Injection Technique Recommendations



FITTER Forward provides updated recommendations to reflect state-of-the-art diabetes care.

Device Angle & Skin Lift

- 90° injection (straight in) is recommended for all needle lengths
 - 4-5 mm needles: a skin lift is not needed in most cases*
 - 6 mm and longer: a skin lift is recommended



*For individuals with low BMI (<19 kg/m²)/Lean body mass or children age 6 years or younger a skin lift is recommended

Injecting into a skin lift

- **1** Gently lift 2 inches of skin, with low pressure
- **2** Insert needle at 90° angle to the surface of skin lift
- **3** Count to 10 after plunger is depressed
- **4** Remove needle at 90° angle
- 5 Release skin lift
- 6 Dispose of used needle safely

Avoid performing the skin lift with the whole hand as seen in image.

Patient Physiology

Subcutaneous (SC) layer thickness

- The thickness of the SC is highly variable, can vary by anatomical location, and is influenced by age, BMI, sex, and pregnancy status
- Skin lifts are recommended for those with less SC tissue, including elderly patients, children, and individuals with low BMI/lean body mass

Delivery site selection

• Injection into areas of lipohypertrophy or the presence of scars, tattoos, or skin lesions may alter insulin absorption and should be avoided if possible

Dexterity/Movement abilities

- Sufficient dexterity is needed to assemble and use an injection device
- The ability to reach multiple injection sites is also required

Needle Reuse & Disposal

- Avoid needle reuse to help prevent pain from dull needles
- Always use a certified waste receptacle for needles and syringes and follow local guidelines for disposal

Temperature of insulin when delivered

Injection of cold insulin should be avoided; room temperature is preferred to reduce risk of lipohypertrophy and increase comfort when injecting







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