

Wells Brambl, MD

EDUCATION

*Northwell Health at LIJ Emergency Medicine and Medical Toxicology Attending Physician;
Core Faculty. Assistant Professor status pending* July 2021 – Current

Maimonides Medical Center EM Residency July 2016 – June 2019

Northwell Health Toxicology Fellowship July 2019 – June 2021

Northwell Health Per Diem Attending April 2020 – June 2020

Maimonides Medical Center Per Diem Attending April 2020 – Current

Loyola University Chicago Stritch School of Medicine July 2012 – May 2016
• Honors in Research

University of Arizona (Magna Cum Laude) August 2004 - May 2010
• Majors: Molecular and Cellular Biology, Spanish Literature, Creative Writing
• Minors: Chemistry and Journalism

EM board status: Board Certified

- Written boards passed
- Oral boards Passed

Tox board status: Board Eligible

- Written boards pending for 2022

ACADEMIC ACTIVITIES

Toxic (July 2020-Current)

- Participation in an international consortium of toxicologists dedicated to enhanced surveillance of trends in poisoned patients.
- We obtained IRB approval to add all of our Toxicology cases to the Toxic registry, which will facilitate data analysis of poisoned patients for future publications.

Free open access medical education (FOAMed)

EMTox.org - free educational website

- Currently developing a progressive online Toxicology course with multimedia content, quizzes, and exams that can be utilized for focused EM Physician education, with the goal to enhance education regarding toxicologic emergencies.

Buprenorphine (fellowship QI project)

- Partnership with pharmacy to bring Buprenorphine to Cohen's Children's Medical Center for treatment of opioid use disorder (OUD) in adolescent patient.
- In the process of developing an online mechanism to facilitate prescription of buprenorphine for patients with OUD, so that fewer patients are lost to follow up after being seen in the ED.
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PUBLICATIONS

- Omer Iqbal MD, Wells Brambl BA/BS, Albara Ottman BS, Jeffrey Gaynes BS, Felipe De Alba MD, Bruce Gaynes OD, Paul O'Malley, MS/MBA, Jawed Fareed PhD, Charles Bouchard MD. Aspirin and Its Metabolites Enhance The Expression of Vascular Endothelial Growth Factor In Retinal Pigment Epithelial Cell Cultures – Implications In The Pathophysiology of Age-Related Macular Degeneration. International journal of ophthalmology and eye science. 2015, Aug; 03(07): 115-120.
- Wells Brambl MD and John Marshall MD. "Retroperitoneal Hematoma". decisionsupportinmedicine.com ; brief chapter for clinical decision aid for EM practitioners, Accepted May 2017.
- Wells Brambl MD, Alyssa Nguyen-Phoc MD, Judy Lin MD. "Ultrasound findings in Fournier gangrene". Visual Journal of Emergency Medicine. Volume 15, April 2019, 100567

Regional Presentations

- Toxicologic Applications of Thromboelastography (All Long Island EM conference; April 2022)
- Multiple presentations at NYCPC Consultants conference during fellowship: Intracervical digoxin; Massive APAP; Adolescent near fatal propranolol with HIET reaching 19 U/kg/hr; Extremely elevated digoxin level; A markedly high APAP level in a patient receiving Ofirmev; Cyclobenzaprine overdose with a widened QRS complex; Ingestion of a mysterious disinfecting effervescent tablet from China. and Adolescent guanfacine overdose in the PICU (2019-2021).

National Presentations

- Moderate Poster Presentation: "Can Search Engine Keyword Volume Predict Future Exposure Trends?" (ACMT ASM 2021)

POSTERS

- Wells Brambl BA/BS, Omer Iqbal MD, Daniel S Peiffer MS1, Laura Johnsen MS, Adarsh Dharan PhD, Ed Campbell, PhD, Charles Bouchard, MD. (November 2014). The role of TNF-alpha, TGF-beta2 and NF-kappaB in the pathogenesis of keratoconus.
- Omer Iqbal MD, Wells Brambl BA/BS, Albara Ottman BS, Jeffrey Gaynes, Daneyal Sayed, Daniel Kahn, Felipe De Alba MD, Bruce Gaynes OD, Jawed Fareed PhD, Charles Bouchard MD. (May, 2014). The Effects of Aspirin and its Metabolites on Peripheral Blood Mononuclear cells and Human Retinal Pigment Epithelial Cells – Implications in the Pathophysiology of Age-Related Macular Degeneration. Poster presented at: Association for Research in Vision and Ophthalmology (ARVO) annual meeting 2014; Orlando, FL, USA.
- Wells Brambl BA/BS, Rudy Cedillos MS, and Dr. Ed Campbell PhD. (November, 2013). Leucine Rich Repeat Kinase 2 (LRRK2) modulation of inflammasome activation in a

monocyte cellular model of Parkinson's Disease and immuno-fluorescence (IF) studies of mouse jejunum. Poster presented at: Saint Albert's Day (Stritch School of Medicine Annual Research Symposium); Chicago, IL, USA.

- Aluminum Encephalopathy May not Correlate to Aluminum Level but Still Corrects with Chelation Therapy. Wells J Brambl, Vincent R Lee, Joshua N Nogar
- QRS Widening Associated with Cyclobenzaprine Overdose. Wells J Brambl, Vincent R Lee, Joshua N Nogar
- Asymptomatic Escitalopram and Citalopram Overdoses: 6- Hour Observation Period? Vincent R Lee, Mark T Huang, Wells J Brambl, Stephanie Widmer, Benjamin D Kessler, Nima Majlesi, Joshua N Nogar, Daria Falkowitz
- Concentrated Acidic Ingestions Are Associated with Increased Morbidity and Mortality when Compared to Concentrated Non-acidic/Alkali Caustic Ingestions. Wells J Brambl, Natasa Simonovska, Danil Petrovski, Silvija P Gottesman, Daniela Chaparoska
- Massive propranolol ingestion successfully treated with very high dose insulin euglycemic therapy (18u/kg/hr). Wells Brambl MD, Vincent Lee MD, Stephanie Widmer MD, Mark Huang MD, and Josh Nogar MD
- Pediatric Hydrocarbon Exposure With Delayed Respiratory Symptoms. Wells Brambl MD, Stephanie Widmer MD, and Josh Nogar MD
- Public Interest in COVID Remedies Measured by Google Queries. Wells Brambl MD, Stephanie Widmer MD, and Josh Nogar MD
- Therapeutic Bronchial-Alveolar Lavage Treatment of Smoke Inhalation Injuries in the Emergency Department. Joeseeph Liu, MD, Vince Nguyen, MD, and Wells Brambl, MD
- Supratherapeutic Digoxin Levels after Intracervical Digoxin administration for Surgical Abortion. Akbar Baig, MD, Wells Brambl, MD and Josh Nogar, MD.

LECTURES

TOX LECTURES

- Poisonous plants and mushrooms in the northeast
- Management of snake bites in the Peruvian Amazon Jungle: Santa Clotilde, Rio Napos
- Marine envenomation focus: Palytoxin, a real risk from Zoanthoa and Palythoa domesticated soft corals
- Depakote toxicity
- CO and CN toxicity through the lens of structural fires in NY
- Toxidromes
- Imidazolines
- Dextromethorphan
- Riot control agents
- Toxicology and the EKG
- Robotripping with DXM: and emerging epidemic
- Cocaine Toxicity

MORBIDITY AND MORTALITY CONFERENCES (during residency)

- Anaphylactoid reaction to administration of NAC in the setting of alcoholic hepatitis
- Crashing GI bleeder management

GENERAL EMERGENCY MEDICINE ORIENTED LECTURES AND CLINICAL TALKS

- In ED workshop on ED bronchoscopy for nasotracheal intubation and diagnosis of undifferentiated respiratory failure
- Paramedic CME: diagnosis and emergent management of tachydysrhythmias in the field
- Paracentesis: sterile ultrasound guidance and proper drainage using serially connected suction canisters
- Transfusion reactions in the ED
- Acute HIV infections
- Dental emergencies
- Compartment Syndrome
- TTP/HUS
- Trauma in pregnancy and resuscitative Caesarean section
- Myocarditis
- Congenital heart disease in the pediatric patient
- Efficacy and safety of vasopressors delivered through a peripheral IV
- Esophageal foreign body
- Acute Kidney Injury, ED management
- Heart block and the electrical conducting system of the heart
- Simulation session for US guided central venous line placement and airway
- Blog posts on the following topics for Maimonides resident blog: electrophysiology, pacing, local anesthetic toxicity, ebola, cyanide toxicity, co-oximetry, IV infiltration of iohexol, contrast induced nephropathy, mobile stroke unit, catatonia, cardiac biomarkers biostats and clinical applications, and wellness: how to meditate.
- Thromboelastography guided resuscitation of the bleeding patient
- Heartblock as it relates to the conducting system of the heart

ULTRASOUND LECTURES

- Musculoskeletal and soft tissue applications of ultrasound
- Ultrasound guided hip aspiration anatomy and procedure

EMPLOYMENT

EM resident at Maimonides

July 2016 – June 2019

- High volume ED (Level 1 trauma center) with over 110,000 visits per year
- Direct patient care with an incredibly diverse patient population that is 10 years older than average
- Continuous Quality Improvement curriculum
- Nationally recognized ultrasound curriculum with exposure to advanced nerve block techniques
- Exposure to advanced airway techniques including bronchoscopy and nasopharyngeal intubation using DSI
- Excellent evaluations and 84th percentile on 2018 in-service examination
- Event medicine: we cover music festivals, sporting events, and Madison Square Garden, all of which frequently have toxicological emergencies.

- Active role during ED pharmacy selective in medication safety and quality improvement. Projects included medication administration error root cause analysis leading to policy change and digibind medication use evaluation.

Firecracker: Editor

August 2014 – August 2015

- Preparation of study material for USMLE step 2 review content
- MCQ writing

HONORS & AWARDS

- Teaching Resident of the Year at Maimonides Medical Center 2019
- Illinois Society for the Prevention of Blindness (ISPB) 2014 Research Award: Medical Student Principal Investigator
- Harrity Scholarship 2014-2015
- Health Professions Scholarship 2013-2014
- Romanaggi scholarship 2014-2015
- Medical Scholarship 2015-2016
- STAR scholar at Loyola Stritch School of Medicine for Summer 2013
- Chairman's Award from Department of Psychiatry for Medical Student Leadership
- Tuition Waiver and AZ Discovery Scholarship at University of Arizona Aug. 2008 – May 2012.

PROFESSIONAL MEMBERSHIPS

- American College of Medical Toxicology
- Emergency Medicine Residency Association
- NACCT
- American College of Emergency Physicians

Academic gap

Dubwell Productions and Luzfuego Gallery 2010-2012

- Film Soundtrack composition and foley for Animus (2013) https://www.imdb.com/title/tt2431576/fullcredits/?ref_=tt_ov_st_sm
- LuzFuego art gallery and yoga studio sole proprietor
- DubWell Productions sole proprietor, full service event production

Special Interests within Emergency Medicine

Toxicology, biochemistry, social media (eg.Twitter) and FOAMed, multimedia formats for education, medical anthropology, contemplative medicine

Activities outside of medicine

Entrepreneurship, Billiards, building bicycles and then riding them, tech, composing electronic music and DJ'ing, Buddhism, film and photography, making mineral water from my own salt recipes, and salt water coral husbandry.