University of Virginia
Department of Emergency Medicine
Division of Medical Toxicology’s
2015 Research Activities

Our research interests span a broad range of research including collaborative studies on new antidotes, criminal poisonings, toxic contamination of products, and projects studying the use of patient simulators for training. Furthermore, we also investigate the trends associated with clinical epidemiology, pharmacoepidemiology, and injuries. Specific topics include snake envenomations, emerging drugs of abuse, accidental and intentional abuse of prescription medications, utilization of hemodialysis of poisonings, and drug-facilitated sexual assault.

COLLABORATIONS FOR RESEARCH

| American Association of Poison Control Centers | Critical Incident Analysis Group | University of Virginia Medical Reserve Corps |
| American College of Medical Toxicology | Drug Enforcement Agency | University of Virginia Office of Health Promotion |
| Center for Substance Abuse Research/National Drug Early Warning System | Federal Bureau of Investigation's Critical Incident Response Group (CIRG) | University of Virginia Student Health |
| Centers for Disease Control and Prevention, Epidemiological Intelligence Service | National Social Norms Institute | University of Virginia School of Medicine Department of Public Health Sciences |
| College Health Surveillance Network | Rocky Mountain Poison and Drug Center | Virginia Department of Health (VDH) |

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RESEARCH TEAM

Faculty
Christopher Holstege, MD
Nathan Charlton, MD
Heather Borek, MD
Joshua King, MD
Andy Baer, MD
Greg Saathoff, MD

Medical Toxicology Fellows
2013-2015
Joshua King, MD

2014-2016
Jennifer Parker-Cote, MD

Epidemiologist
Priyanka Vakkalanka, ScM
POSTER PRESENTATIONS

International Congress of the European Association of Poisons Centres and Clinical Toxicologists, St. Julians, Malta

American Society of Addiction Medicine, Austin, TX
- Ponce Martinez C, Vakkalanka JP, Ait-Daoud N. Perspectives of Pharmacotherapy for Alcohol Use Disorders.

American College of Medical Toxicology Annual Scientific Meeting, Clearwater, FL

North American Congress of Clinical Toxicology, San Francisco, CA

American Society of Nephrology, San Diego, CA

Asian Pacific Association Medical Toxicology Scientific Conference, Perth, Australia
Josh King presenting at the American Society of Nephrology. San Diego, California

ORAL PRESENTATIONS

International Congress of the European Association of Poisons Centres and Clinical Toxicologists. St. Julian’s, Malta.

American College of Medical Toxicology Annual Scientific Meeting. 2015, Clearwater, Florida.

Asian Pacific American Medical Toxicology Scientific Conferences. 2015, Perth, Australia.

CONFERENCES PARTICIPATION

Asian Pacific Association Medical Toxicology Scientific Conference
The APAMT is an international association established by a group of medical toxicologists in 1989. Its goal is to promote chemical safety, poison control and treatment within the Asia Pacific Region.

Society of Critical Care Medicine
The SCCM serves the needs and represent the interests of critical care practitioners; to provide opportunities for involvement in local and regional activities; and to ensure the delivery of the highest quality of care to our communities.

GRANTS

Academy of Distinguished Educators
Innovations in Toxicological Education through Mock Patient Cases and Critical Peer-to-Peer Evaluation

Purdue Pharma
Research in Abuse, Diversion, and Addiction Related Surveillance (RADARS)

OTHER

The Poison Center issues a Tox Talks newsletter on a semi-annually basis. 2015 topics include:
- Dextromethorphan Toxicity, Charlton, JAN
- Decontamination, Holstege, FEB
- Mushroom Toxicity, Parker Cote, JUN
- Black Widow Spider Envenomation, Holstege, JUL
- Hazmat Incident Review: South Carolina Train Derailment, Holstege, AUG
- Seafood Toxicity, Charlton, SEP
- Novel Psychoactive Agents: An Overview, King, OCT
- Emerging Trends in Illicit Substances, Vakkalanka, NOV
PEER-REVIEWED PUBLICATIONS

- King JD, Parker Cote JL. Articles you might have missed. J. Med Toxicol 2015;11:137-140.

BOOK CHAPTERS