

Forensic Review of Entomology Toxicology: The Use of Insects for Toxin Detection in The Case of Human Death

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Abstract

Determining the cause of death is an important factor in the forensic investigation process. "Some aspects of death will be difficult to find if the condition of the body has suffered severe damage when found. "Corpses due to drug abuse found in hidden places are often difficult to know with certainty the cause of death. Insects that eat the corpse tissue, then xenobiotics such as drugs and other toxic substances will be transferred to the larval body's metabolic system so that it is easily detected with sophisticated equipment. "Techniques such as "immunoassays, High-Performance Liquid Chromatography (HPLC), Liquid Chromatography-Mass Spectrometry (LC-MS) and Gas Chromatography-Mass Spectrometry (GC-MS) have been used routinely to detect xenobiotics from the body, larvae, and insects. "The study of "insects as alternative toxicological samples is known as forensic entomotoxicology

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