



Tikrit University  
College of Veterinary Medicine

# Handling of Animals

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# Handling Technique

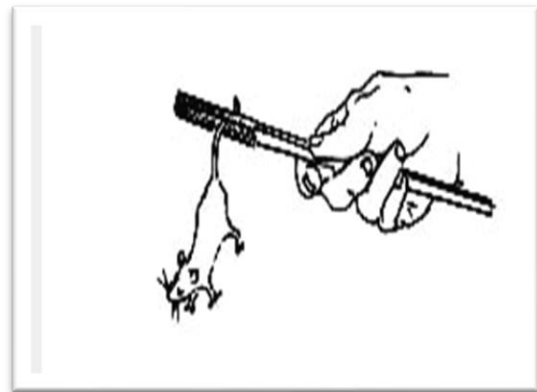
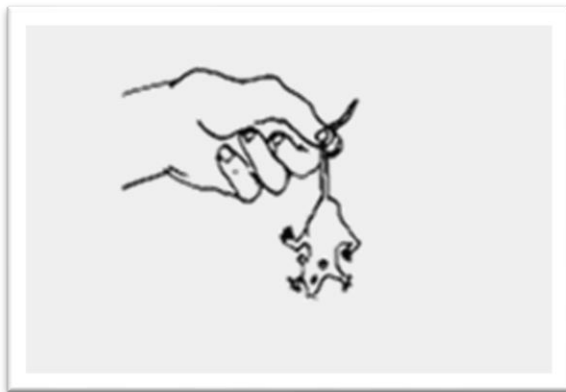
Mouse

- Rat

- Rabbit

## 1-Laboratory Animal Handling Technique – Mouse

Juvenile and adult mice may be caught and picked up by grasping the base or middle third of the tail with the fingers or smooth forceps



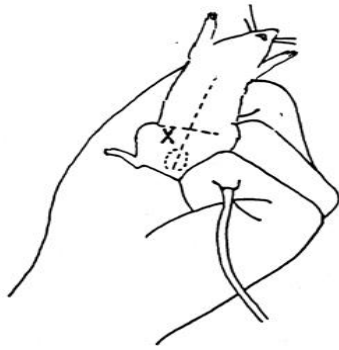
grasping the loose skin behind the neck and ears with the thumb and forefingers, and holding the tail against the palm of the hand using the fourth and fifth fingers



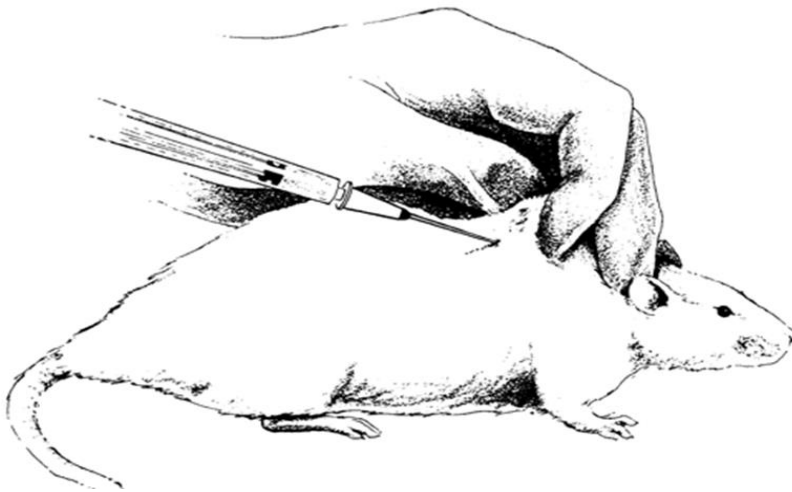
**Oral rout:-** introduce the feeding tube from the pharynx in to the esophagus when the mouse is in the act of swallowing



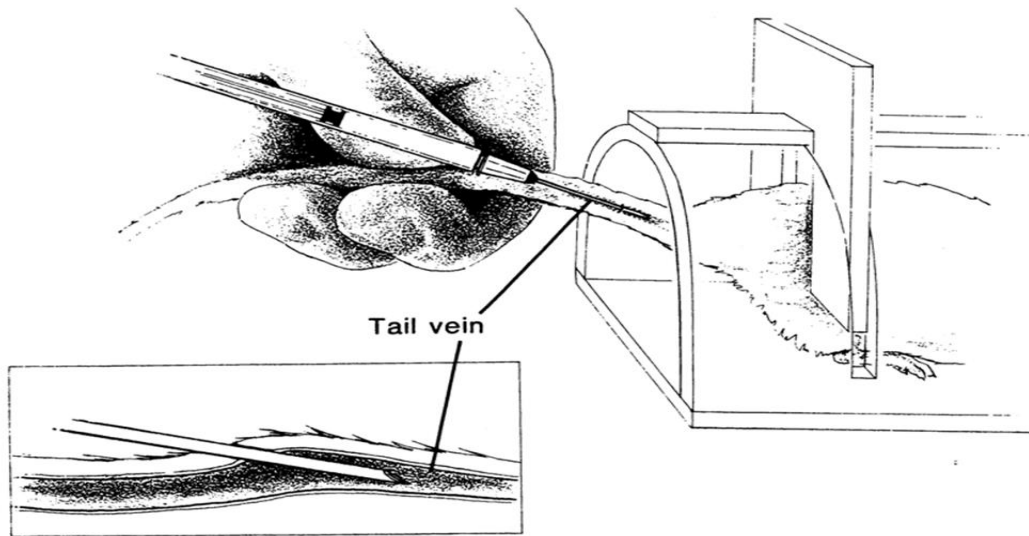
**Intraperitoneal (i.p.)** injections: *These should be given in the lower right quadrant of the abdomen to prevent puncturing the spleen which is located on the left side* A small gauge needle (23-25 gauge) should be used, and a maximum volume of 2-3 ml in adult mice may be injected. This is the most common method of administering drugs and anesthetics to mice.



**Subcutaneous (s.c.) injections:** These may be administered ventrally or dorsally depending on the substance or cells to be injected. When given dorsally the most common location is between the shoulder blades

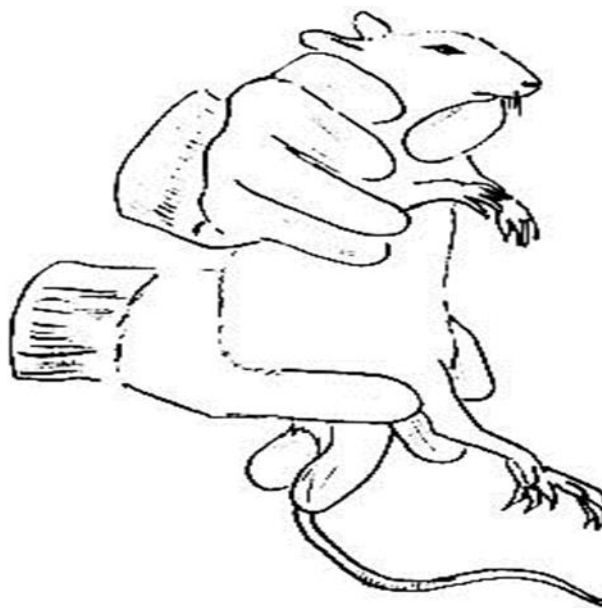


**Intravenous (i.v.) injections:** The tail vein is the most common site for i.v. injections. A tail vein is present at 90° on either side of the central tail artery



## **2-Laboratory Animal Handling Technique – Rat**

RATS may be handled by the tail, with precautions similar to those used for mice, with emphasis on only grasping the tail base. Holding the tail distal to the base.



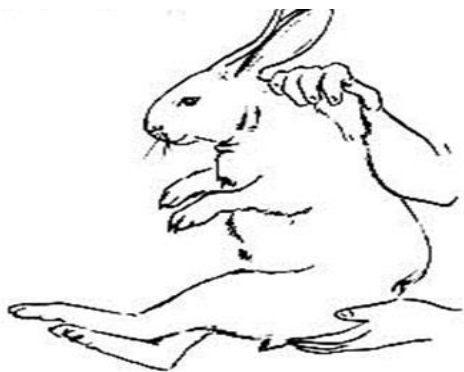


Injection in Rat same in mice



### **3-Laboratory Animal Handling Technique – Rabbit**

Rabbite:-One way of lifting a rabbit is by grasping the skin over the shoulder with one hand and gently lifting it with the other arm cradling the body,



The rabbit should be held its head tucked under the handler's arm and with the back and hindquarters supported by the handler's forearms.



## Injection

Intravenous injections into the rabbit's marginal ear vein can be readily made if the rabbit is restrained with a drape.





Intramuscular Injection in Rabbit Disinfect of skin on the top of thigh muscle



Insert needle perpendicular to the surface of skin and inject the substance inside the syringe





