



# Poisoning and it's treatment

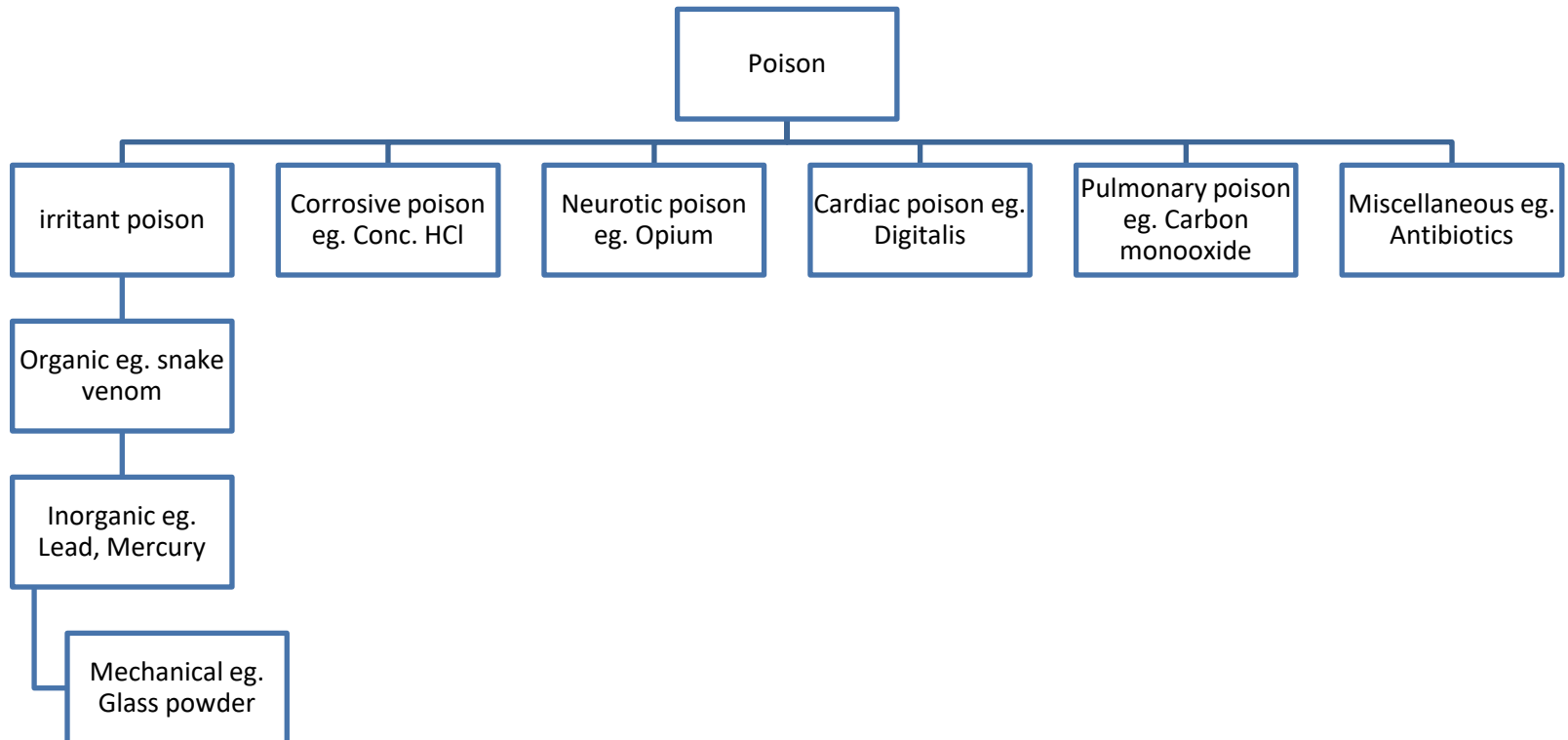
Anupriya Kapoor  
Assistant Professor  
School of Pharmaceutical Sciences,  
CSJM University, Kanpur, India

# What is Poison?

Definition: Poison is a substance that has ability to cause toxic effect on body when taken orally, inhaled, swallowed or applied topically on skin.

1. A substance that is capable of causing the illness or death of a living organism when introduced or absorbed.
2. Poisons are substances that cause death, injury or harm to organs
3. Poisoning can be either acute or chronic, and caused by a variety of natural or synthetic substances

# Classification of Poisons



# **Basic steps at the first sign of a poisoning**

## **a. If the person inhaled poison**

- Get to fresh air right away.

## **b. If the person has poison on the skin**

- Take off any clothing the poison touched. Rinse skin with running water for 15 to 20 minutes.

## **c. If the person has poison in the eyes**

- Rinse eyes with running water for 15 to 20 minutes.

## **d. In some cases, you should not try to give first aid**

- If the person swallowed the wrong medicine or too much medicine

# Types of Poisoning

- a) Deliberate : poison is consumed to commit suicide
- b) Accidental : poison is consumed by mistake
- c) Environmental : poison in form of harmful gasses inhaled from environment
- d) Industrial exposures: exposed to harmful chemicals.

# Poisoning on basis of onset of Action

## **Acute poisoning**

1. Consumption of large amount of poison
2. May be accidental or deliberate
3. Symptoms are critical and severe
4. Rapid treatment is required
5. Can affect cardiac and respiratory system
6. Require supportive, specific and symptomatic treatment

# Symptoms of Poisoning

- feeling and being sick
- diarrhoea
- stomach pain
- drowsiness, dizziness or weakness
- high temperature of 38C (100.4F) or above
- chills (shivering)
- loss of appetite
- headache
- irritability

cont:

- difficulty swallowing (dysphagia)
- breathing difficulties
- producing more saliva than normal
- skin rash
- blue lips and skin (cyanosis)
- burns around the nose or mouth
- double vision or blurred vision
- mental confusion
- seizures (fits)
- loss of consciousness
- coma, in severe cases



# General treatment

- Immediate removal from environment
- Emesis can be induced by following methods .  
Mechanically, use of Ipecac powder or mustard powder, 3 teaspoonful of salt in water, drug Apomorphine
- Gastric lavage by using sodiumbicarbonate solution, activated charcoal, mixture of paraffin and water etc.
- Using antidotes
- Acceleration of elimination of poison by diuresis, dialysis etc.

THANKS