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)

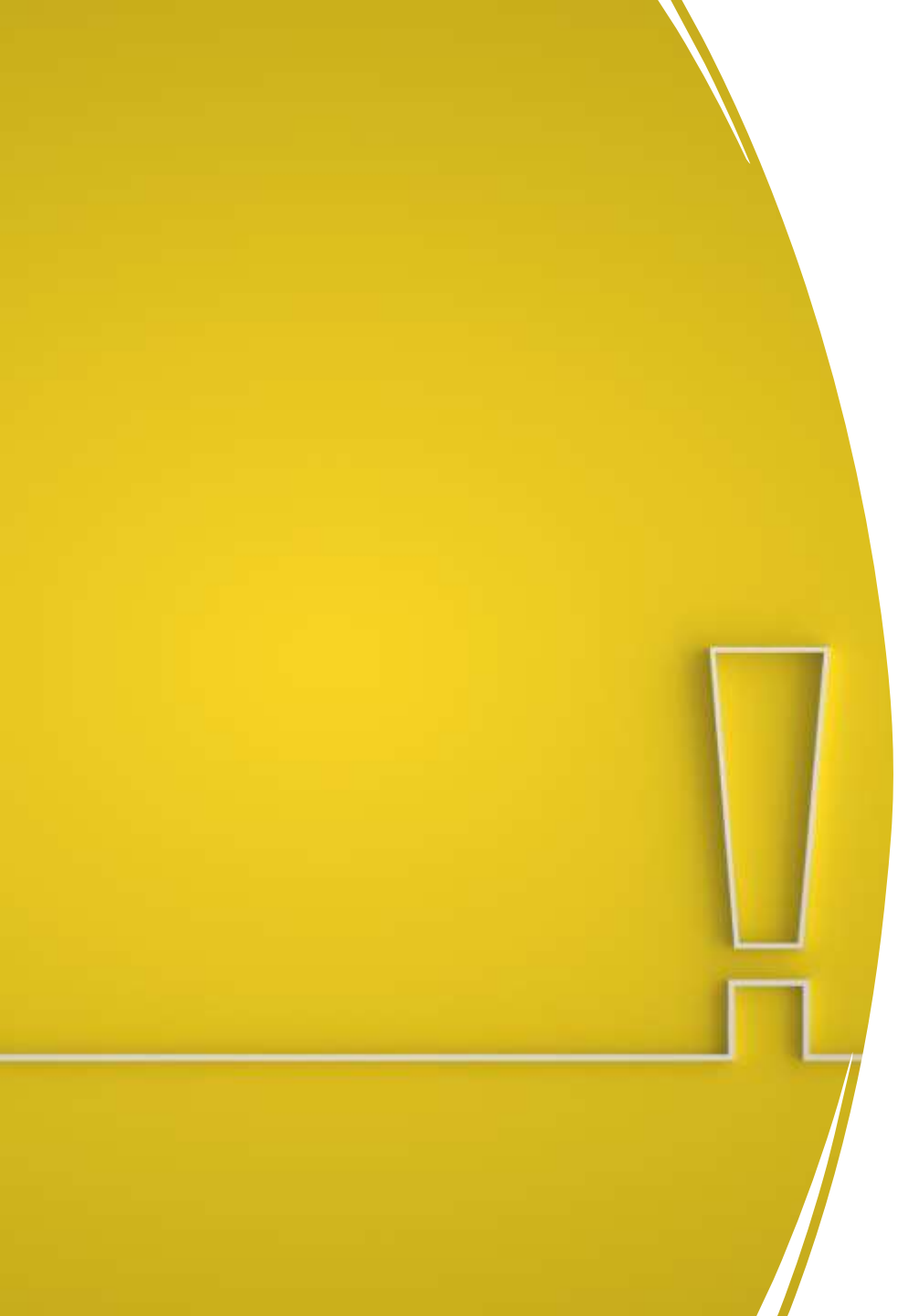
5. Chemotherapy : for malignant tumor

6. Supportive ; to support body function

7. Substative :(insulin)

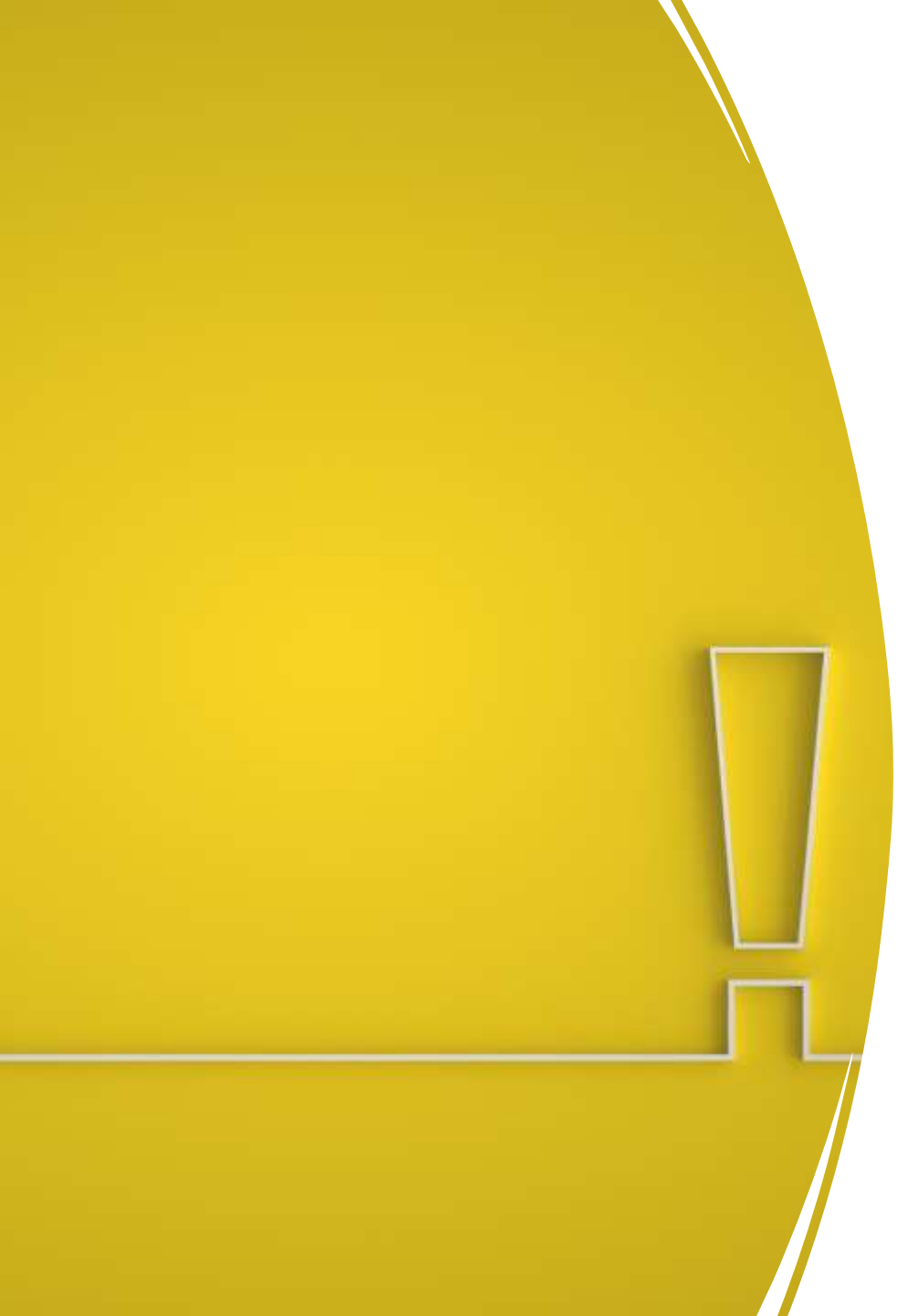
Common group of Drug

- 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)

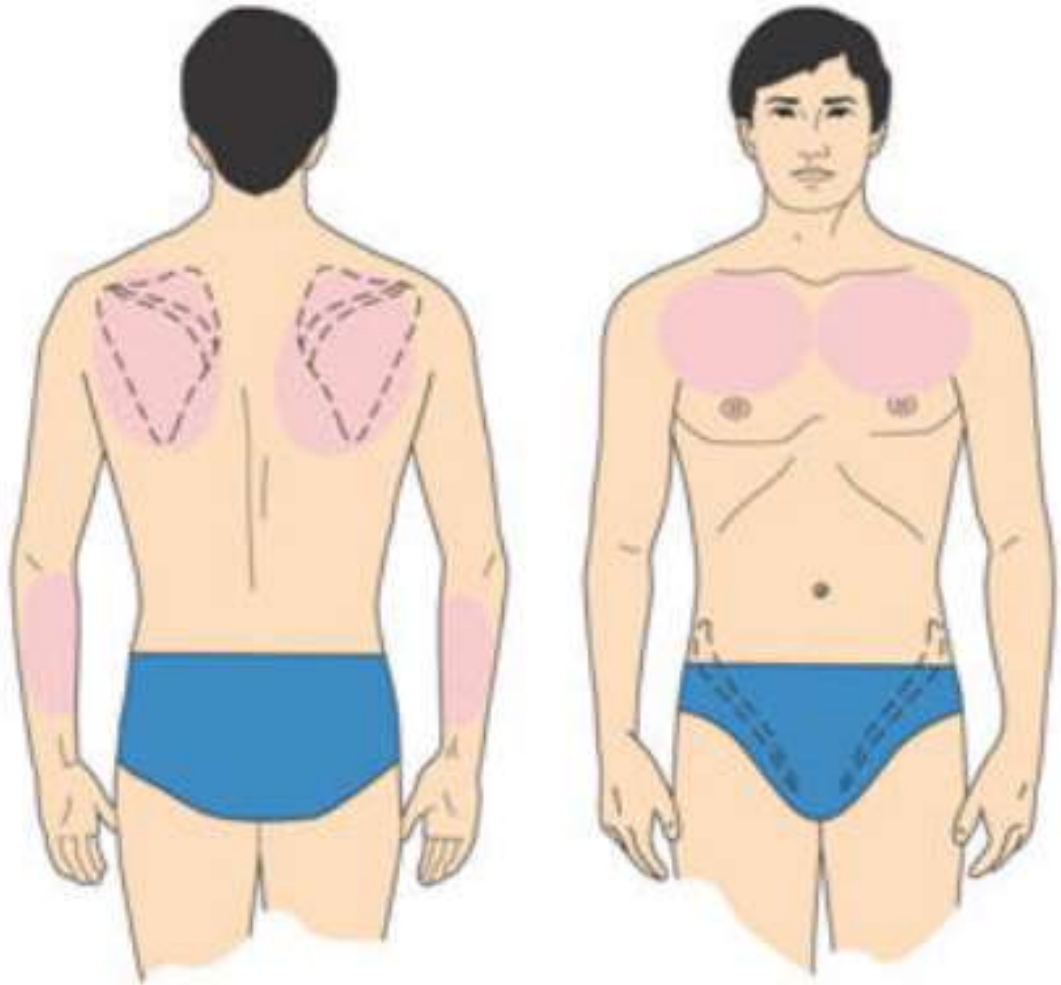
Purpose (allergy test , tuberculin test)

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

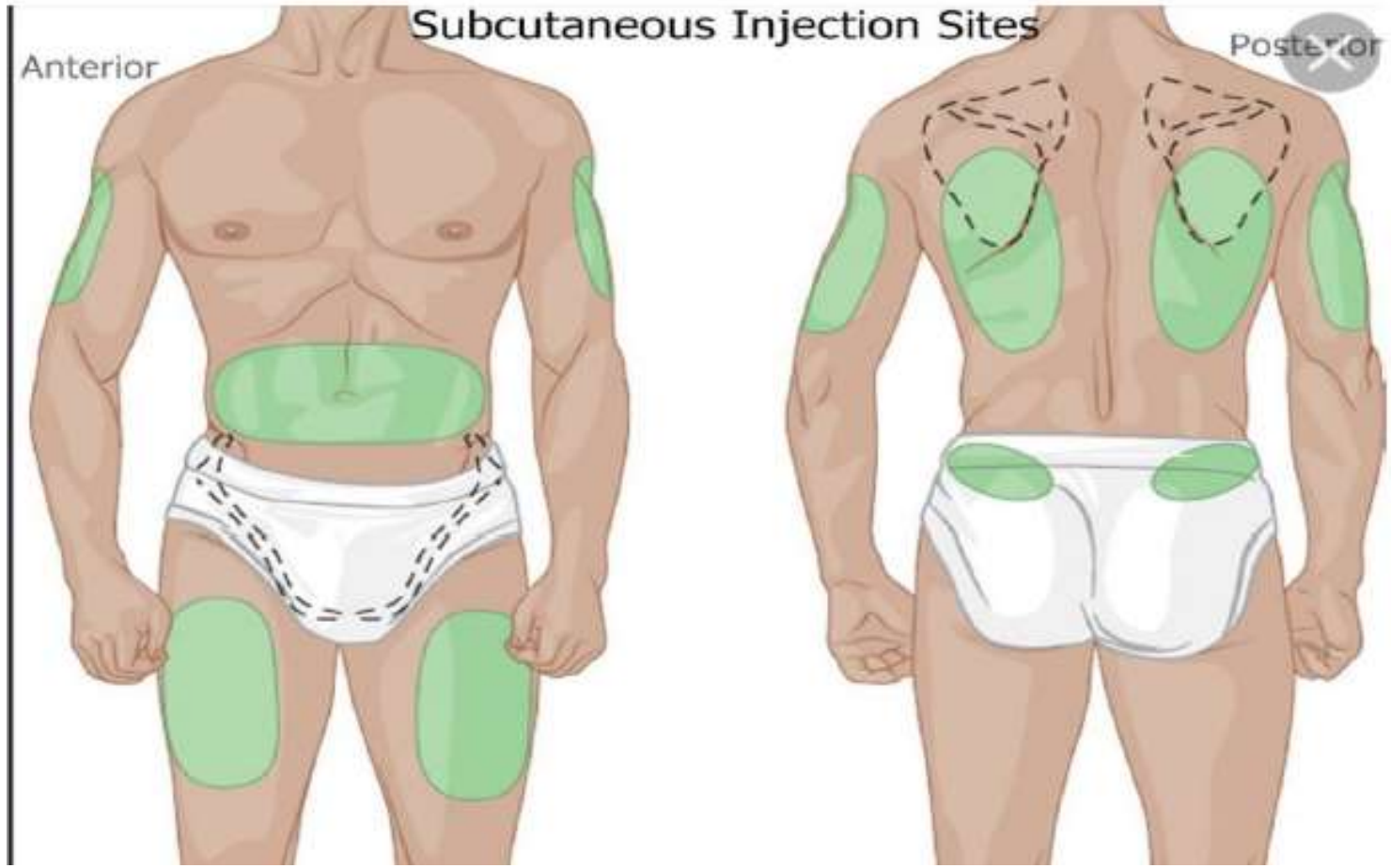
SC (Subcutaneous)

- **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

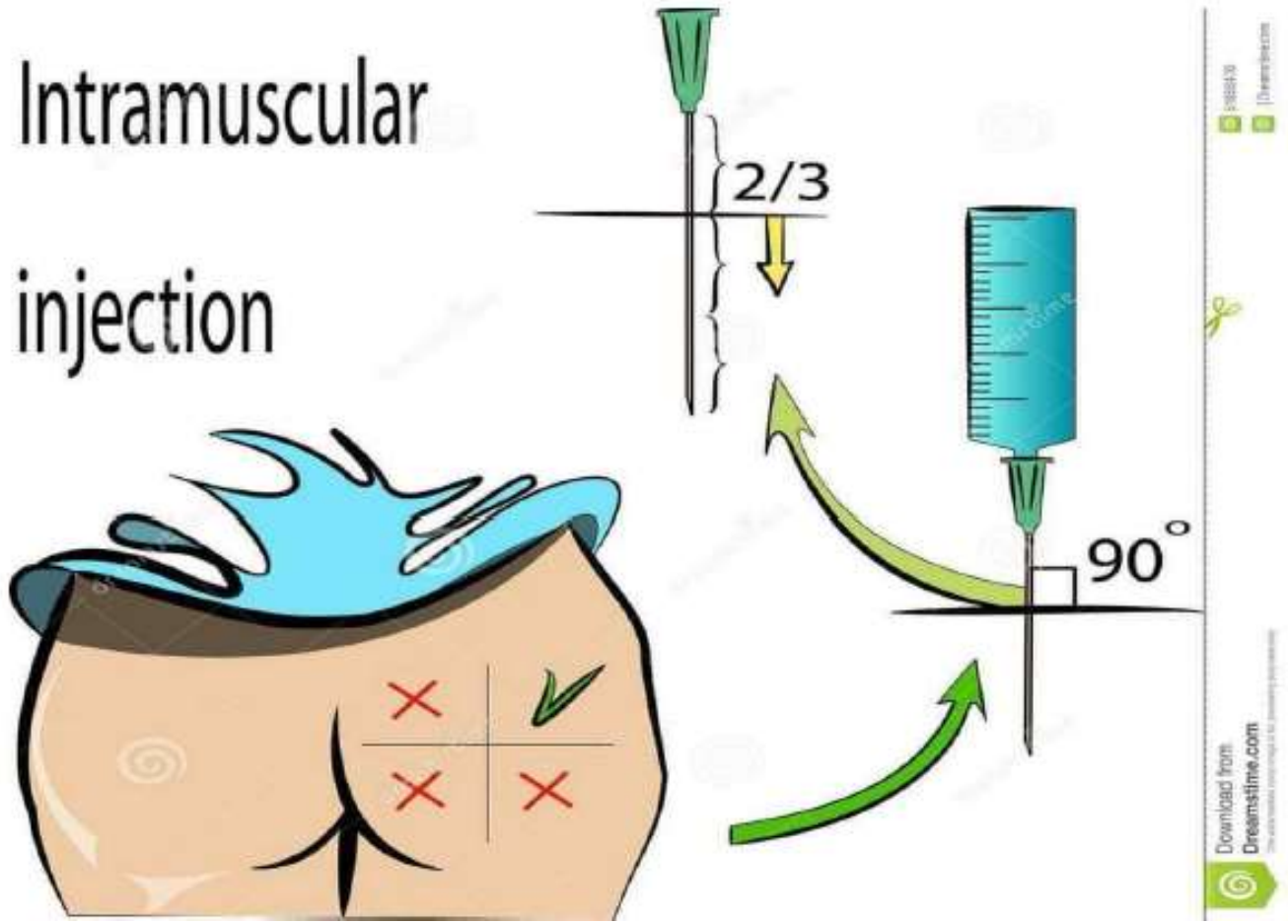
- **IM(Intra-muscular):**

  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)

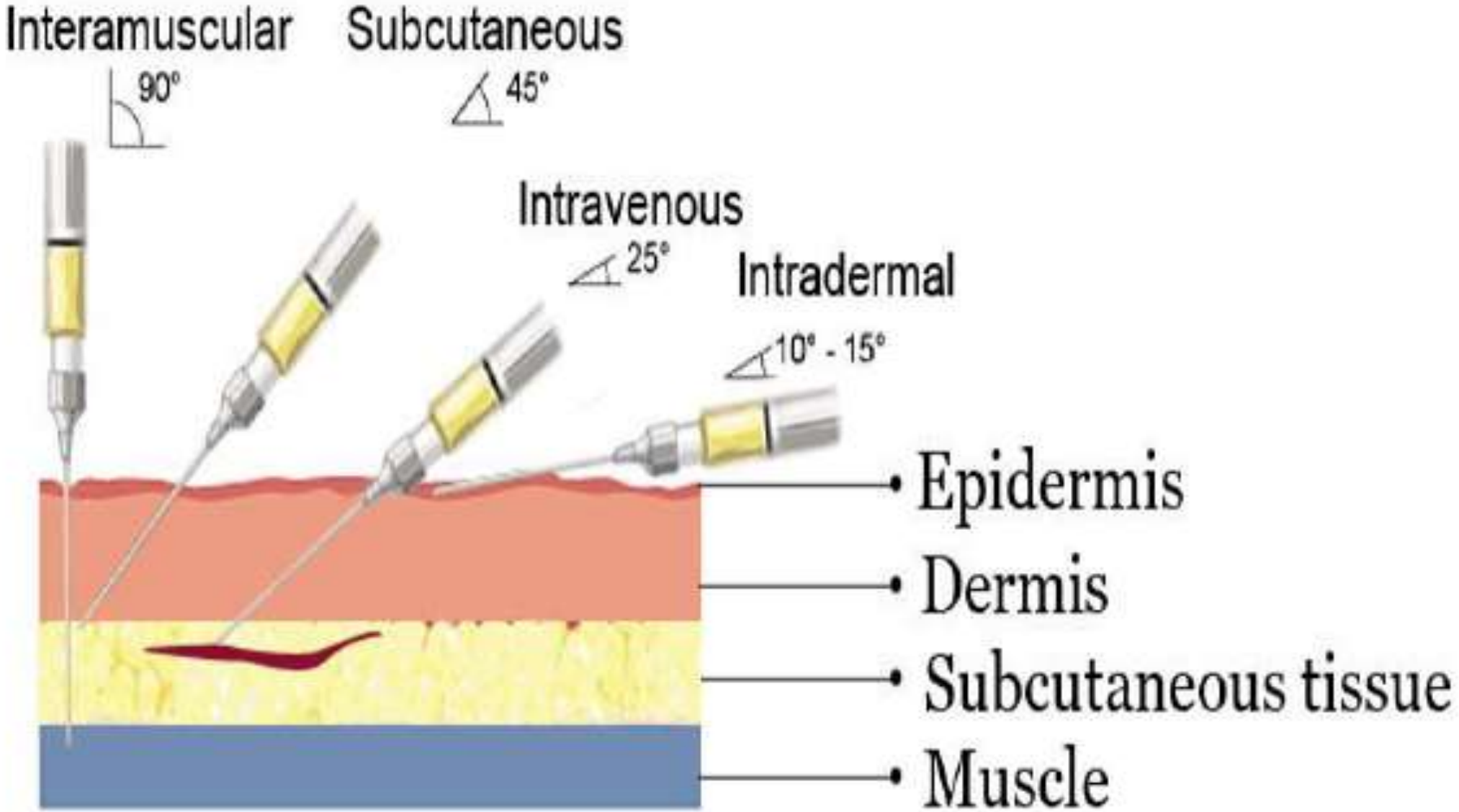


Route of drug administration

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



Types of Parenteral Routes of Administration



Route of drug administration

4. Oral --- drug given orally

- **Sublingua**l --- drug is place under the tongue
- **Buccal** --- means administration the medication between the cheek and gum

