



Medication Lecture

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Medication: Medication is a medicine, or a chemical compound used to treat or cure illness.

1. palliative ; to control S&S

2. Curative ; TO cure disease

3. Diagnostic

4. preventive of disease (Immunization or vaccination)

5. Chemotherapy : for malignant tumor

6. Supportive ; to support body function

7. Substative :(insulin)

Common group of Drug

Antibiotic

Antipyretic

Antiemetic

Analgesic

Anti-inflammatory

Antihistamine

Antispasmodic

Anti-acid

Antibacterial

Anti-protozoal

Bronchodilator

Common Abbreviation use in medication

- **PO**---- per oral or per mouth
- **NPO**---- Nothing Per Mouth (**Oral**)
- **PRN**---- ON need (**painkiller**)
- **Stat** ---- immediately at once
- **OTC**-- Over The Counter Medication
- **Bid** ----2 time/ day
- **Tid**----3 time /day
- **Qid**----4 time / day
- **IM**----intramuscular

Common Abbreviation use in medication

- **IV** ---- intravenous
- **Sc**---- subcutaneous
- **ID**---- intra dermal
- **Q** ----- every
- **Qd** ----- every day
- **Qod**---- every other day
- **Qh**--- every hour
- **Q2h** ---every 2 hour
- **Q4h**---every 4 hour
- **Q6h** ---- every 6 hour

Types of Drug Preparation

Tablets	Pills	Capsule	Lozenges	Powder	Syrup
Drop	Enteric-coated	Aqueous suspension مائي معلق	Cream	Jells or jelly	Lotion
Ointment	Vial	Ampoule	Patches لصقة للجلد	Suppositories	Caplets

Route of drug administration

1. Pulmonary

- Respiratory inhalation

2. Topical

- Vaginal administration
- Rectal administration
- Irrigation
- Skin application





Route of drug administration

3. Parenteral

- ID
- SC
- IM
- IV
- Intraarterial
- Intracardial
- Intraperitoneal
- Intraspinal

Route of drug administration

ID (Intra-dermal)

Site of injection (chest , scapula , inner forearm)

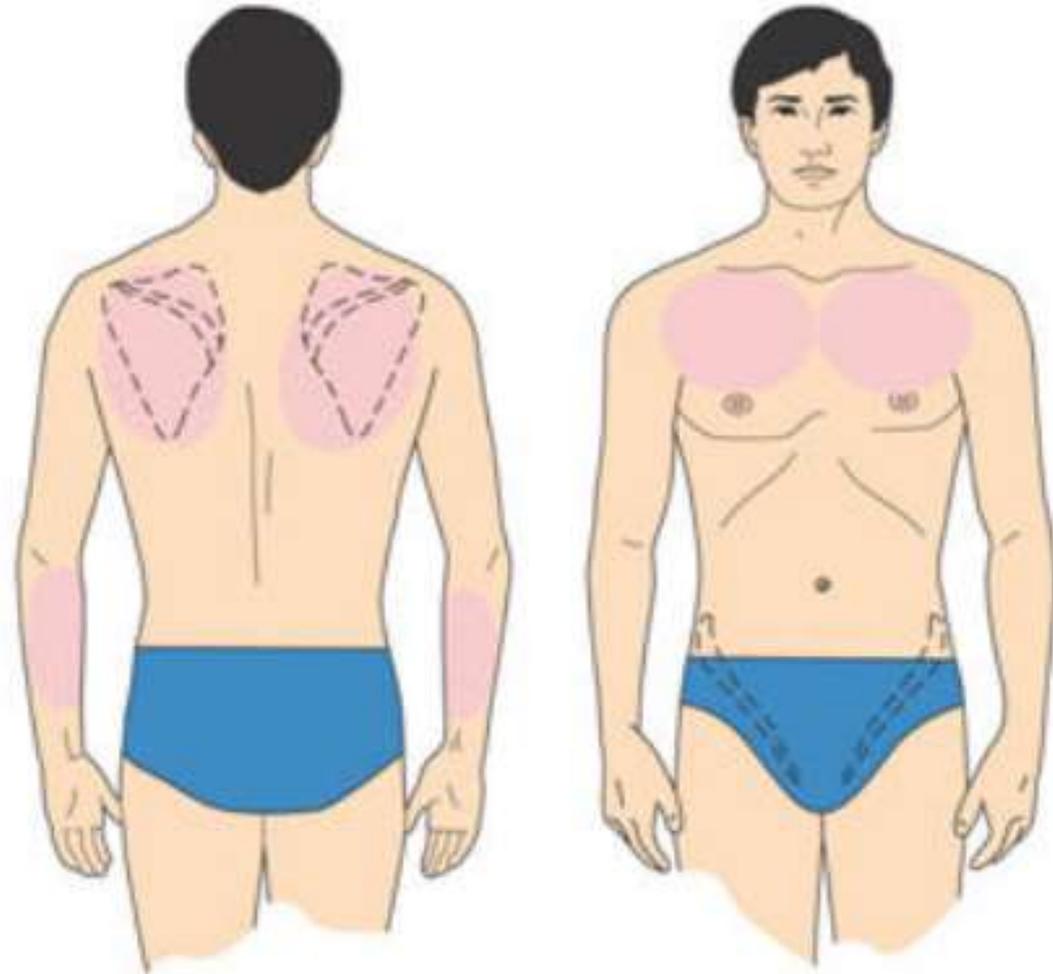
Purpose (allergy test , tuberculin test)

Quantity (dose) 0.1 ml = (10 unit from insulin syringe) Angle of administration (10---15) degree

patient have allergy :

- **Redness-**
- **Rash**
- **Itching-**
- **Swelling-**
- **Painful-**

Intradermal Injections Site

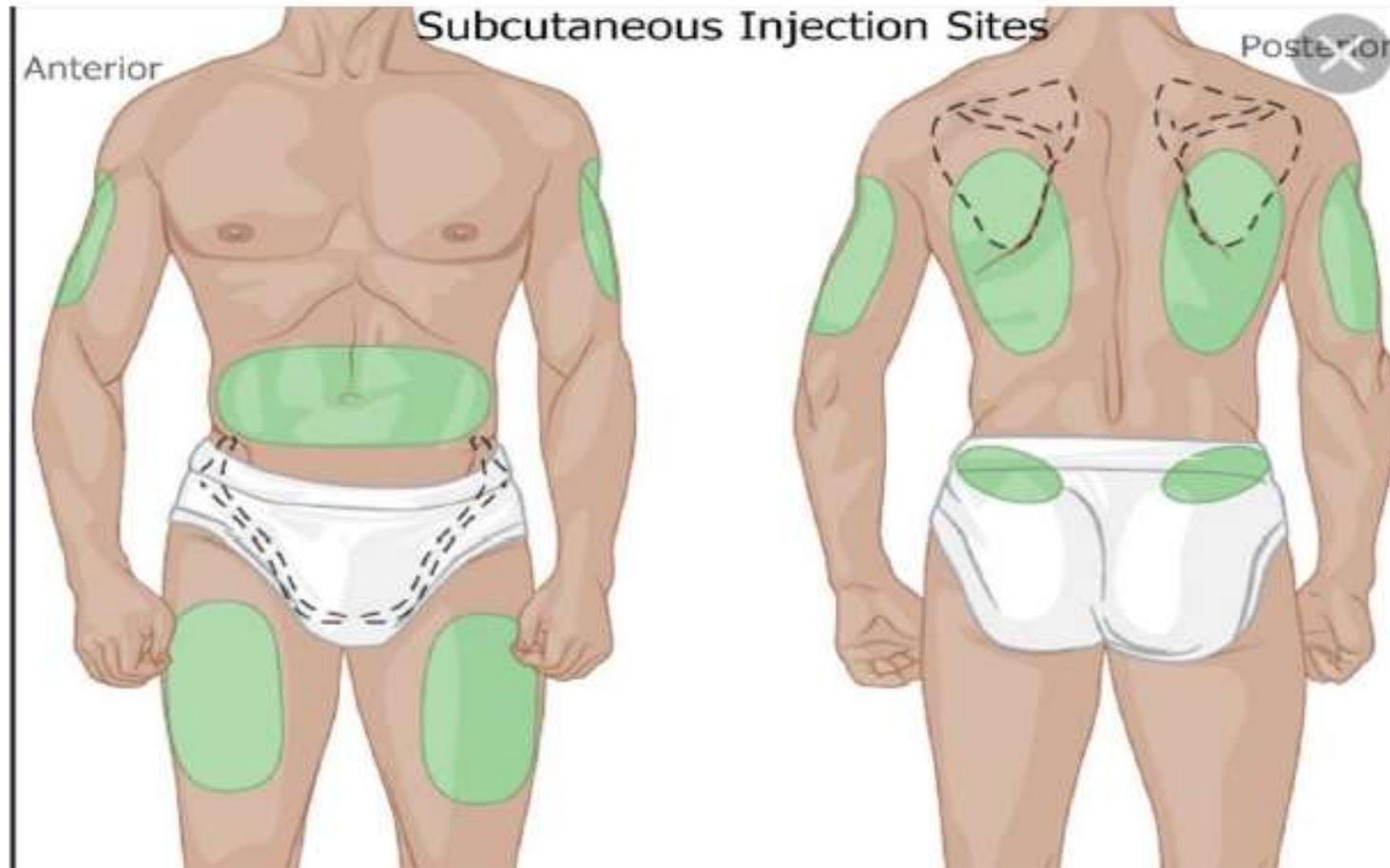


Route of drug administration

SC (Subcutaneous)

- **Site of injection** (upper arm, abdomen, thigh , upper back)
- **Purpose** (used to administration of drug such as (insulin , heparin , hormones , vaccination)
- **Quantity (dose)** 1ml ----2ml
- **Angle of administration** If use of insulin syringe the angle is (90), If use of another syringe the angle is (45)

SC Injection Site



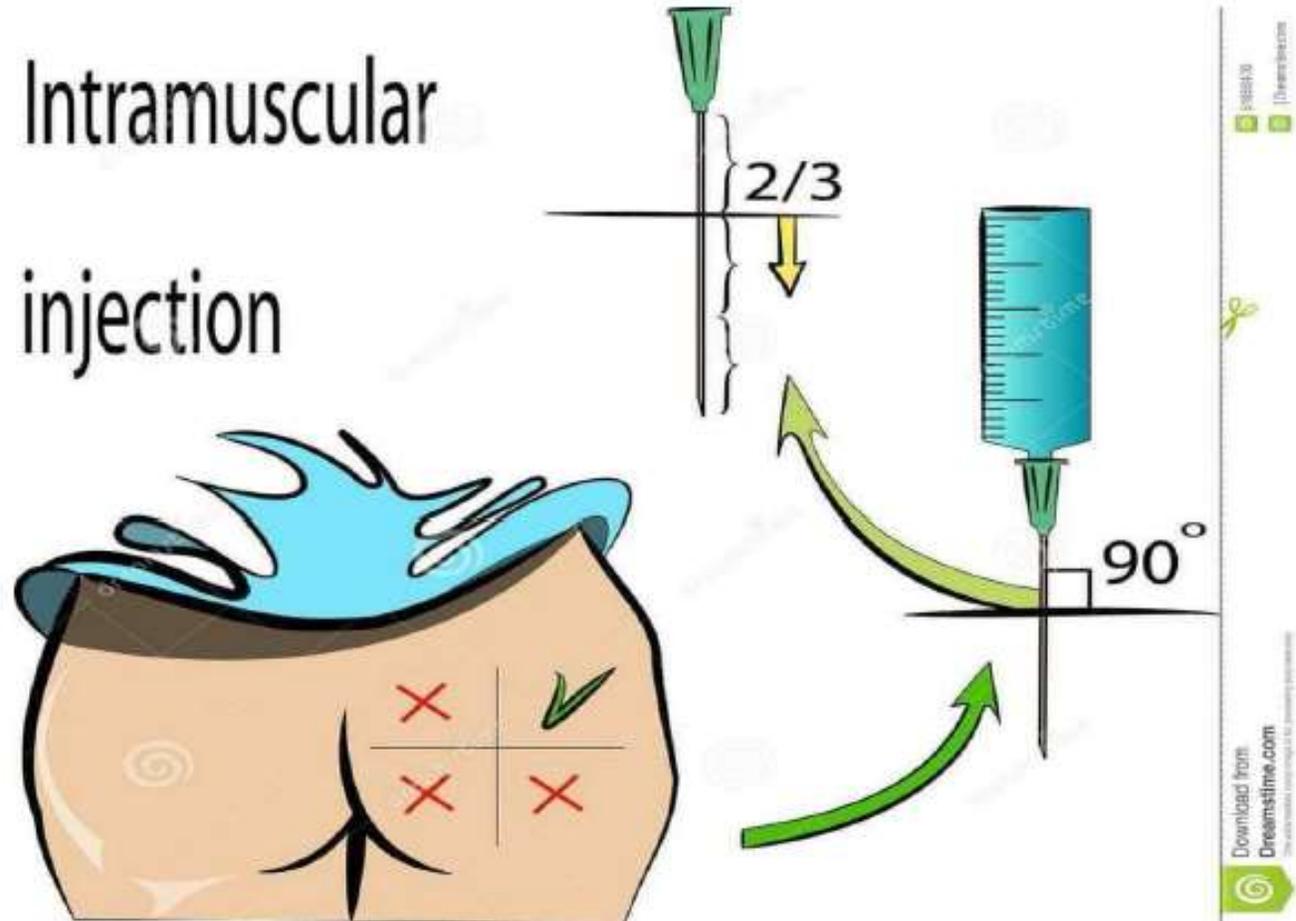
Route of drug administration

- **IM(Intra-muscular):**
 - **Site of injection**
 - **Back(ventrogluteal muscle)-**
 - **Arm (deltoid muscle)**
 - **Thigh(vastus lateralis)**
 - **Quantity (dose) 2----5 ml**
 - **Angle of administration (90)**



IM Injection (Buttocks Area)

Intramuscular
injection

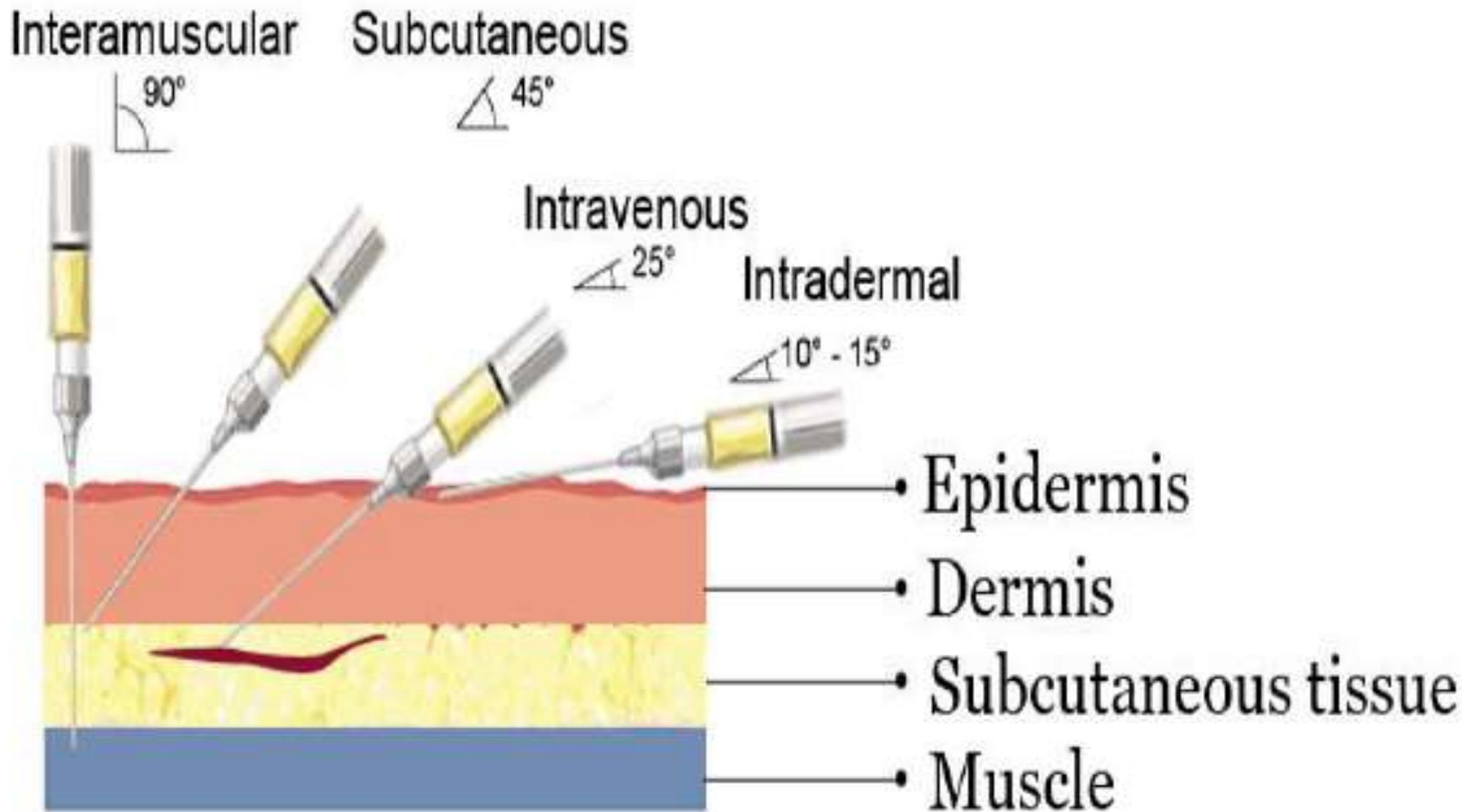


Route of drug administration

- **IV (Intra- venous)**
- **Quantity 5ml-----2000ml**
- **Angle Of Administration (25)**



Types of Parenteral Routes of Administration



Route of drug administration

4. **Oral** --- drug given orally

- **Sublingual** --- drug is placed under the tongue
- **Buccal** --- means administration of the medication between the cheek and gum

