

Bryan Y. Choi, MD, MPH
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POSTGRADUATE TRAINING

Alpert Medical School of Brown University, Fellowship in EMS and Disaster Medicine *July 2012 – July 2014*
Rhode Island Hospital/The Miriam Hospital, Providence RI

Alpert Medical School of Brown University, Emergency Medicine Residency *June 2008 – June 2012*
Rhode Island Hospital/Hasbro Children's Hospital/The Miriam Hospital, Providence RI

EDUCATION

Master of Public Health *September 2012 – December 2014*
Brown University, Providence RI

Doctor of Medicine *August 2004 - June 2008*
University of Texas Southwestern Medical Center, Dallas TX

Bachelor of Arts with Departmental Honors, Psychology *September 2000 - June 2004*
Stanford University, Palo Alto CA

- 2004 Firestone Medal for Excellence in Undergraduate Research

PROFESSIONAL EXPERIENCE

Attending Physician, Teaching Scholar Track *July 2014 – Current*
University Emergency Medicine Foundation, Providence RI

- Academic faculty in the Department of Emergency Medicine of the Warren Alpert Medical School at Brown University.

Medical Director *April 2014 – Current*
Aesclepius Training, Providence RI

- Medical consultation and quality/compliance assurance for EMT courses taught in Rhode Island and Massachusetts

Critical Care Transport Physician *September 2010 – Current*
Rhode Island and Hasbro Children's Hospitals, Providence RI

- LifePACT, a critical care transport program for adult and pediatric patients, serves Rhode Island, Eastern Connecticut, and Southeastern Massachusetts

Test Preparation Tutor *August 2006 – June 2008*
Falcon Physician Reviews, Dallas TX

- Provided group and individual tutoring for medical students in basic science concepts tested on the USMLE Step 1 exam

Student Director *August 2005 – August 2006*
Medical Students for Choice, UTSWMC Chapter, Dallas TX

- Planned and coordinated both group meetings and educational outreach programs to the medical school community

Teaching Assistant in Anatomy

June 2005 – September 2005

Department of Anatomy and Cell Biology, UTSWMC, Dallas TX

- Provided classroom instruction and individual tutoring in gross anatomy
- Coordinated, proctored, and helped grade departmental examinations

TEACHING EXPERIENCE

Morning Report Lecture Series

Multiple dates in 2011-2012

Department of Emergency Medicine, Rhode Island Hospital, Providence RI

- Topics: Discharging patients AMA, Care of the impaired patient, Clonidine toxicity and management, EKG abnormalities, Firearm and ballistic injury review, Acute bacterial meningitis, and many others

Medical Student Lecture Series

Multiple Dates in 2010-2012

Department of Emergency Medicine, Rhode Island Hospital, Providence RI

- Topics: Management of common orthopedic injuries, Diagnosis and management of upper GI bleeding

Clinical Pathologic Case Conference

October 2010

Department of Emergency Medicine, Rhode Island Hospital, Providence RI

- “An Atypical Emergency Department Presentation of Babesiosis”

Resident Orientation Series

July 2010

Department of Emergency Medicine, Rhode Island Hospital, Providence RI

- “The Management of Chronic Pain Complaints in the ED”

Journal Club

June 2010

Department of Emergency Medicine, Rhode Island Hospital, Providence RI

- “Review of a 2008 Article on VTE risk in patients with borderline d-dimer levels”

RESEARCH ACTIVITIES and AWARDS

Current projects

DiNitto D, Marti N, Choi N, **Choi BY**. “Impact of Mental Health and Substance Use Disorders on Emergency Department Visit Outcomes among Persons Living with HIV.” *Submitted to WJEM*.

Choi BY, Pedro N, Carreiro P, et. al. “Community Paramedicine Implementation Project.”

Presentations

Choi BY, Kobayashi L, Suner S, Jay G. et. al. “Detection, Measurement and Mitigation of Unhealthy, Environment-Derived Aerosol Materials in an Emergency Department: Preliminary Results from the AETHER2 Study.” Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 2014. Also presented at the SAEM New England Regional Meeting, Springfield, MA, March 2014.

Choi, BY, Tsai D; Gomes McGillivray C, et. al. “Hospital-Directed Feedback to Emergency Medical Services Improves Pre-Hospital Performance.” Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas, TX, May 2014. Also presented at the Norman Fain Memorial Stroke Lecture, Providence, RI, November 2014

Choi BY, Kobayashi L, Suner S, Jay G. et. al. “Ambulance Exhaust Toxicity in Healthcare-related Exposure and Risk (AETHER) project.” Presented at the Society for Academic Emergency Medicine Annual Meeting, Chicago, IL, May 2012. Also presented at the SAEM New England Regional Meeting, Springfield, MA, March 2012.

McGarry J, **Choi BY**, Huo MH, Jones RE. “Total hip arthroplasty in patients with HIV infection.” Presented at the American Academy of Orthopedic Surgeons Annual Meeting, San Diego, February 2007; Mid-America Orthopedic Association Annual Meeting, Boca Raton, FL, April 2007.

Choi, BY & Oppenheimer, DM “Motivational biases in judgments of streaks in random sequences.” Presented at The 19th Biennial Research Conference on Subjective Probability, Utility, & Decision Making, Zurich, Switzerland, August 2003.

- 2003 European Association for Decision Making Gold Medal for best poster presentation

Publications

Choi, N. G., DiNitto, D. M., Marti, C. N., & **Choi, B. Y.** (Under review). Motor Vehicle Traffic Injury Among Older Adults: Role of Substance Use Disorders in ED Visit Outcomes.

Choi, N. G., DiNitto, D. M., Marti, C. N., & **Choi, B. Y.** (Under review). Association of Adverse Childhood Experiences with Lifetime Mental and Substance Use Disorders Among Men and Women Aged 50+ Years.

Choi B.Y., Asselin N, Pettit C.C., Machan JT, Merck DL, Merck LH, Suner S, Williams KA, Jay GD, Kobayashi L. "Simulation-based Randomized Comparative Assessment of Out-of-Hospital Cardiac Arrest Resuscitation Bundle Completion by Emergency Medical Service Teams using Standard Life Support or an Experimental Automation-Assisted Approach" Accepted May 10 to SIH.

Choi, B. Y., DiNitto, D. M., Marti, C. N., & Choi, N. G. (2016). Impact of Mental Health and Substance Use Disorders on Emergency Department Visit Outcomes among HIV Patients. *Western Journal of Emergency Medicine*, 17(2):153-164. doi: 10.5811/westjem.2016.1.28310.

Choi, N. G., DiNitto, D. M., Marti, C. N., & **Choi, B. Y.** (2016). Too Little Sleep and Too Much Sleep Among Older Adults: Associations with Health/Mental Health Status, Health-related Behaviors, and Healthcare Utilization. *Geriatrics and Gerontology International (Published online first)*. doi: 10.1111/ggi.12749

Choi, N. G., DiNitto, D. M., Marti, C. N., & **Choi, B. Y.** (2016). Nonsuicidal Self-Injury and Suicide Attempts among ED Patients Aged 50+: Comparison of Risk Factors and ED Visit Outcomes. *American Journal of Emergency Medicine (Published online first)*. doi: 10.1016/j.ajem.2016.02.058

Choi, N. G., DiNitto, D. M., Marti, C. N., & **Choi, B. Y.** (2016). Sociodemographic Characteristics and Health Status of Lifetime Abstainers, Ex-Drinkers, Bingers, and Nonbingers Among Baby Boomers and Older Adults.

Substance Use & Misuse, 51(5), 637-48. doi: 10.3109/10826084.2015.1133645

Choi, N. G., DiNitto, D. M., Marti, C. N., & **Choi, B. Y.** (2016). Relationship between Marijuana and Other Illicit Drug Use and Depression/Suicidal Thoughts Among Late Middle-Aged and Older Adults. *International Psychogeriatrics*, 2016, 28(4), 577-589. doi: 10.1017/S1041610215001738

Choi, N. G., Marti, C. N., DiNitto, D. M., & **Choi, B. Y.** (2015). Alcohol Abstention, Use and Misuse as Risk Factors for Older Adults' Emergency Department Visits: A Latent Class Analysis. *Western Journal of Emergency Medicine*, 16(7), 1146-1158. doi: 10.5811/westjem.2015.9.27704

Choi, N. G., DiNitto, D. M., Marti, C. N., & **Choi, B. Y.** (2015). Associations of Mental Health and Substance Use Disorders with Presenting Problems and Outcomes in Older Adults' Emergency Department Visits. *Academic Emergency Medicine*, 22(11):1316-1326. doi: 10.1111/acem.12803

Choi BY, Blumberg C, Williams K. "Mobile Integrated Health Care and Community Paramedicine: An Emerging Emergency Medical Services Concept." *Annals of Emergency Medicine*. E-published July 11, 2015.

Choi BY, Kobayashi LK, Pathania S, Miller CB, Locke ER, Stearns BC, Hudepohl NJ, Patefield SS, Suner S, Williams KA, Machan JT, Jay GD. "Detection and Measurement of Unhealthy, Environment-Derived Aerosol Materials in an Emergency Department." *Health Environments Research and Design Journal*. Accepted April 2015.

Tsai D, **Choi BY**, Sullivan F, Williams K. "Quality Improvement in EMS: A Unique and Challenging Necessity." *Rhode Island Medical Journal*. August 2014.

Choi, BY, Tsai D; Gomes McGillivray C, Amedee C, Sarafin J, Silver B. "Hospital-Directed Feedback to Emergency Medical Services Improves Pre-Hospital Performance." *Stroke*. Accepted April 2014

Kim BJ, Date ES, Park BK, **Choi BY**, Lee SH. "Physiologic changes of compound muscle action potentials related to voluntary contraction and muscle length in carpal tunnel syndrome." *J Electromyogr Kinesiol*. June 2005;15(3):275-81

Choi, B, Huo MH. "Venous Thromboembolism following total knee replacement." *Journal of Surgical Orthopedic Advances*. March 2007;16(1) 31-35.

CERTIFICATION and COURSES

Emergency Ultrasound Course

June 2010

Department of Emergency Medicine, Rhode Island Hospital, Providence RI

- ACEP level certification in FAST, Cardiac, Gallbladder, AAA
- Also proficient in Retina, Pneumothorax, Soft tissue & procedural applications

Advanced Airway Training Course

May 2010

Department of Emergency Medicine, Rhode Island Hospital, Providence RI

- Two day intensive course focusing on proper intubation techniques, rescue devices, and surgical airways in simulation and live animal models

Advanced Cardiac Life Support

Advanced Trauma Life Support

Pediatric Advanced Life Support

COMMITTIES and PROFESSIONAL SOCIETIES

American College of Emergency Physicians

Society for Academic Emergency Medicine

Emergency Medicine Residents' Association

Texas Medical Association

INTERESTS

Professional

EMS systems, medical direction, critical care transport, clinical research, medical education

Personal

Cooking, Trap and Skeet