

Curriculum Vitae
Hong K. Kim M.D., M.P.H.
Assistant Professor
Department of Emergency Medicine
University of Maryland School of Medicine

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Contact Information

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Foreign languages: Korean (native) and Spanish (working knowledge)

Education

1997 B.S., Biological Science, University of California Irvine (Cum Laude)
1997 B.A., Social Science, University of California Irvine (Cum Laude)
2001 M.P.H., Johns Hopkins School of Public Health, International Health
Thesis: "Synergistic effect of concurrent vitamin A and zinc supplementation on malaria morbidity and mortality among children under five."
2007 M.D., University of California San Francisco School of Medicine

Post Graduate Education and Training

2007 – 2011 Residency, Emergency Medicine, New York University Langone Medical Center/Bellevue Hospital Center, NY, NY
2011 – 2013 Fellowship, Medical Toxicology, New York University School of Medicine/New York City Poison Control Center, NY, NY

Certificates

2012 Diplomat, American Board of Emergency Medicine
2014 Diplomat, American Board of Emergency Medicine - Medical Toxicology

Medical Licensures

Active Maryland
Inactive New York

Employment History

Academic Appointments

2013 – present Assistant Professor, Department of Emergency Medicine, University of Maryland School of Medicine, Baltimore, MD

- 2015 – present Faculty, Medical Toxicology Fellowship, George Washington University Medical Center, Washington DC
- 2015 – present Interim Medical Director, University of Maryland School of Pharmacy, Maryland Poison Center, Baltimore, MD

Other Employment

- 2012 – 2013 Attending Physician, Department of Emergency Medicine, Woodhull Medical Center, Brooklyn, NY
- 2012 – 2013 Attending Physician, Department of Emergency Medicine, Veterans Affairs New York Harbor Healthcare System – Manhattan, New York, NY

Professional Society Membership

- 2007 – 2011 General member, Emergency Medicine Resident’s Association
- 2007 – present General member, American College of Emergency Physicians
- 2011 – present General member, American College of Medical Toxicology
- 2011 – present General member, American Academy of Clinical Toxicology

Honors and Awards

- 2006 UCSF School of Medicine Alumni Association Scholarship Recipient
- 2003 – 2007 UCSF School of Medicine Dean’s Scholarship Recipient
- 1997 Dean’s Academic Achievement and Service Award, UC Irvine

Clinical Activities

Clinical Expertise

Board certified in Emergency Medicine
 Board certified in Medical Toxicology

Scope of Clinical Practice

- Site of Primary Practice: Mercy Medical Center, Baltimore, MD
- Total number of encounters: >2,000 per year
- Responsibilities with Practice: Attending emergency medicine physician
- Total Time Spent: 75% FTE

- Site of Secondary Practice: University Maryland Medical Center, Baltimore, MD
- Total number of encounters: 20 per year
- Responsibilities with Practice: Medical Toxicology Consult Service, consulting physician
- Total Time Spent: 5 – 10% FTE

- Site of Tertiary Practice: Maryland Poison Control Center, Baltimore, MD
- Responsibilities with Practice: Medical Director & Medical Toxicology consultant
50% FTE

- Site of Quaternary Practice: National Capital Poison Control Center, Washington, DC
- Responsibilities with Practice: Medical Toxicology consultant

Administrative Service

- 2010 – 2011 Chief Resident, Department of Emergency Medicine, NYU School of Medicine/Bellevue Hospital Center, NY, NY
- 2014 – present Medical Toxicology Consult Service, Department of Emergency Medicine, University of Maryland School of Medicine, Baltimore, MD
- 2015 – present Medical Toxicology curriculum leader, Department of Emergency Medicine, University of Maryland School of Medicine, Baltimore, MD
- 2016 – present Alternate member, School of Medicine Council, Department of Emergency Medicine, University of Maryland, Baltimore, MD

Local Service

- 2013 – present Medical Toxicology consultant, National Capital Poison Control Center, Washington, DC
- 2015 – present Medical Toxicology consultant, Maryland Poison Control Center, University of Maryland School of Pharmacy, Baltimore, MD

Teaching Service

International

- 1998 – 2000 Secondary Education Volunteer, Peace Corps, Ghana, West Africa
- Science education - 120 secondary school students

School of Medicine

- 2011 – 2013 Small Group Discussion Leader
Autonomic Nervous System, New York University School of Medicine, NY
- 25 – 30, 2nd year medical students – 2 contact hours/year
- 2012 – 2013 Afternoon Round Discussant
New York City Poison Control Center, NY
- 5 – 10, 3rd and 4th year medical students – 24 contact hours/year
- 2012 – 2013 Toxicological Simulation Case Discussant
New York City Poison Control Center, NY
- 3 – 5, 3rd and 4th year medical students – 10 contact hours/year
- 2013 – present Clinical Toxicology Cases – Small Group, Pathophysiology and Therapeutics, University of Maryland School of Medicine
- 20, 2nd year medical students – 2 contact hours/year
- 2013 – present Introduction to Clinical Medicine, University of Maryland School of Medicine, Baltimore MD
- 4, 2nd year medical students – 14 plus contact hours/year
- 2016 Emergency Medicine Interest Group EKG lab Discussant
University of Maryland School of Medicine, Baltimore MD
- 5, 1st year medical students – 1 contact hour/year

School of Pharmacy

- 2015 – present Case Conference Discussant
Maryland Poison Center, University of Maryland School of Pharmacy,
Baltimore MD
- 2 pharmacy students per month – > 300 contact hour per year

Medical Resident Teaching

- 2010 – 2011 Morning Report Discussant
Department of Emergency Department, New York University School of
Medicine/Bellevue Hospital Center
- 10 – 20, emergency medicine residents –12 contact hours/year
- 2012 – 2013 Afternoon Round Discussant
New York City Poison Control Center
- 10 – 20, emergency medicine residents/month –24 contact hours/year
- 2012 – 2013 Toxicological Simulation Case Discussant
New York City Poison Control Center
- 10, emergency medicine residents –12 contact hours/year
- 2011 – 2013 Small Group Discussion Leader
Emergency Medicine Residency Conference, Department of Emergency
Medicine, NYU School of Medicine/Bellevue Hospital Center
- Hypoglycemic agents
 - Pulmonary irritants and radiation exposure
 - Toxic bradycardia
 - Toxic alcohol
 - Drug of abuse
 - Anticoagulants
 - Toxic tachycardia
 - What’s in an “ampule?”
- 10 – 15, emergency medicine residents: 1 – 2 contact
hour/session/year
- 2013 – 2016 Case Conference Discussant
National Capital Poison Control Center, Washington DC
- George Washington EM residents, 2 pharmacy students/month – 25
contact hours/year
- 2015 – present Case Conference Discussant
University of Maryland School of Pharmacy, Maryland Poison Center,
Baltimore MD
- University of Maryland and John Hopkins EM residents – 300 contact
hours/year

Pharmacy Resident Teaching

- 2015 – present Case conference Discussant
University of Maryland School of Pharmacy, Maryland Poison Center,
Baltimore MD
- 6 – 8 clinical pharmacy residents per year – > 200 contact hour per year

Publications

Peer-reviewed journal articles

1. Wong BJF, Milner TE, **Kim H**, Nelson JS, Sobol EN. Stress Relaxation of Porcine Septal Cartilage During Nd:YAG ($\lambda = 1.32 \mu\text{m}$) Laser Irradiation: Mechanical, Optical and Thermal Responses. *J Biomed Optics*. 1998;3:409-414. [PMID: 23015140]
2. Wong BJF, Milner TE, **Kim HK**, Telenkov S, Chew CF, Sobol EN, Nelson JS. Characterization of Temperature Dependent Biophysical Properties During Laser Mediated Cartilage Reshaping. *IEEEJ Selected Top Quantum Electronics*. 1999;5:1095-1102.
3. Wong BJF, Milner TE, **Kim HK**, Chao K, Sun CH, Sobol EN, Nelson JS. Proteoglycan Synthesis in Porcine Nasal Cartilage Grafts Following Nd:YAG ($\lambda = 1.32 \mu\text{m}$) Laser Mediated Reshaping. *Photochem Photobiol*. 2000;71:218-224. [PMID: 10687397]
4. Wong BJF, Chao KKH, **Kim HK**, Chu EA, Dao X, Gaon M, Sun CH, Nelson JS. The Porcine and Lagomorph Septal Cartilages: Models for Tissue Engineering and Morphologic Cartilage Research. *Am J Rhinol*. 2001;15:109-116. [PMID: 11345149]
5. Chao MC, **Kim HK**, Crumley RL, Wong BJ. Bipolar Radiofrequency Plasma-mediated Ablation of Porcine Nasal Septal Cartilage: A Pilot Investigation. *Am J Rhinol*. 2005;19:488-94. [PMID: 16270604]
6. Thomas TL, Hsu EB, **Kim HK**, Colli S, Arana G, Green GB. The Incident Command System in Disasters: Evaluation Methods for a Hospital-Based Exercise. *Prehospital Disaster Med*. 2005;20:14-23. [PMID: 15748010]
7. Cameron SJ, Green GB, White NC, Laterza OF, Clarke W, **Kim HK**, Sokoll LJ. A Comparative Study of BNP and NT-proBNP in Patients Presenting to the Emergency Department with Suspected Acute Coronary Syndromes. *Clin Biochem*. 2006 Jan;39(1):11-18. [PMID: 16330013]
8. **Kim HK**, Shawn LK, Nelson LS, Jang DH. Articles you might have missed. *J Med Toxicol*. 2012;8:83-85.
9. **Kim HK**, Hoffman RS, Nelson LS Buprenorphine may not be as safe as you think: A pediatric fatality from unintentional exposure. *Pediatrics*. 2012 Dec;130(6)e1700-3. doi: 10.1542/peds.2012-1342. Epub 2012 Nov 5. [PMID: 23129079]
10. **Kim HK**, Takematsu M, Biary R, Hoffman RS, Smith SW. Epidemic gasoline exposures following Hurricane Sandy. *Prehosp Disaster Med*. 2013 Dec;28(6):586-91. [PMID: 24237625]
11. **Kim HK**, Nelson LS. Reducing the harm of opioid overdose with the safe use of naloxone: a pharmacologic review. *Exp Op Drug Safety*. 2015 July;14(7)1137-46. [PMID: 25865597]
12. **Kim HK**, Nelson LS. Reversal of opioid-induced ventilatory depression using low-dose naloxone (0.04 mg): a case series. *J Med Toxicol* 2016 Mar;12(1):107-10. [PMID: 26289651]
13. **Kim HK**, Heverling H. et al. Internet Training Resulted in Improved Trainee Performance in a Simulated Opioid Poisoned Patient as Measured by Checklist. *J Med Toxicol* 2016 April 1. [Epub ahead of print] [PMID: 27037564]
14. Wilkerson RG, **Kim HK**, Windsor TA, Mareiniss DP. The opioid epidemic in the United States. *Emerg Med Clin North Am* 2016 May;34(2):e1-e23. [Epub 2016 Feb 17][PMID: 27133252]

Non-peer-reviewed journal articles

1. Chew C, Wong BJF, **Kim H**, Gomez A, Sobol EN, Milner TE. Thermo-Optical-Mechanical Response of Laser Treated Cartilage: Effects of Variation of Cartilage pH Environment. Proc SPIE, 1998;3245:206-216.
2. Wong BJF, Milner TE, **Kim H**, Telenkov, S, Chew C, Kuo T, Smithies D. Critical Temperature Transitions in Laser Mediated Cartilage Reshaping. Proc SPIE. 1998;3245:161-172.
3. Kuo T, **Kim HK**, Milner TE, Nelson JS, Sobol EN, Wong BJF. Effect of Partial Denaturation of Nd:YAG Laser-Mediated Stress Relaxation of Porcine Septal Cartilage. Proc SPIE. 2000;3914:75-85.
4. Chao KKH, Wong BJF, **Kim HK**, Milner TE, Sun CH, Sobol EN, Nelson JS. Variability of Porcine Nasal Septal Cartilage Grafts Following Nd:YAG ($\lambda = 1.32 \mu\text{m}$) Laser Radiation. Proc SPIE. 2000;3914:543-552.
5. **Kim HK**, Wong BJF, Benton HP, Liaw LH, Nelson JS, Milner TE. Histology of Porcine Nasal Cartilage Grafts Following Nd:YAG (1320 nm) Laser-mediated Reshaping: Effects of Sequential Irradiation. Proc SPIE. 2001;4257:240-246.
6. **Kim HK**, Manini A. Methadone-associated sudden cardiac death? Am J Med. 2008;121:e11.
7. **Kim HK**, Nelson LS. Buprenorphine: can it be deadly in a dose? Emerg Med. 2012;44(2):20-22.
8. **Kim HK**, Nelson LS, Jang D. ABC's of CCBs. Emerg Med. 2012;44(4):18-20.
9. **Kim HK**, Nelson LS. Are you what you eat? Pica in pregnant women. Emerg Med. 2012;44(7):4-6.
10. **Kim HK**, Nelson LS. How much naloxone is too much depends on your patient. N Engl J Med. 2012;367:1371-2. [PMID 23034042]

Abstracts

1. **Kim HK**, Faustin C, Sokoll LJ, Laturza OF, Green GB. Serum Markers of Coronary Prothrombotic State Identify High-risk Patients Missed by Traditional Myocardial Markers. Acad Emerg Med. 2003;10: 429-a (Platform presentation at Society of Academic Emergency Medicine Annual Meeting, Boston, MA, 2003)
2. Hsu EB, Thomas TL, **Kim HK**, Colli SJ, Arana G, Green GB. Evaluation Methods for the Incident Command System in Disasters. Acad Emerg Med. 2004;11:467
3. King M, **Kim HK**, Green GB. Risk Stratification Using Cardiac Troponins: Analysis of Outcomes Derived from the Literature. Acad Emerg Med. 2004;11:506
4. Rivers CM, **Kim HK**, Nelson LS, Smith SW, Hoffman RS. Two cases of Bactrian pharmacokinetics in large acetaminophen and diphenhydramine co-ingestion: management implications. Clin Toxicol (Phila). 2012;50:302.
5. Desai NN, Cherkas, DS, **Kim HK**, Smith SW, Manini AF. Rapid reversal of prolonged hemodynamic collapse due to multi-drug overdose using intravenous 20% fat emulsion. Clin Toxicol (Phila). 2012;50:364.
6. **Kim HK**, Hoffman RS, Nelson LS, Jang DH. Methylene blue for refractory hypotension in cardiovascular drug overdose. Clin Toxicol (Phila). 2012;50:365.

7. **Kim HK**, Nelson LS. Effectiveness of low dose naloxone to reverse respiratory depression in opioid intoxication. *Clin Toxicol (Phila)*. 2012;50:577. (Platform presentation at the North American Congress of Clinical Toxicology, Las Vegas, NV 2013)
8. Biary R, Connors NJ, Chen BC, **Kim HK**, et al. A new line: the potential impact of decreasing the paracetamol treatment line. *Clin Toxicol (Phila)*. 2013;51:271-272.
9. Takematsu M, **Kim HK**, Biary R, et al. Gasoline exposures following Hurricane Sandy. *Clin Toxicol (Phila)*. 2013;51:330.
10. **Kim HK**, Biary R, Chen BC, et al. Complications from ultra-rapid opioid detoxification (UROD) at a single detoxification center. *Clin Toxicol (Phila)*. 2013;51:347-348.
11. **Kim HK**, Friedman-Jimenez G, Smith SW, et al. When work comes home: Delayed elevation of plasma mercury concentration after an occupational mercury exposure. *Clin Toxicol (Phila)*. 2013;51:359
12. Stolbach A, Harry H, Cordeiro M, Vasquez V, **Kim H**, Barrueto F. Internet training resulted in improved intern performance in a simulated poisoned patient as measured by checklist, but not global assessment. *J Med Toxicol*. 2014;10:66
13. **Kim H**, Heverling H, Barrueto F, Vasquez V, Stolbach A. Comparison of knowledge and performance assessments of trainee resuscitation skills in a simulated poisoned patient. *Clin Toxicol (Phila)*. 2014;57:682-818.
14. Cordeiro S, Seung H, Daro R, **Kim HK**. Changing characteristics of synthetic cannabinoid toxicity by U.S. geographical region: a retrospective review of National Poison Center Data – 2010 to 2015. American College of Medical Toxicology Annual Scientific Meeting, San Juan, PR 2017 [Accepted for poster]
15. Daro R, Seung H, Cordeiro S, **Kim HK**. Changing characteristics of synthetic cannabinoid toxicity: a retrospective study of U.S. National Poison Center Data – 2010 to 2015. American College of Medical Toxicology Annual Scientific Meeting, San Juan, PR 2017. [Accepted for poster]

Book chapters

1. **Kim HK**. Camphor and Moth Repellents (Ch 105), *Goldfrank's Toxicologic Emergency*. 10th ed. McGraw-Hill Professional, New York, 2014.
2. **Kim HK**. Pulmonary Toxins (Ch 46). *Decision Making in Emergency Critical Care*. 1st ed. Lippincott Williams & Wilkins, Philadelphia, 2014.

Invited Speeches/Lectures

Local/Regional

1. **Kim HK**, "Acetaminophen and Salicylic Acid Poisoning in Children," Pediatric Emergency Medicine Grand Rounds, Jacobi Medical Center, Bronx, NY, 2011
2. **Kim HK**, "Common and New Drugs of Abuse," Department of Pediatrics, New York University School of Medicine/Bellevue Hospital Center, New York, NY, 2013
3. **Kim HK**, "Natural Toxins: Plant and Food Poisoning," Pediatric Emergency Medicine Grand Rounds, Jacobi Medical Center, Bronx, NY, 2013
4. **Kim HK**, "Caustic exposures," New York City Poison Control Center/Bellevue Hospital Center: An Intensive Review Course in Clinical Toxicology, New York, NY, March 2013
5. **Kim HK**, "Antidepressants in a nutshell," Emergency Medicine Conference, New York University School of Medicine/Bellevue Hospital Center, New York, NY, 2013
6. **Kim HK**, "One Pill Killers," Department of Pediatrics Noon Conference, New York University School of Medicine/Bellevue Hospital Center, New York, NY, 2013
7. **Kim HK**, "Carbon monoxide and cyanide poisoning," Emergency Medicine Conference, University of Maryland School of Medicine, Baltimore, MD, November 2013
8. **Kim HK**, "Antidepressant toxicity." Johns Hopkins Emergency Medicine Toxicology Grand Rounds, Johns Hopkins University School of Medicine, Baltimore, MD, 2014
9. **Kim HK**, "In pursuit of happiness: Antidepressant toxicity." Emergency Medicine Conference, University of Maryland School of Medicine, Baltimore MD, July 2014
10. **Kim HK**, "Alcohol withdrawal syndrome and cyanide toxicity." Critical Care Core Curriculum Conference, University of Maryland School of Medicine, Baltimore, MD, November 2014
11. **Kim HK**, Clinopathological Conference (CPC) – Case discussant, New York City Poison Control Center/Bellevue Hospital Center: An Intensive Review Course in Clinical Toxicology, New York, NY, March 2014
12. **Kim HK**, "In pursuit of happiness: Antidepressant toxicity." Mercy Medical Center Internal Medicine Conference, Baltimore, MD, July 2014
13. **Kim HK**, "Salicylic acid and NSAIDs 2.0" Johns Hopkins Emergency Medicine Toxicology Grand Rounds, Johns Hopkins University School of Medicine, Baltimore, MD, April 2015
14. **Kim HK**, "Toxic hemoglobinopathy: carbon monoxide and methemoglobinemia" Critical Care Core Curriculum Conference, University of Maryland School of Medicine, Baltimore, MD, May 2015
15. **Kim HK**, "Spice it up! Common stimulants and legal high" Emergency Medicine Conference, University of Maryland School of Medicine, Baltimore MD, July 2015
16. **Kim HK**, "Taming the lion in the ED: Is there a "better" way" Reimbursement Technology Inc. Annual Medical Director's Conference, Philadelphia, PA, April 2016
17. **Kim HK**, "Eat your heart out Alex Trebek" Noon conference, Department of Pediatrics, University of Maryland School of Medicine, Baltimore MD, June 2016
18. **Kim HK**, "Misadventures of over the counter medication use." Morning conference, Department of Internal Medicine, University of Maryland School of Medicine, Baltimore MD, June 2016

19. Invited panelist “Naloxone administration on the pediatric floor: a comparison of two cases.” Morbidity & Mortality Conference, Department of Pediatrics, Johns Hopkins University School of Medicine, Baltimore MD, September 2016
20. **Kim HK**, “Hidden hazards of common household chemicals.” Emergency Medicine Conference, University of Maryland School of Medicine, November 2016.
21. **Kim HK**, “Hidden hazards of common household chemicals.” Mercy Medical Center Internal Medicine Noon Conference, Baltimore, MD, December 2016
22. **Kim HK**, “Misadventures of over the counter medication.” Grand Round Lecture, Department of Emergency Medicine, University of Maryland School of Medicine, January 2017.

National

1. **Kim HK**, “Emergency medicine department patient perspective and expectation for acute pain relief,” American College of Medical Toxicology Annual Scientific Meeting Research Symposium, San Juan, PR, March 2013
2. **Kim HK**, “Food poisoning, seriously – potentially dangerous seafood-related poisoning.” Society of Toxicology Annual Meeting and ToxExpo, Baltimore, MD, March 2017.

Podcast

1. “Ethylene glycol toxicity – N Engl J Med case discussion,” Featured speaker on the continued medical education audio program EmedHome EMCast, http://www.emedhome.com/cme_emcast_list.cfm November 2015.
2. “Neuroleptic malignant syndrome,” Featured speak on the continued medical education audio program EmedHome EMCast, http://www.emedhome.com/cme_emcast_list.cfm November 2016.
3. “Lipid emulsion therapy,” Featured speak on the continued medical education audio program EmedHome EMCast, http://www.emedhome.com/cme_emcast_list.cfm February 2017.