

Toxins & Poisons: Is a solid, volatile or liquid substance that if the body is exposed to it in certain doses orally, injected, or inhaled, harms the body of the organism or leads to death.

Characteristic clinical signs:

1. Vomiting, diarrhea and abdominal pain : It occurs in toxins, uric acids, chlorates, corn meal or flax in large quantities
2. convulsions
3. coma : CO, pr, Narcotics and Phenols
4. Abnormal breathing

A necropsy finding:

The presence of distinctive traces of toxic substances such as the remains of poisonous seeds and plants. One of the most important signs is the presence of **hemorrhagic spots and multiple ulcers**

We notice the coloration of the organs in a reddish-pink color in the case of (CO) toxicity and black in the case of nitric acid toxicity . Liver and kidney fragility appear in case of arsenic, lead and sulfur toxicity.

Arsenic toxicity (As):

It is widely used in our daily lives and can be easily obtained and used or used in the installation of wall paint, insecticides and plants

And it is tasteless and odorless, so it is easy to mix with food and drink, and its symptoms appear after two hours and death occurs after 6-48 hours

The most dangerous type of toxicity is the inhalation of arsenic gas (**AsH₃**), and the signs begin after a few hours (nausea, severe abdominal pain, and urination little and dark)

Generals signs of arsenic toxicity:

(Diarrhea, cramps, feeling thirsty, urinary retention, nausea, severe abdominal pain, Cold extremities, weak pulse,)

A necropsy finding:

Inflammation of the mucous membranes of the alimentary canal with the presence of multiple hemorrhagic spots, especially in the colon and rectum

As for the liver and kidney, the presence of hemorrhagic spots and lung congestion. Inflammation of the fourth palate in livestock