



# Poisoning

By

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## **Definition :-**

Poison is anything that kills or injures through its chemical actions.

## **Routes of intoxications :-**

- 1-Ingestion (oral ) (**Solids, Liquids**)
- 2-Inhalation ( breathing ) (**Sprays ,vapors**)
- 3-Dermal (the skin)
- 4-IV (injection )

# Types of Toxins

## 1- Chemicals

(household cleaning products ).

## 2- Foods

- Some mushrooms are poisonous
- Drinking water contaminated by agricultural or industrial chemicals

## 3- Drugs

- Drugs in excess (overdose ).
- Vitamins, especially A and D, if taken in large amounts can cause death.

# Poisoning Symptoms

- The signs and symptoms seen in poisoning are so wide and variable that there is no easy way to classify them.
- Some poisons enlarge the pupils, while others shrink them.
- Some result in excessive drooling, while others dry the mouth and skin.
- Some speed the heart, while others slow the heart.
- Some increase the breathing rate, while others slow it.

# Toxidromes

Consist of groups of signs and symptoms found together with a given type of poisoning.

## Anticholinergic toxidrome:

- . Rapid heart rate,
- . large pupils, dry hot skin,
- . Retention of urine, mental confusion, hallucinations and coma.

# Remember

- When the illness may be poisoning or may not be poisoning
- Some signs and symptoms of poisoning can imitate signs and symptoms of common illnesses.
- For example, nausea and vomiting can also be found in many illnesses that have nothing to do with poisoning.

# Diagnosis

## 1- History

- The name and The amount of the product
- The time that the poisoning occurred ,
- The age and weight of the person who was poisoned

## 2-Physical examination

## 3-laboratory studies

- reveal the cause of most poisonings.
- toxicology screens in the blood or urine
- the tests ordered will be based on the history and physical exam.

# First Aid

## 1- Unconscious Patient

### ABC

Airway

Breathing

Circulation

### A- NON gastric decontamination

Remove clothes + washing the body for 30/m

### B- Gastric decontamination

Gastric lavage

Activated charcoal

cathartic

### C- Elimination

Forced diuresis - Haemodialysis

### D- Antidote

# First Aid

## 2-Conscious Patient

### A- NON gastric decontamination

Remove clothes + washing the body for 30/m

### B- Gastric decontamination

Emesis ( mechanical or medical “ ipecac”)

Gastric lavage

Activated charcoal

cathartic

Whole bowel irrigation

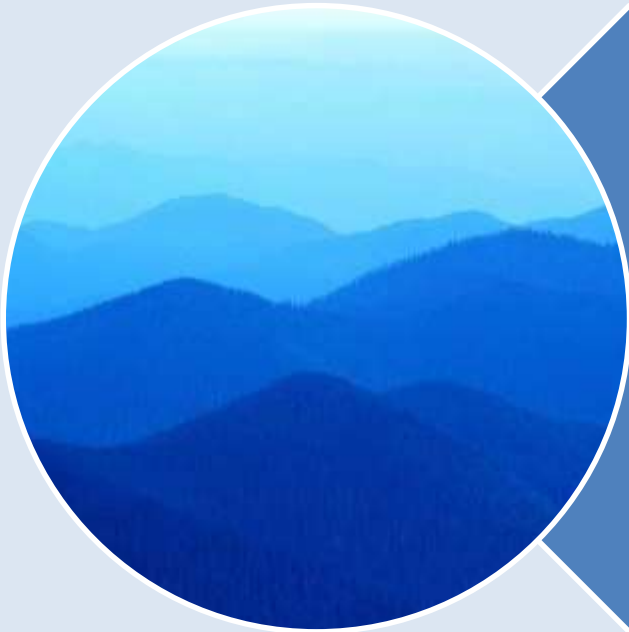
### C- Elimination

Forced diuresis - Haemodialysis

### D- Antidote

# Contraindications

- Emesis ( ipecac )
- Gastric lavage
- Charcoal
- Whole bowel irrigation
- Forced diuresis



**Thank You**