

COMPETENCY BASED SKILLS TRAINING IN ANIMAL RESEARCH

DAY 1 - ADMINISTRATION OF SUBSTANCES RAT, MOUSE

- a) Non-invasive and invasive methods
- b) Choice of method
- c) Non - invasive methods:
 - i) Mixing with food and water
- d) Invasive methods
 - i) Handling and restraining
 - ii) Topical application
 - iii) Oral dosing
 - (1) Into the mouth
 - (2) Gavage
 - iv) Injection by needle
 - (1) Subcutaneous
 - (2) Intramuscular
 - (3) Intravenous
 - (4) Intraperitoneal
 - (5) Intradermal

DAY 2 - WITHDRAWAL OF BODY FLUIDS IN MICE AND RAT

- a) Aseptic technique
- b) Analgesia and Anaesthesia
- c) Withdrawal of Body Fluids
 - i) Blood
 - (1) Superficial veins
 - (a) Tail vein
 - (b) Saphenous vein
 - (c) Sublingual vein
 - (2) Cardiac puncture
 - (3) Orbital venous sinus collection
 - ii) Urine