



K58 Postmortem Pediatric Toxicology

Robert A. Middleberg, PhD, NMS Labs, 3701 Welsh Road, Willow Grove, PA 19090; Nikolas P. Lemos, PhD, San Francisco Office of the Chief Medical Examiner, Hall of Justice, North Terrace, 850 Bryant Street, San Francisco, CA 94103; Andrew M. Baker, MD, Hennepin County Medical Examiner, 530 Chicago Avenue, Minneapolis, MN 55415; Daniel S. Isenschmid, PhD*, Wayne County, Medical Examiner's Office, 1300 East Warren Avenue, Detroit, MI 48207; Karen F. Ross, MD*, Jefferson Parish Forensic Center, 2018 8th Street, Harvey, LA 70058; and Marina Stajic, PhD*, Office of the Chief Medical Examiner, 520 First Avenue, New York, NY 10016*

After attending this presentation, attendees will be better prepared to interpret postmortem pediatric cases when there are toxicological findings. Attendees will understand the fundamental differences between adults and children in respect to toxicological findings.

This presentation will impact the forensic science community by broadening and deepening the knowledge base around the role of toxicants in postmortem pediatric cases.

In this 10th Annual Special Session within the Toxicology section, pediatric cases involving toxicological findings are discussed. As a relative dearth exists of interpretive information involving toxicological findings in the pediatric population, this session is a forum to help elucidate and clarify such issues. The format is a short case presentation including pharmaco-toxicokinetic data and other relevant ancillary information followed by audience participation to provide interpretive clarity around the case-specific impact of the toxicological findings.

This year's presentations will be by:

Dr. Andrew Baker, Chief Medical Examiner, Hennepin County Medical Examiner, Minneapolis, MN will present a case-specific issue involving the role of a toxicant in a pediatric death.

Dr. Dan Isenschmid, Chief Toxicologist, Wayne County Medical Examiner's Office, Detroit, MI will discuss a case highlighting the concept that "Children Are Not Small Adults" through discussion of single dose administration of oxycodone.

Dr. Karen Ross, Assistant Coroner and Pathologist, Jefferson Parish Forensic Center, Harvey, LA will discuss a case highlighting the continued concerns of over-the-counter (OTC) preparations and exposures in children. Despite the FDA's mandate to remove OTC infant preparations, it is doubtful that the use of such preparations in this population will stop. Recognition of safety concerns with these products in children far exceeds the relatively recent media attention given the subject.

Dr. Marina Stajic, Chief Toxicologist, Office of Medical Examiner, New York, NY, will bring forward an unusual case involving fentanyl in a child. As a potent opioid with a narrow therapeutic index, fentanyl represents both a highly effective pain medication and a potential significant contributor to toxic sequelae. The illicit exposure of children to this compound is of significant concern due to its toxicological properties.

Pediatric, Toxicology, Postmortem