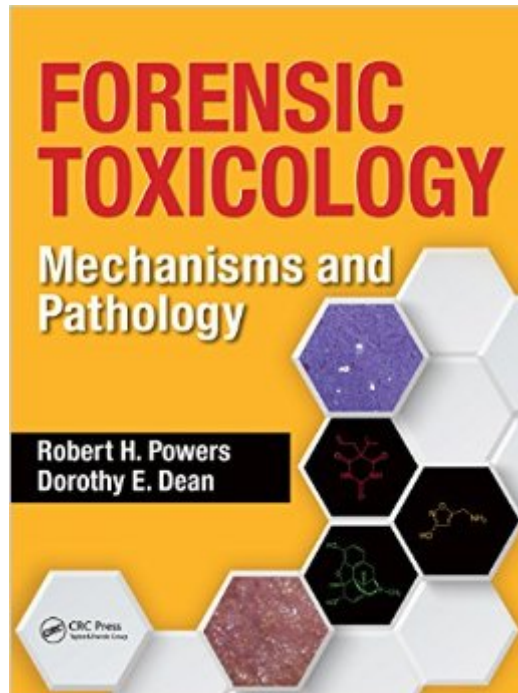


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# Forensic Toxicology: Mechanisms And Pathology



## Synopsis

Designed for upper-level undergraduate and graduate-level courses, *Forensic Toxicology: Mechanisms and Pathology* introduces toxicology concepts from a forensic perspective. The book provides an understanding of the mechanistic basis of the action of drugs and toxins, addressing their physiologic and pathologic consequences on the affected organ system. It is this essential connection of toxicology to physiology and biological systems that provides the basis for the toxicologist to understand the basis of behavioral effects of drugs, and for the forensic pathologist to determine cause of death when drugs may be involved. The book gives an overview of organ system physiology and pathology, and the ways in which toxins and drugs affect those systems. Case histories, photographs of gross pathology, and photomicrographs further illustrate the processes and effects of toxic substances on the body. The book also focuses on technological advances in the field and includes cases that demonstrate real-world consequences of the effects of toxins upon organ systems, such as impairment in a DUI case or the fatal induction of cardiac arrhythmia. A comprehensive introduction to pathology and toxicologic concepts, *Forensic Toxicology: Mechanisms and Pathology* describes the means for identifying types of toxins as well as the key patterns and impacts of drug and toxin processes within the body.

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