

### **Adult intramuscular Injection Training Mannequin**

1. The material of mannequin should be of polyvinyl or silicone rubber, free from any hazardous materials.
2. The texture of the mannequin should be as close to the feel of the baby/adult skin as relevant.
3. The Internal parts of the mannequin must be realistically sculpted, anatomically accurate and feel must be smooth/resilient/bony as relevant and suitable for simulation.
4. Intramuscular injection training model should have lifelike human torso with intramuscular injection site in upper outer quadrant of palpable gluteal region on both side(left and right)
5. Should have intramuscular injection in ventro gluteal site below iliac crest on both side(left and right)
6. Dimension:60X60X30CM

### **Manikins for Intravenous Training (Arm)**

1. The insertion of cannulas and catheters
2. The infusion of fluids and the injection of medication
3. Draw blood sampling
4. Training arm must have design of life-like adult arm
5. Arm reproductions must have replaceable skin and multi vein system to ensure longevity of training arm
6. Venepuncture must be practiced in antecubital fossa or dorsum of the hand
7. Peripheral IV lines insertion and removal must be performed
8. Accessible veins should include median, basilic and cephalic
9. Palpable veins should have ability to enable site selection and preparation

10. Infusible veins must allow peripheral therapy with IV bolus or push injection method.

### **Metered Dose Inhalers**

- Metered Dose Inhaler Components include: the drug, a propellant mixture, a canister, a metering valve, and a mouthpiece activators, for demonstration purpose.

### **Spacers**

- Add-on device referred to as holding chambers or spacers, which are tubes attached to the inhaler that act as a reservoir or holding chamber and reduce the speed at which the aerosol enters the mouth. They serve to hold the medication that is sprayed by the inhaler.

### **Rotahalers**

- Rotahaler is a plastic dry powder inhalation device to be used with Rota caps which is premeasured single dose medication for inhalation.

### **Nasal sprays**

- for drug administration thru Intranasal route, for demonstration purpose.

### **Transdermal patch**

- It should be non messy and non greasy, water proof.