



## Organic Pesticide Poisoning

1. What statement(s) is true regarding "aging" of the AChE- OP complex?

- a. It is yet another consequence of growing old
- b. The enzyme-phosphoryl bond is strengthened by loss of one alkyl group
- c. Atropine is no longer effective in dephosphorylating the AChE-OP complex
- d. Aging occurs over 12-24 hours
- e. All of the above

2. Loss of AChE Function causes:

- a. Muscarinic (parasympathetic) effects
- b. Nicotinic (sympathetic, parasympathetic or somatic muscle) effects
- c. CNS effects
- d. a and c only
- e. a, b and c

3. What is the usual cause of death from acute organophosphate poisoning?

- a. Cardiac arrest

- b. CNS depression
- c. Respiratory failure
- d. Vascular collapse
- e. None of the above

4. Organophosphate-Induced Delayed Neuropathy (OPIDN) is related to phosphorylation and inhibition of AChE.

- a. True
- b. False

5. In the absence of exposure, low levels of RBC cholinesterase are seen in which of the following:

- a. Leukemia and multiple myeloma
- b. Hereditary spherocytosis and polycythemia
- c. Newborns
- d. Liver disease
- e. a and c