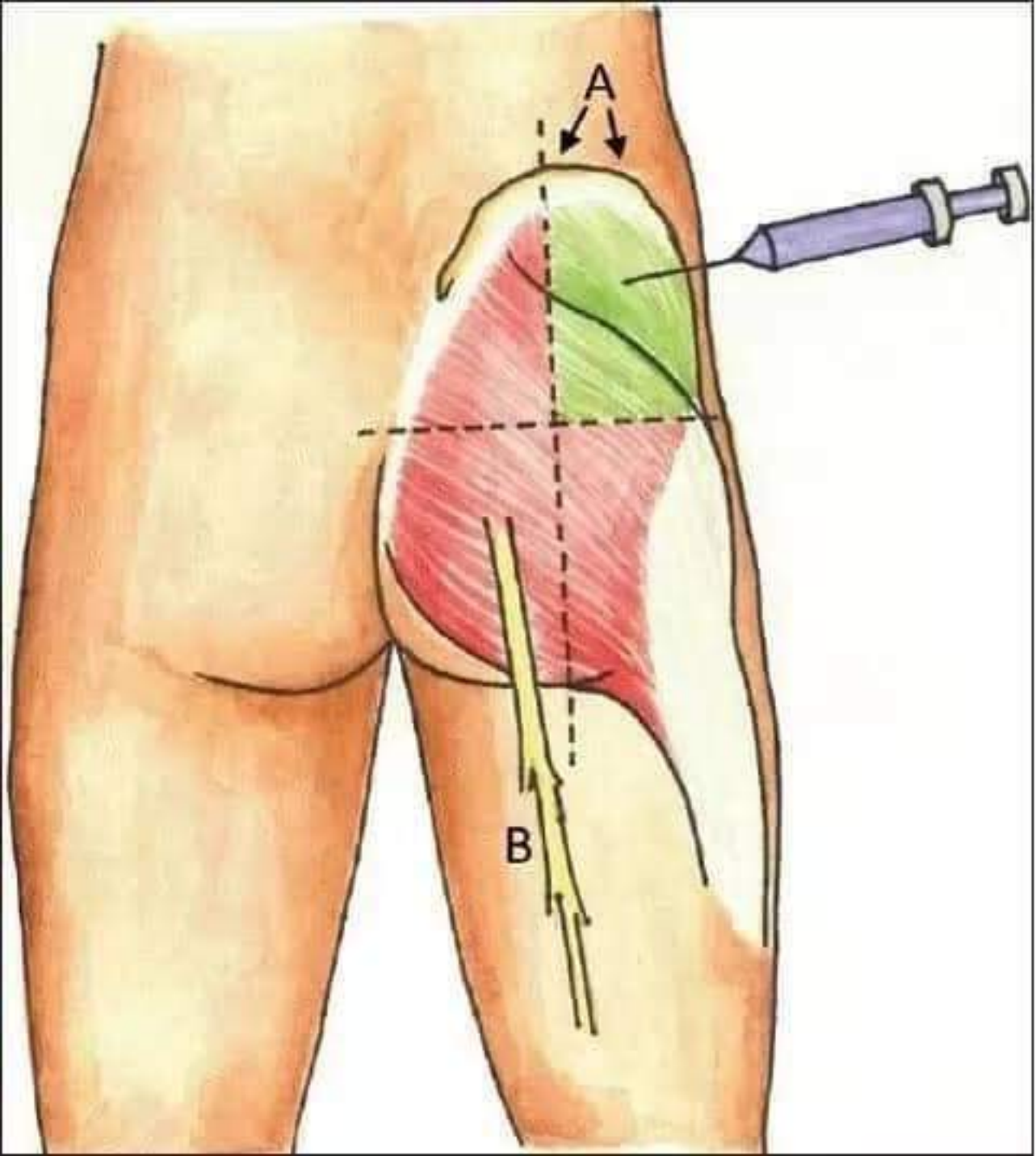
Injection technique

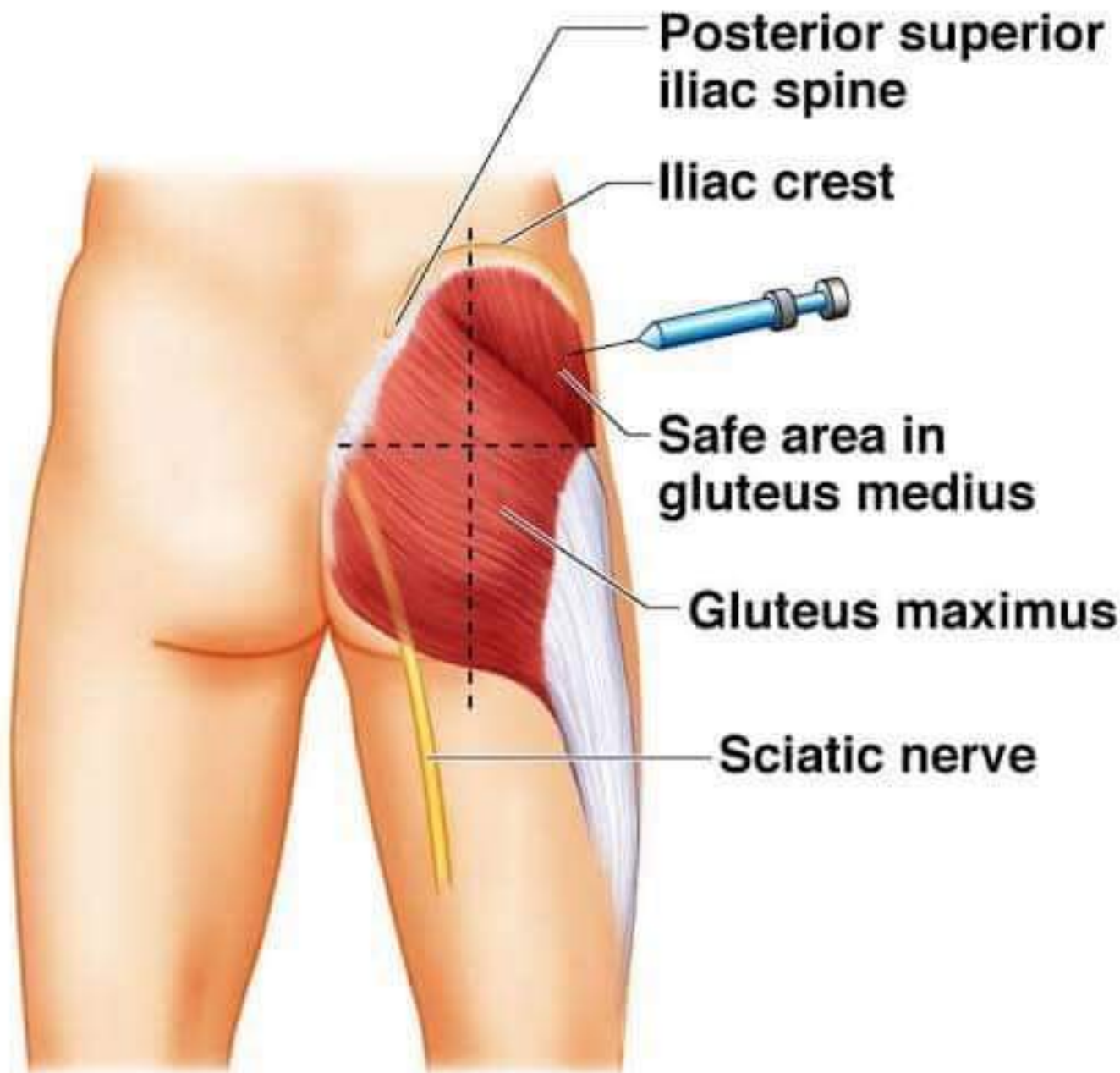




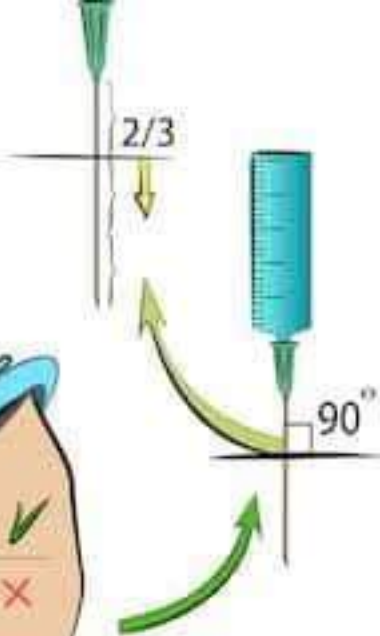




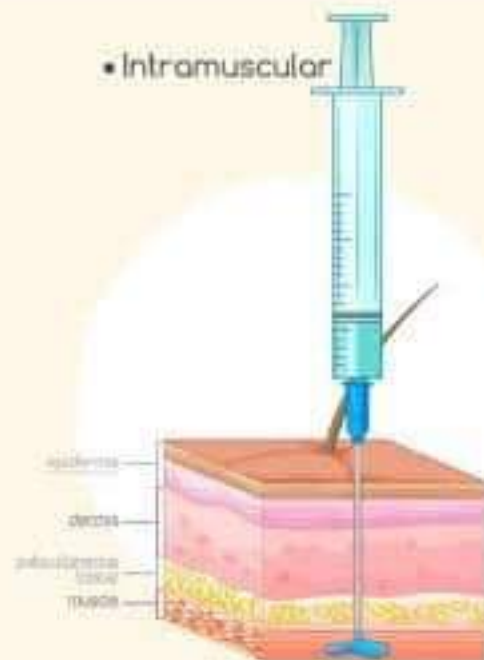




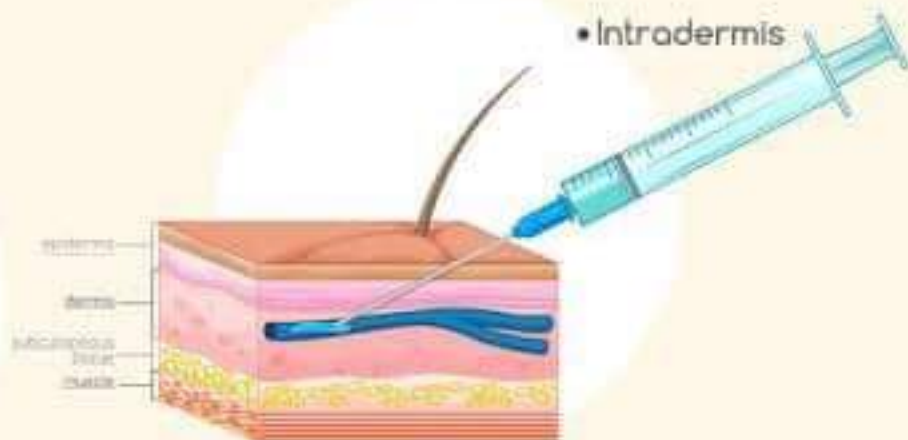
Intramuscular injection



• Intramuscular



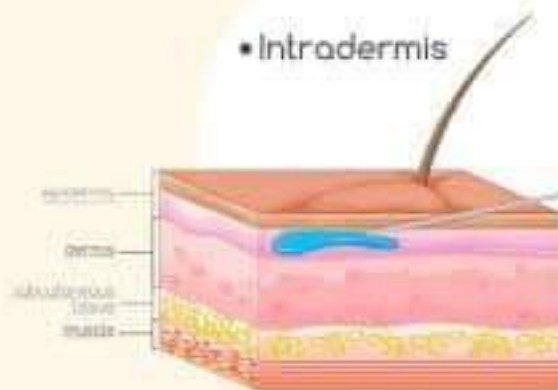
• Intradermis

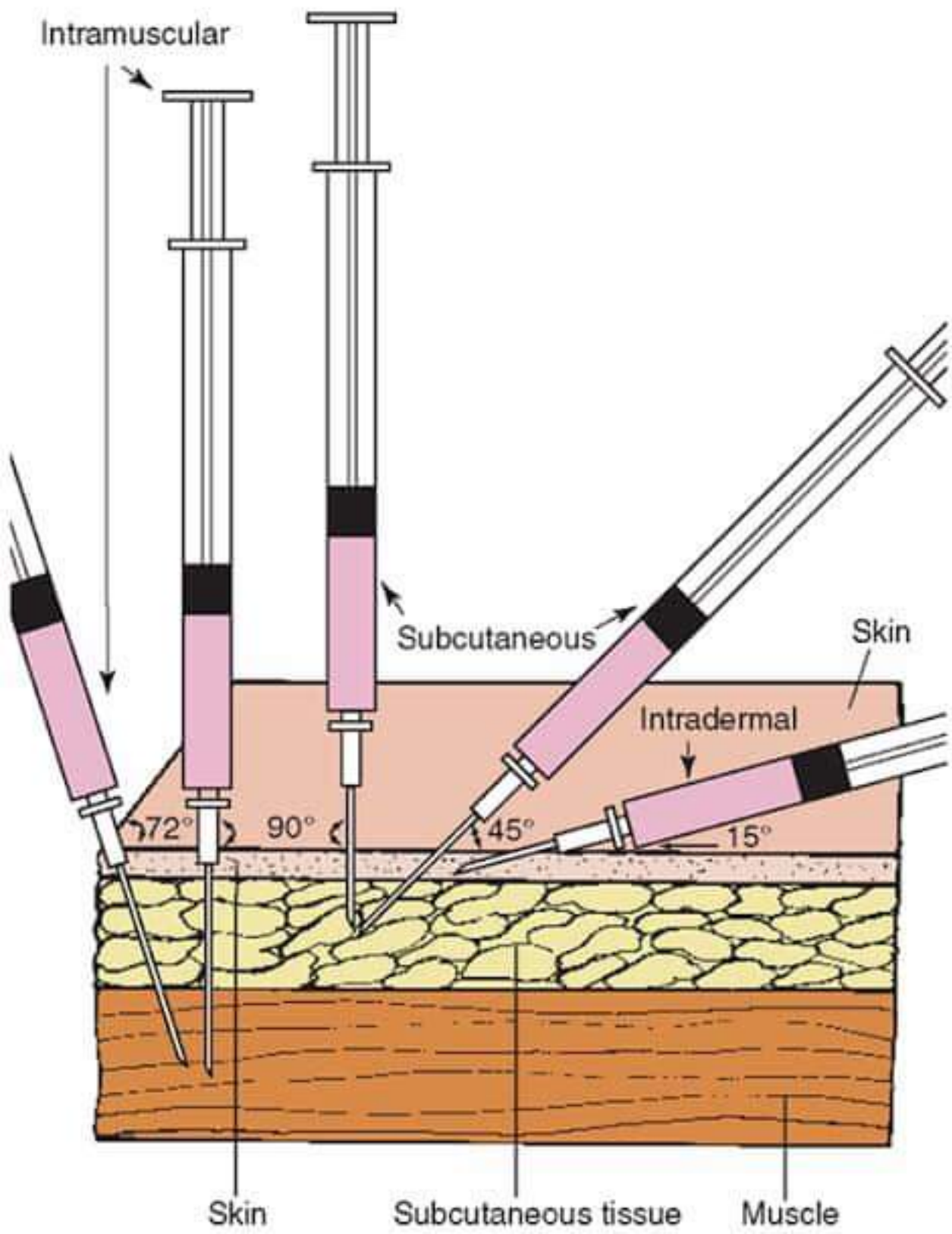


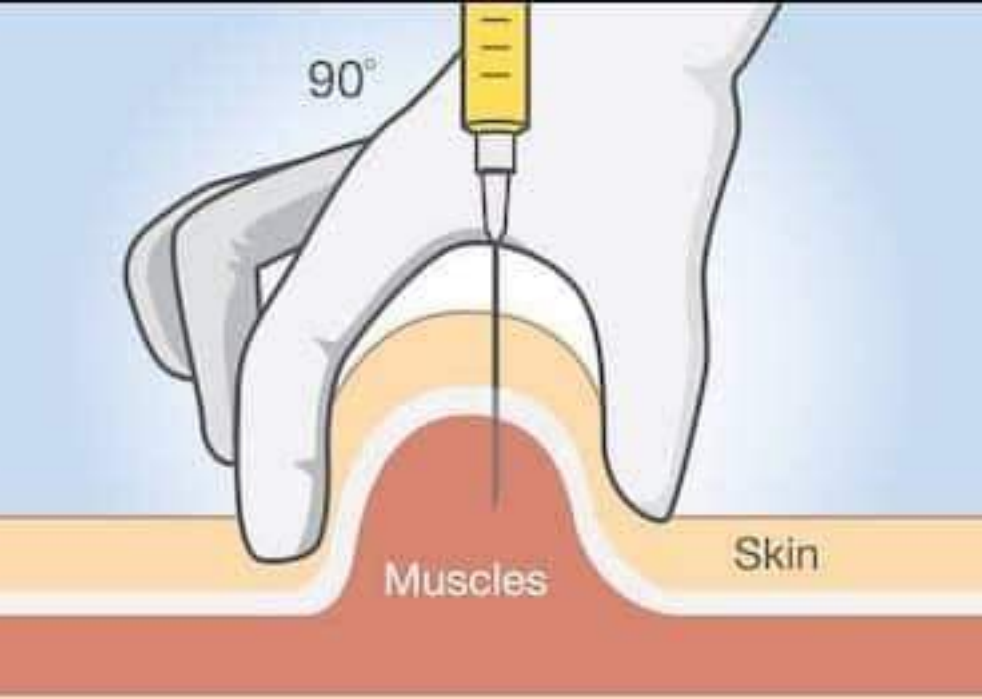
• Subcutaneous



• Intradermis







Types of Injections

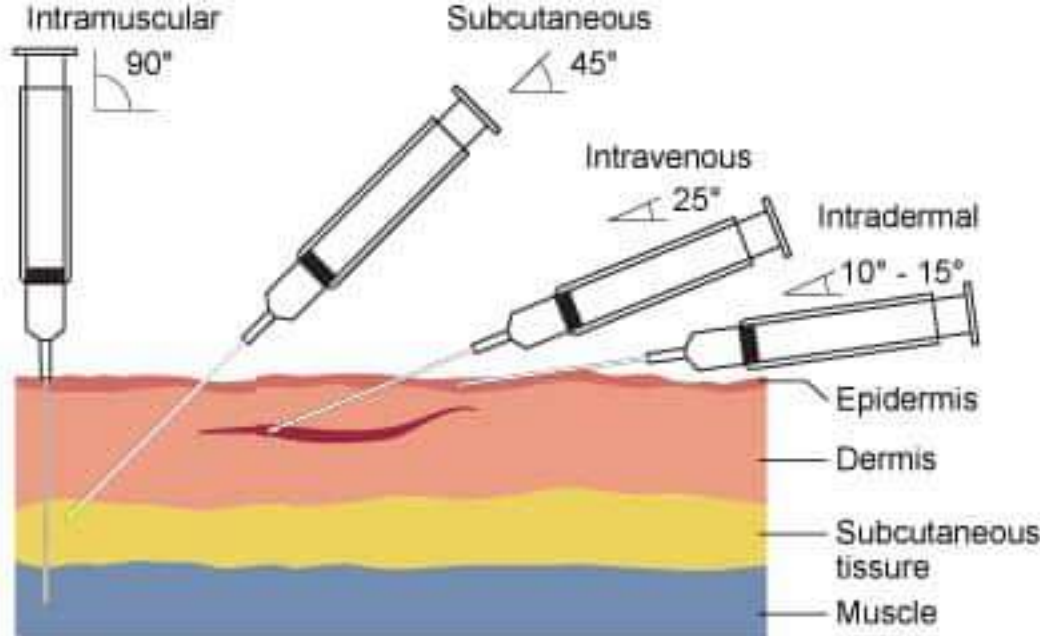
Intramuscular

Subcutaneous

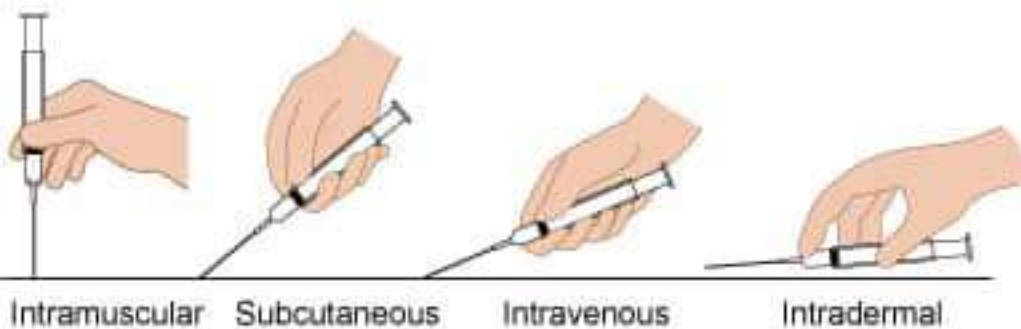
Intravenous

Intradermal





Angle of injections



Injection angles

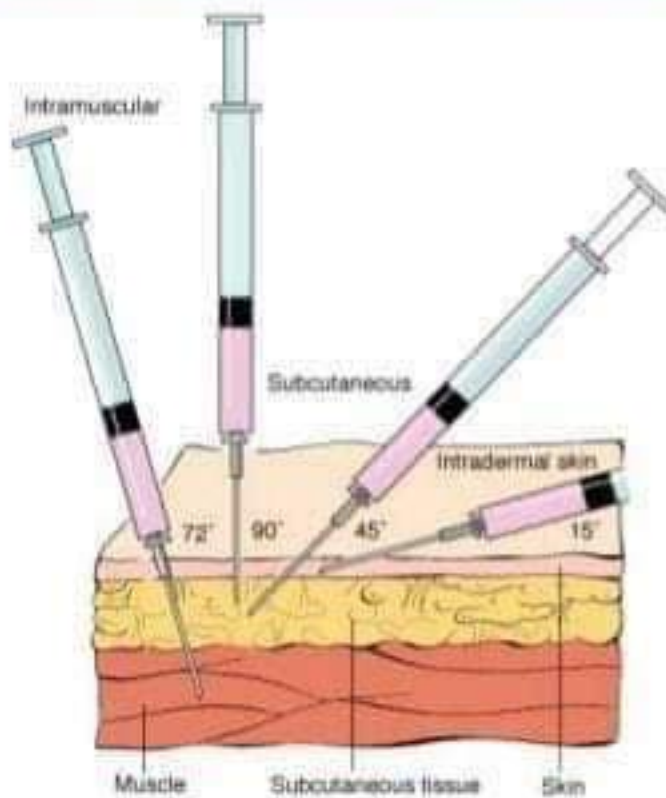


Figure 29-11 Comparison of the angles of insertion for intramuscular, subcutaneous, and intradermal injections.

Z-track method

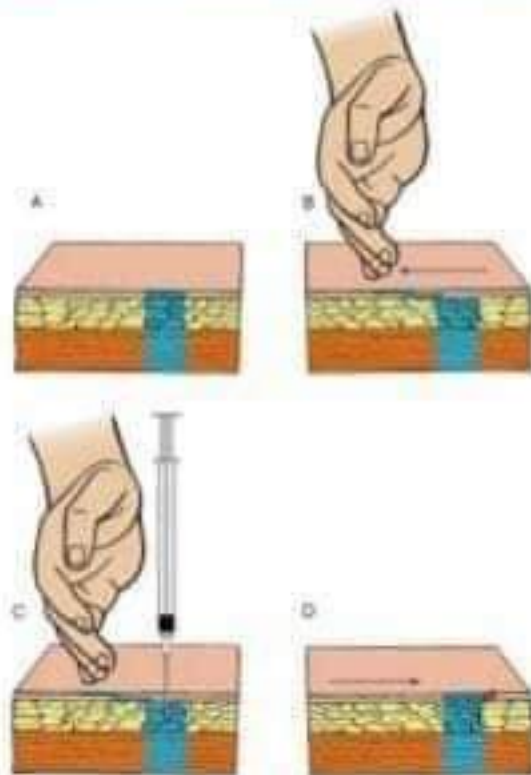
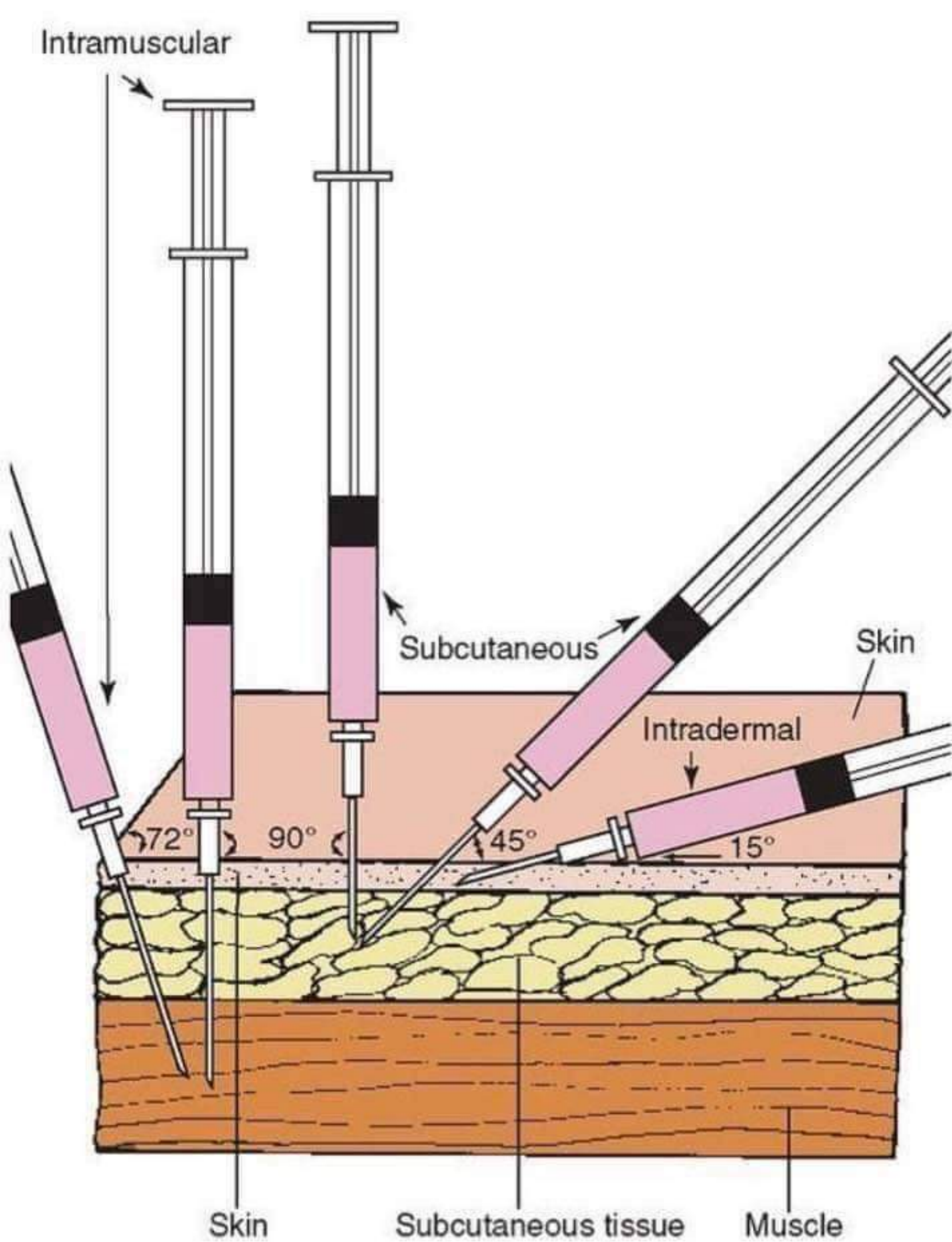
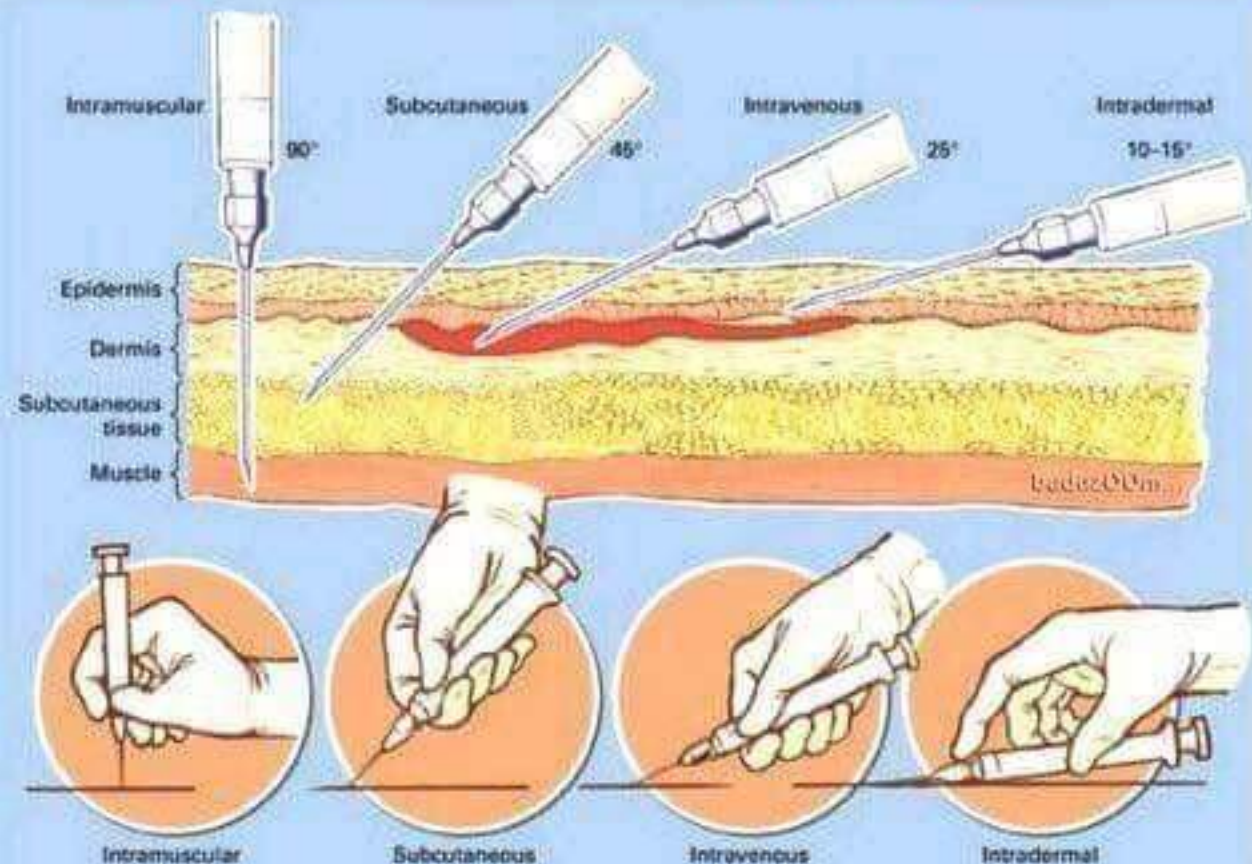


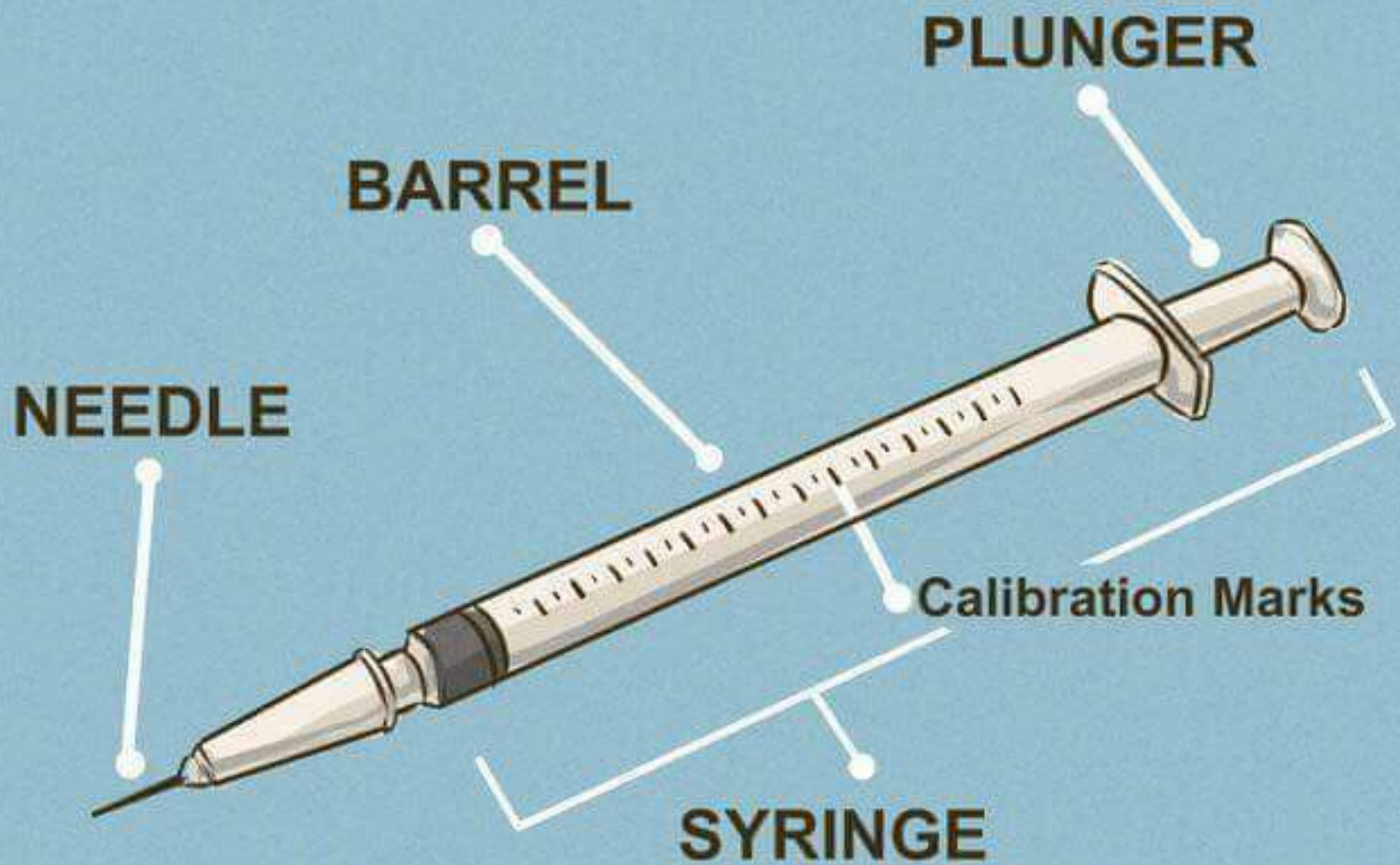
Figure 29-12 The Z-track or zigzag technique is recommended for intramuscular injections. (A) Normal skin and tissues. (B) Moving the skin to one side. (C) Needle is inserted at a 90-degree angle, and the nurse aspirates for blood. (D) Once the needle is withdrawn, displaced tissue is allowed to return to its normal position, preventing the solution from escaping from the muscle tissue.

Intramuscular



Angles for inserting injections





How to Give an Intramuscular Shot



1. Use an alcohol swab to clean the skin where you will give the shot.



2. Hold the muscle firmly and insert the needle into the muscle at a 90° angle (straight up and down) with a quick firm motion.



3. After you insert the needle completely, release your grasp of the muscle.



4. Gently pull back on the plunger of the syringe to check for blood. (If blood appears when you pull back on the plunger, withdraw the needle and syringe and gently press the alcohol swab on the injection site. Start over with a fresh needle.)



5. If no blood appears, inject all of the solution by gently and steadily pushing down the plunger.



6. Withdraw the needle and syringe and press an alcohol swab gently on the spot where the shot was given.

How to Give a Subcutaneous Shot



1. Use an alcohol swab to clean the skin where you will give the shot.



2. Gently pinch the skin and insert the needle into the skin at a 45-degree or 90-degree angle. Follow your provider's instructions.



3. After you insert the needle completely, release your grasp on the skin.



4. Inject all of the solution by gently and steadily pushing down the plunger.



5. Withdraw the needle and syringe and press an alcohol swab gently on the spot where the shot was given.