

## Dear DEM Staff, Alumni & Friends:

2016 has been another banner year for our Department. In April, we announced the largest ever philanthropic gift to our Department from the Gary and Mary West Foundation to establish the region's first geriatric Emergency and acute care facility dedicated to patient care and research. Our faculty continue to receive accolades from around the nation with Jim Dunford being honored by American Heart Association. Various work of our faculty has been publicized locally in the Union-Tribune locally, as well as nationally in the New York Times, and just this year the Department has received research grants from the EMF, ACEP, and NEFM to name just a few. This includes an innovative \$2.6m Telemedicine Grant to explore new technologies to deliver emergency medical care. Even our trainees are getting into the act with 2<sup>nd</sup> year resident Trisha Morshed awarded a project grant from the UCSD Global Health Institute, and Ashely Alker selected for the AAEM/RSA Board. Below are more highlights from this past year.

  
Ted Chan, MD  
Department Chair



## Gary and Mary West to Establish Region's First Geriatric Emergency Care with \$11.8m Gift

Thanks to an \$11.8 million grant from the Gary and Mary West Foundation to our Department, UCSD will establish the region's first Geriatric Emergency Care Unit at our La Jolla campus. The grant will not only support the creation of the facility that will add an additional 8500 square feet of space (50% increase in our ED) dedicated and specially designed for the needs and care of seniors, but also foster academic and clinical research to improve geriatric care in Emergency Medicine.

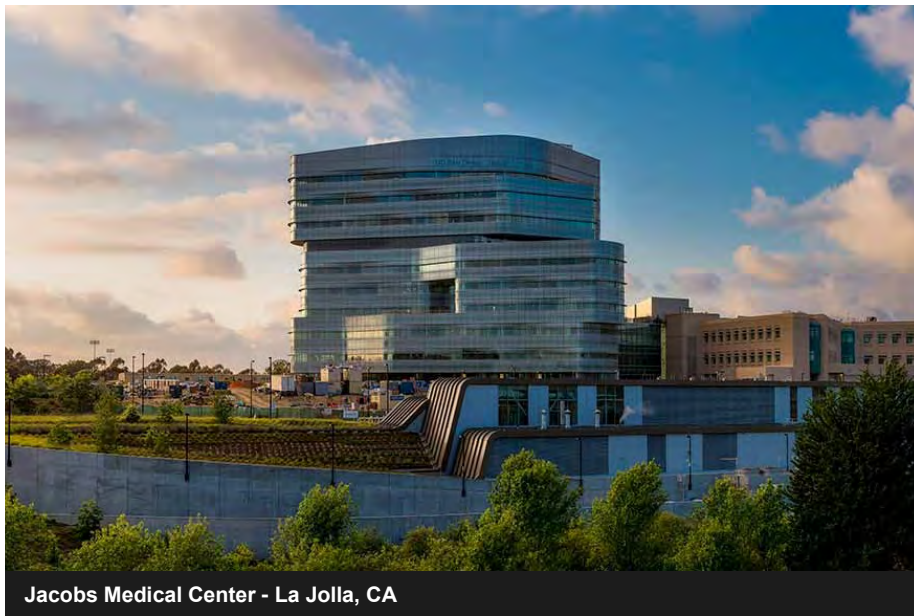
Continued on page 2



Gary & Mary West

### In This Issue

- Clinical Update
- New Residents & Fellows
- Education Update
- Alumni Update
- DEM In The News
- Where Are They Now?
- 2016 Publications & Grants
- DEM Goes to Peru



Jacobs Medical Center - La Jolla, CA

## Geriatric ED cont'd

The announcement received widespread attention and, for those interested, here are some of the links to media and news coverage: (insert links)

The Wests' philanthropy represents a unique opportunity and research collaboration between the UCSD DEM and the West Health Institute. In recognition of their generosity, our UCSD La Jolla ED will be renamed the "Gary and Mary West Emergency Department". We thank the Wests for their dedication and support to improve Emergency care for seniors not only at UCSD and our region, but as a model for the rest of the nation.

## Clinical Update

Like EDs across the country, we've seen a marked increase in our patient volumes at UCSD-Hillcrest and La Jolla Emergency Departments, now with a combined census of over 80,000 patients seen annually (similar increases have occurred at our 3<sup>rd</sup> clinical ED site in El Centro – so combined, the UCSD DEM cares for over 130,000 patients visits every year).

Unfortunately, like other EDs, we continue to experience challenges with inpatient boarding and crowding. Fortunately, in November, UCSD opened the new Jacobs Medical Center (JMC) in La Jolla, a 245 bed, 10-story medical center with specialty floors dedicated to cancer care (with the region's only NCI-designated UCSD Moores Cancer Center), advanced surgery, and Women and Infants Care. This state-of-the-art facility provides additional inpatient capacity to address much of the crowding we have in the ED. For more information on UCSD-JMC go to <http://health.ucsd.edu/jacobs>.

## Urgent Care

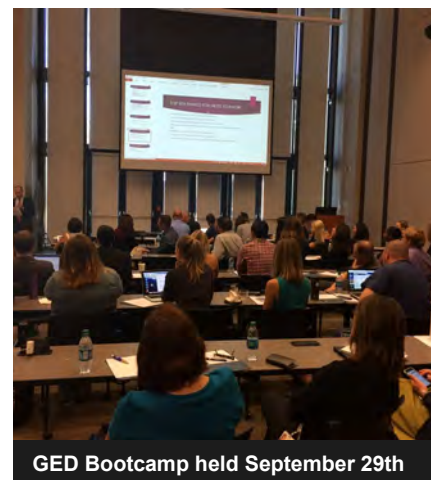
In addition, the DEM opened UCSD's first dedicated Urgent Care clinic located just off the main campus. The clinic provides both same day scheduled appointments and walk-in availability for patients with urgent or low acuity medical problems. In fact, patients can set up an appointment online for the very same day.

## Geriatric Boot Camp

In anticipation of the new West Geriatric ED care unit, our Department held an all-day Geriatric Boot Camp in September with experts from around the nation including leaders from Mt. Sinai, Northwestern, UNC, and other academic centers. The Bootcamp was sponsored by the Hartford Foundation and the American Geriatric Society. Over 120 UCSD staff attended, including not only DEM faculty, residents, nurses, techs, but also case managers, social workers, physical therapist, geriatricians, psychiatrists, pharmacists and others participating in interactive and small group sessions all focused on how we can implement and study the very best practices for improving care for seniors in our ED.



Newly opened Urgent Care in La Jolla



GED Bootcamp held September 29th



## Acute-Care-At-Home Project Grant

One of the innovative clinical research projects at UCSD this year was our Acute-Care-at-Home (ACH) project funded by a grant from WHI. ACH sought to take patients who might normally have been admitted to the hospital for up to 72 hours of inpatient care, and provide the patient care at his or her home instead straight from the ED. Since starting the project in the Summer over 30 patients have been discharged home for treatment of conditions that normally would have required inpatient care.

Patients in the program have been discharged from the ED and cared for at home with twice daily nursing visits, serial blood tests, IV medications, physical therapy – all provided at their home for the first 72 hours upon ED discharge. So far the program has been a great success with no complications and was recently highlighted as a “Disruptive Innovation in Acute and Emergency Care” at the 2016 ACEP Scientific Assembly in Las Vegas.

<https://www.acep.org/>



Residency Class of 2020: Sam Frenkel, Megan Tresenriter, Vishnu Parthasarathy, Claire Wang, Matt Correia, Samantha McGlone, Aaron Lee, Jessica Brice, Jack Storey

## Meet our new Residency Class of 2020!

### Sam Frenkel

Sam grew up at our national capital, Washington DC and attended Emory University for college majoring in Neuroscience and Behavioral Biology. He then returned home for graduate school (MS in Biophysics & Physiology) and medical school at Georgetown. Sam has an interest in studying trauma and violence, conducting research on fights in the National Hockey League, as well as getting into an altercation himself with Israeli military personnel that resulted in his immediate expulsion from that country. Sam also had the most successful student “non-rotation” at UCSD, participating in a number of EM student activities (including the Charger field medical team) without actually being enrolled. We are excited to have him here in San Diego for residency.

### Megan Tresenriter

A native of California, Megan was born and raised in Modesto. She then went on to obtain her undergraduate degree in Spanish at Pacific Union College while spending a year abroad studying in Argentina. She returned to the Central Valley to attend medical school at UC Davis, where she was active in many initiatives, including serving as class officer and historian. Megan enjoys baking, learning new languages, traveling, and all sorts of outdoor activities including the occasional roadside wild animal rescue and advanced resuscitation efforts.

### Vishnu Parthasarathy

Vishnu was born in Delhi, India, but has spent much of his formative years here at UCSD where he received an undergraduate degree in Physiology, then a Masters in Neuroscience, followed by medical school. As President of the UCSD Vedic Culture and Vegetarian Society, he was committed to bringing more meat-free options to UCSD, serving weekly lunches to over 300 “starving college students”. In his free time, Vishnu enjoys rock climbing (having been a gym manager), tennis (ranked as a teenager – attention Peter Rosen), beer brewing, and treating various bowel ailments with the latest in home remedy transplant therapies (ask him for details).

Continued on page 4

## Claire Wang

Claire spent her early childhood in Southern California, before moving to Taiwan when she was 12 years old. She returned for college at UCLA where she majored in Physiological Science. She also minored in Theater which, along with spending her formative teenage years in Asia, nearly led her to pursue a career as a “K-pop” girl. Lucky for us, she decided to attend Boston University for medical school where she excelled, co-authoring 3 papers on breast cancer screening. In her free time, Claire enjoys singing, cooking, yoga, knitting, video games, and all things Anime.

## Matthew Correia

Matthew grew up in Pacific Palisades before heading East for college at the University of Pennsylvania (physics major), followed by medical school in the South at Vanderbilt. While at the latter, he became as a “Master Gardener” for the Vanderbilt Educational Garden Initiative (VEGI), as well as President of the “Microbes and Defense Academic Society”. Matthew is a master chef and enjoys cooking a variety of different cuisines, including American, European and Asian influences. He now returns to his native California for residency where he plans to take advantage of our state’s bounty of fresh fruits and vegetables, meats and seafood to host and amaze everyone with his new-style California fusion cuisine.

## Samantha McGlone

Samantha was born in Ontario, Canada, where she also went to college, majoring in Kinesiology at McGill. She then went on to a career as a Canadian and World champion in the Triathlon, Duathlon (no swimming), and Ironman, competing in the 2004 Olympics and serving as editor-in-chief for Triathlete Magazine. Exhausted by the past decade, she decided to go on to the much less strenuous pursuit of a medical degree at Arizona. She’s excited to be coming to San Diego for EM residency with her husband (also an EP) and young son, and because there is an ocean here for her, which as she says, “Duathlons in the desert just aren’t very challenging for me anymore”.

## Aaron Lee

Aaron was born in Tianjin, having been raised in both China and the US. He went on to college at USC, majoring in Biological Sciences while quietly auditioning to join the cast of “Glee”. When those dreams were dashed, he went on to medical school here at UCSD, where as a former EMT and self-described tech geek, he became active in the Emergency Medicine interest group, and led the EPIC implementation at the Student-run Free Clinic. Aaron loves the Arts as an accomplished pianist, dancer, and singer, and was a founding member our medical school’s “UltraSounds” A Capella group. He is also quite handy with home and car repairs, as well as computers, and has already been dubbed the “AV monitor” and “that guy” from the IT Help Desk for his classmates.

## Jessica Brice

Jessica hails from the great Northwest, growing up in the small rural town of Burley, ID, but spent a fair amount of time on the open road with her truck driver father. She attended Whitman College in Walla Walla WA where she played collegiate basketball (attention T. Nguyen and the bball group) majoring in Biology with honors. She then went on to medical school at the University of Washington (AoA). Jessica conducted research looking into body image issues in high school female athletes, as well as participated in numerous community service efforts with underserved populations. Nearly placed on the “No Fly” list due to an incident with a TSA agent, Jessica thoroughly enjoyed the long drive down the Pacific Coast to San Diego.

## Jack Storey

One cannot do justice with a brief story on Jack Storey, but here goes. Born in Rochester, MN, Jack went to Princeton undergrad (History, 1999), then Columbia Law (2005), and finally Columbia Architecture School (2007). He worked in real estate financing in NY with the likes of Goldman Sachs and Trump International, but became disillusioned with the “Big Short”-like aspirations and ethics (or lack thereof) of his colleagues. Looking to “find himself”, he made his way out West first to Colorado as an Obama “election protector”(?), followed by medical school at UW. Despite his age and background, Jack sees himself as a Millennial, enjoying things like finding authentic ethnic restaurants, sustainable development, and mindfulness meditation.

# Work Hard Play Hard



PGY I Resident Aaron Lee climbing a glacier in Iceland.



PGY III Residents Jimmy Corbett-Defig, Joe Brown and Brenna Derksen at SAEM in NOLA.



PGY IV Residents David Benaron, Aaron Heerboth, and Adam Nadolski on Dr. Benaron's "Megalodon" surfboard.



Residents and Faculty dominate a San Diego Escape Room.



# Education Update

I am delighted to update you on the educational programs in the Department of Emergency Medicine at UC San Diego. As you will read elsewhere in this newsletter the history of the program is rich with incredible accomplishments by its graduates as well as current residents and fellows. Since the inception of the program in 1990, we now can boast a grand total of 157 graduates. Our graduates have been successfully engaged in every imaginable practice setting available to emergency physicians nationally and internationally.

While the EM training at UCSD has been comprehensive for over 2 decades with experiences at the two University sites (Hillcrest and La Jolla), Palomar Medical Center, Rady Children's Hospital, Tricity Medical Center, and collaboration with Mercy Air, last year we further augmented resident training with a rural experience in El Centro, CA at a 120-bed federally designated critical access hospital along the US-Mexico border where EM residents are truly the only trainees in the facility. Here residents learn how to care for patients absent the backing of a major urban hospital but still receive direct expert instruction from faculty appointed in the DEM at UCSD. This past November at the La Jolla site UCSD opened the Jacob's Medical Center, a 10 story, 245-bed facility offering state of the art critical care, cancer care, and women and infants care. The breadth and quality of experiences offered to our residents and fellows in 2017 is arguably second to none.

With the expansion of the educational resources at UCSD, we have received approval from the ACGME to recruit for 10 PGY-1 residents to start in June 2017. Efforts are ongoing to foster and establish other relationships in the region to further grow the EM residency in the near future.

The expansion of education in the DEM is not limited to the residency but also includes a rich offering of fellowships. This past year we also increased the complement of trainees for the following fellowships: pediatric emergency medicine, ultrasound and undersea and hyperbaric medicine. We continue to offer fellowships in clinical informatics (NIH funded), clinical research, EMS/disaster medicine, medical toxicology, and wilderness medicine. The DEM also offers pathways for critical care training to candidates with a background in EM through collaboration with anesthesia and pulmonary critical care. We are very proud of the depth of faculty expertise at UCSD to support the education of all of these learners and would be rivaled by few, if any, programs in the country. The future is extraordinarily bright for individuals seeking post-graduate training at UCSD as we continue to be a national leader clinically and academically in the specialty of emergency medicine.



*Binh Ly*  
**Binh Ly, MD**  
Residency Director

**Sebastian Aldaz**  
St. David's Medical Center, TX

**Amanda Cobb**  
Temecula Valley Hospital, CA  
El Centro Regional Medical Center, CA

**Kenneth Choi**  
Kaiser Los Angeles Sports  
Medicine Fellowship, CA

**Stacy Gomez**  
Pioneers Hospital, CA

**Michael Holman**  
Sharp Chula Vista, CA

**Cathleen Mummert**  
Doctor's Hospital at  
Renaissance, TX

**Daniel Popa**  
UCSD HBO Fellowship

**Nicholas Ward**  
Temecula Valley Hospital, CA

**Julie Watkins-Torry**  
Sutter Delta Medical Center  
CEP Administrative Fellowship, CA

## 2016 Graduates: Where They Went



Top Row: Sebastian Aldaz, Michael Holman, Kenneth Choi, Dan Popa, Nicholas Ward  
Bottom Row: Amanda Cobb, Julie Watkins-Torry, Stacy Gomez, Cathleen Mummert

# New Fellows

## EMS

### **Kathy Staats, M.D.**

Med School: Albert Einstein College of Medicine  
Residency: University of Texas at Austin

## HBO

### **Amanda Apicella, M.D.**

Med School: Virginia Commonwealth University  
Residency: Virginia Commonwealth University

### **Daniel Landry, M.D.**

Med School: University of Ottawa, Canada  
Residency: University of Ottawa, Canada

### **Daniel Popa, M.D.**

Med School: UCSD  
Residency: UCSD

## Pediatric EM

### **Elizabeth Chang, M.D.**

Med School: San Antonio Medical School  
Residency: Columbia University Medical Center

### **Scott Sutton, M.D.**

Med School: UCSD  
Residency: UCSF Benioff Children's Hospital

### **Yvette Wang, M.D.**

Med School: Icahn School of Medicine  
Residency: UCSD

## Toxicology

### **Richard Koch, M.D.**

Med School: Eastern Virginia Medical School  
Residency: Naval Medical Center Portsmouth

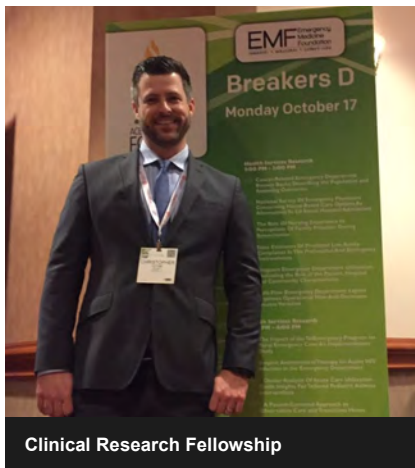
### **Christie Sun, M.D.**

Med School: Tufts University  
Residency: Georgetown/Washington Hospital Center

## Wilderness Medicine

### **Alexis Lenz, D.O.**

Med School: University of New England College of  
Osteopathic Medicine  
Residency: New York Presbyterian Queens





# UCSD DEM IN THE NEWS

SECTION B

The San Diego Union-Tribune

WEDNESDAY • JANUARY 4, 2017

# Local

B2 Local reports B5-6 Obituaries B7 Editorial & Opinion



**LOGAN JENKINS**  
Columnist

## Restaurants' surcharge hits terrible tipping point

I don't pretend to know much of anything about the restaurant business.

But probably like you, I do know something about the dining experience.

After tucking into a steak, for example, the last thing I want to digest is a self-serving political protest in the form of an X percent surcharge tacked into the bottom of the bill.

That surprise dish, my fellow trenchermen, would trigger acute heartburn.

Look, I have no issue with restaurants raising their prices so long as they don't change the bill while I'm eating.

**My Latin rule:** *Copeaf comedent* (diner beware).

If you can't comfortably stomach the cost of the filet mignon, order the chicken.

Or in a real pinch, eat pizza in front of the TV.

What I would find indigestible, however, is a 3 percent surcharge hooked to voter-approved increases in the minimum wage.

This politically charged pricing strategy, well-reported by San Diego Union-Tribune business reporter Lori Weisberg, is a New Year's resolution among a critical mass of upper-end San Diego restaurants like Sammy's Wood-Fired Pizza and George's at the Cove.

Here's the subtextual message of this cost-shifting from the top of the bill, where it belongs, to the bottom:

*Thanks to a San Diego voter-approved minimum-*

## IMMIGRATION BILL MAY CAUSE STRIFE

California Values Act would limit law enforcement's actions; some say it's not compliant with federal law

BY KATE MORRISSEY

A bill introduced by California legislators this month could heighten a standoff between the state and federal government over immigration enforcement policy that has been growing since at least 2013.

The California Values Act, introduced by Senate President Pro Tem Kevin de León, D-Los Angeles, would prohibit local law enforcement agencies from reporting people for immigration enforcement purposes. It also prohibits local law enforcement from making databases available to any-

one for the purpose of immigration enforcement.

De León's office said that it believes the California Values Act is in compliance with federal laws. Critics say the bill flies in the face of a federal law that says states cannot restrict local law enforcement from passing information regarding citizenship or immigration status to federal immigration officers.

President Barack Obama's administration has already investigated

California along with 10 other jurisdictions for potentially violating that law. The investigation looked at the California Trust Act, passed in 2013, which says that California law enforcement cannot hold people in jail or prison for the sole purpose of immigration officers picking them up, unless they have a warrant.

Though the investigation reached conclusions for some of the other jurisdictions, it did not give a clear decli-

SEE BILL • B4

## Standing up optional on this board



Adam Nadolski (left, standing) Jeff Kurz, Aaron Heerboth, along with Sierra Stevens-McGeever (in hammock, center) ride on a homemade hammock stand-up paddleboard in Ocean Beach on Tuesday. Also in hammocks are Mikey Benaron (left) and his brother David Benaron (far right). Today's weather will cooperate if they can go out again. But rain is predicted Thursday.

K.C. ALFRED UT

Addicts Who Can't Find Painkillers Turn to Anti-Diarrhea Drugs



They call it the poor man's methadone.

The epidemic of opioid addiction sweeping the country has led to another form of drug abuse that few experts saw coming: Addicts who cannot buy enough painkillers are turning to Imodium and other anti-diarrhea medications.

The active ingredient, loperamide, offers a cheap high if it is consumed in extraordinary amounts. But in addition to being unprofitable

MedCity News

How to improve geriatric care in the ER, which today lies between wilderness and cruise ship medicine.



Dr. Zia Agha of West Health (left) and Dr. Ted Chan of University of California San Diego Department of Emergency Medicine.

Although the rising senior population is widely acknowledged, the need to change geriatric care in emergency rooms in light of the "silver tsunami" is not. Seniors generally have more complex conditions than the typical emergency room patient, posing challenges for ER staff. Add dementia to the equation and their visit may be a troubling sign that a family caregiver is overwhelmed and can no longer take care of them.

Home Health



Senior-Specific ERs, Home Care Could Reduce Hospital Admissions

By Elizabeth Ecker | October 25, 2016

Hospital admissions have always been a major concern for the aging workforce, but the sheer numbers will make a rising problem even worse without alternatives to help take pressure away from hospitals.

With an influx of senior patients using emergency health care services, some

The San Diego Union-Tribune

Area's first geriatric ER coming to UCSD



By Paul Hinkle - Covered Wastewater

An emergency unit being planned for UC San Diego's Thurgood Marshall Hospital will be the first in the region to focus solely on seniors. A group whose sheer numbers and complex medical needs are expected to strain available resources as the baby boom generation reaches retirement age.

Geriatric emergency departments, physical manifestations of America's rapidly advancing age, have been popping up across the nation as hospitals seek a more efficient and dignified way to serve patients age 65 and older.

UCSD's first geriatric ER will be the first in the region to focus solely on seniors.

(Above) *The San Diego Union Tribune*: PGY IV Emergency Medicine Residents David Benaron, Aaron Heerboth, and Adam Nadolski were photographed by the UT in Ocean Beach on Dr. Benaron's "Megalodon" surfboard.

(First Top Right) *The New York Times*: DEM Physician Dr. Chuck O'Connell was featured in the NY Times in an article about drug abuse. The article discusses how addicts who can no longer get painkillers are now turning to anti-diarrhea medication.

(Second Right) *MedCity News*: UCSD DEM Chair Dr. Ted Chan and Executive Vice President of West Health Institute Dr. Zia Agha discuss ways to improve geriatric care in ED's.

(Third Right) *Home Health*: UCSD's Geriatric ED is highlighted in an article about senior specific emergency rooms.

(Fourth Bottom Right) *The San Diego Union Tribune*: Opening soon at the Jacobs Medical Center is an Emergency Department that will be focused solely on seniors.

# Where Are They Now?

## 20 Year Residency Alumni: Class of 1996



After stops at Harvard and Utah, **Erik Barton** is Professor and Chair of Emergency Medicine at UC Irvine. **Ted Chan** remained in San Diego and is Professor and Chair of the Department. **Terry Jones** says a big "Aloha" from the Big Island of Hawaii where he works at multiple hospitals and serves as Medical Control Officer of EMS for the Hawai'i District. **Lisa Morikado** is full-time at Scripps La Jolla. When not kayaking for lobsters off the San Diego Coast, **Bing Pao** works at Palomar and recently served on the Board of CEP. **Gary Vilke** is a Professor at UCSD, Clinical Service Chief for the ED, and Director of Risk Management for the hospital.



Photos from our Alumni Celebration in 2015.  
(Left) Dr. Peter Rosen, Residency Director from 1995-99. (Right) Class of 1996.



## 10 Year Residency Alumni: Class of 2006



### UC San Diego Emergency Medicine

**Jeff Bush** is an attending at Kaiser San Diego and continues to enjoy his subpar golf game. After multiple attempts to locate her, **Jess Hill** was found at Sharp Rees-Stealy in the San Diego area. **Alec Huynh** works in Southern California at Mission Hospital last we heard. After moving every few months and years to different locales, **Jimmy Hwang** has finally settled back here in San Diego, working at Scripps La Jolla. **Saul Levine** continues to work at Sharp Memorial where he oversees the EMS program. And **Jim Nelson** is now the Medical Director of the ED at Pioneers Hospital in Brawley, CA

## Stay Tuned!

Another Alumni  
Celebration in the  
works during  
ACEP 2018

For photos from the  
2015 Alumni  
Celebration, click [here](#).



Current Residency Director Binh Ly and class of 2006 Alumni Jeff Bush.

## ORAL PRESENTATIONS

The Changing Landscape of Emergency Department Visits in California.

Edward M. Castillo, PhD, MPH

ED Utilization Prior to a Suicide and Self-Inflicted Injury Related ED Visit.

Michael Wilson, MD, PhD

Medication Adherence in the Emergency Department: What are the Barriers?

Chris Coyne, MD

## LIGHTNING PRESENTATIONS

Multivariate Analysis of 30 day Readmission for Acute Myocardial Infarction.

Jesse Brennan, MA, Edward Castillo, PhD, MPH, Gary Vilke, MD, DS Spinosa, RY Hsia

Asthma and Asthma-Mimicking Pediatric ED Revisit Within Three Days of an ED Discharge.

Edward M. Castillo, PhD, MPH

ED Utilization 3-Days Prior to a Fall-Related ED Visit Among Elderly Patients.

Edward M. Castillo, PhD, MPH

ED Revisits Within 3 Days of an ED Discharge Among Elderly Patients.

Edward M. Castillo, PhD, MPH

Low Risk Febrile Neutropenia: Can These Patients be Safely Discharged from the Emergency Department?

Christopher J. Coyne, MD

## POSTER PRESENTATIONS

Asthma Bouncebacks Emergency Department Discharges who Return as Admission Within Three Days.

Yuko Nakajima, MD

Emergency Department Patient Perception of Stroke: A Comparison of Elderly and Nonelderly Knowledge of Stroke.

David Benaron, MD



ADVANCING EMERGENCY CARE 

## Las Vegas, NV

Trends Among Emergency Department Visits for Suicide-Related Diagnoses, 2008-2014

Jesse Brennan, MA

Characteristics of Frequent Users of Emergency Departments with Pain Related Diagnoses

Eddie Castillo, PhD, MPH

Healthcare Usage and Risk Screening Within One Year of Suicide Death

Amy Stuck, PhD

An Evaluation of screening Tools to Predict Opioid Misuse in the Emergency Department

Michael Wilson, MD, PhD

What Happens to Emergency Patients who Leave Without Being Seen (LWBS) by a Physician?

Gary Vilke, MD

A Retrospective Review of Antipsychotic Medications Administered to Psychiatric Patients in a Tertiary Care Pediatric Emergency Medicine

Frances Rudolf, MD

National Survey of Emergency Physicians Concerning Home-Based Care Options as Alternatives to ED-Based Hospital Admissions

Amy Stuck, PhD

Cancer-Related Emergency Department Bounce Backs: Describing the Population and Assessing Outcomes

Chris Coyne, MD



# 2016 PUBLICATIONS & GRANTS

## ORIGINAL ARTICLES

Gaspari R, Weekes A, Adhikari S, Noble VE, Nomura JT, Theodoro D, Woo M, Atkinson P, Blehar D, Brown SM, Caffery T, Douglass E, Fraser J, Haines C, Lam S, Lanspa M, Lewis M, Liebmann O, Limkakeng A, Lopez F, Platz E, Mendoza M, Minnigan H, Moore C, Novik J, Rang L, Scruggs W, Raio C. Emergency Department Point-of-care Ultrasound In Out-of-hospital and In-ED Cardiac Arrest. Resuscitation; published online 2016 Sep 28.

Schneir A, Rentmeester L. Carbon monoxide poisoning and pulmonary injury from the mixture of formic and sulfuric acids. Clin Toxicol (Phila). 2016 Jun;54(5):450-3. Epub 2016 Mar 21.

Cantrell L, Wardi G, O'Connell C. Propofol Use for Toxin-Related Seizures. Pharmacotherapy. 2016 May 6. [Epub ahead of print]

Coyne CJ, Le V, Brennan JJ, Castillo EM, Shatsky RA, Vilke GM. Low Risk Febrile Neutropenia: Can these patients be safely discharged from the Emergency Department? Academic Emergency Medicine. April 2016. 23 (1):S373

Arora S, Ford K, Terp S, Abramson T, Ruiz R, Camilon M, Coyne CJ, Lam CN, Menchine M, Burner E. Describing the evolution of mobile technology usage for Latino patients and comparing findings to national mHealth estimates. J Am Med Inform Assoc. 2016

Coyne CJ, Chui C, Brennan JJ, Castillo EM, Vilke GM. Medication Adherence in the Emergency Department: What are the Barriers? Academic Emergency Medicine. April 2016. 23 (1):S73

Lam SH, Majlesi N, Vilke GM. Use of Intravenous Fat Emulsion in the Emergency Department for the Critically Ill Poisoned Patient. J Emerg Med. 2016 Mar 10. [Epub ahead of print]

Lev R, Petro S, Lee O, Lucas J, Stuck A, Vilke GM, Castillo EM. A description of Medical Examiner prescription-related deaths and prescription drug monitoring program data. Am J Emerg Med. 2016 Mar;34 (3):510-4. Epub 2015 Dec 14.

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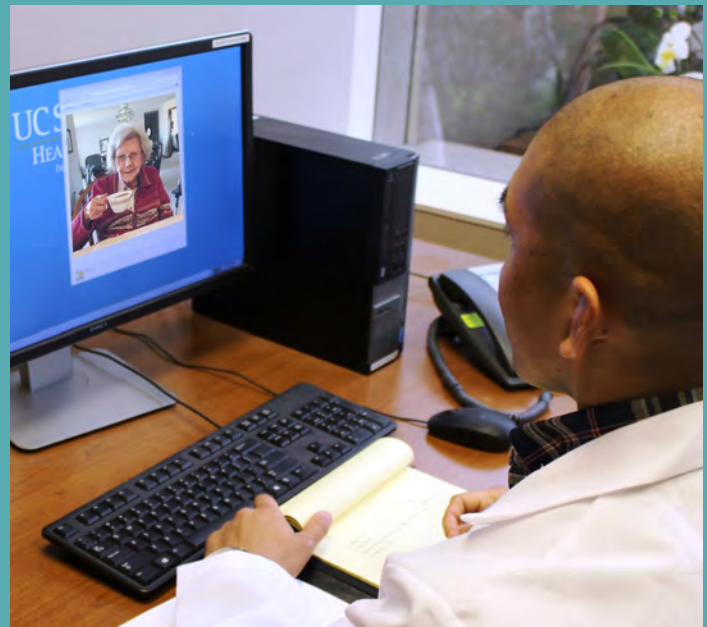
Glober NK, Sporer KA, Guluma KZ, Serra JP, Barger JA, Brown JF, Gilbert GH, Koenig KL, Rudnick EM, Salvucci AA. Acute Stroke: Current Evidence-based Recommendations for Prehospital Care. West J Emerg Med. 2016 Mar;17(2):104-28. Epub 2016 Mar 2.

## UCSD DEM Awarded \$2.6 Million Telemedicine Grant

The Department of Emergency Medicine has received a \$2.6 million Partnered Research Project award from the West Health Institute. The project will develop, test, and implement telehealth services at three assisted living facilities in San Diego County.

Services will include 24/7 emergency/urgent care evaluations, as well as regular weekly Geriatrics and Geropsychiatry clinics via this new technology. In addition, pharmacists will also tele-consult to help manage medications for these patients.

The grant is a partnership between the DEM, [Division of Geriatrics](#), [Department of Psychiatry](#), and the [Pharmacy at UCSD Health](#).



# 2016 PUBLICATIONS & GRANTS CONT'D

Lev R, Petro S, Lee O, Lucas J, Stuck A, Vilke GM, Castillo EM. A description of Medical Examiner prescription-related deaths and prescription drug monitoring program data. *Am J Emerg Med.* 2016 Mar;34(3):510-4. Epub 2015 Dec 14.

Villarreal J, Kahn CA, Dunford JV, Castillo EM, Clark RF. Prehospital activated charcoal use in antipsychotic overdose. *Am J Emerg Med.* 2016 Feb;34(2):316-7. Epub 2015 Nov 9.

Clark AT, Clark RF, Cantrell FL. A Retrospective Review of the Presentation and Treatment of Stingray Stings Reported to a Poison Control System. *Am J Ther.* 2016 Feb 5. [Epub ahead of print]

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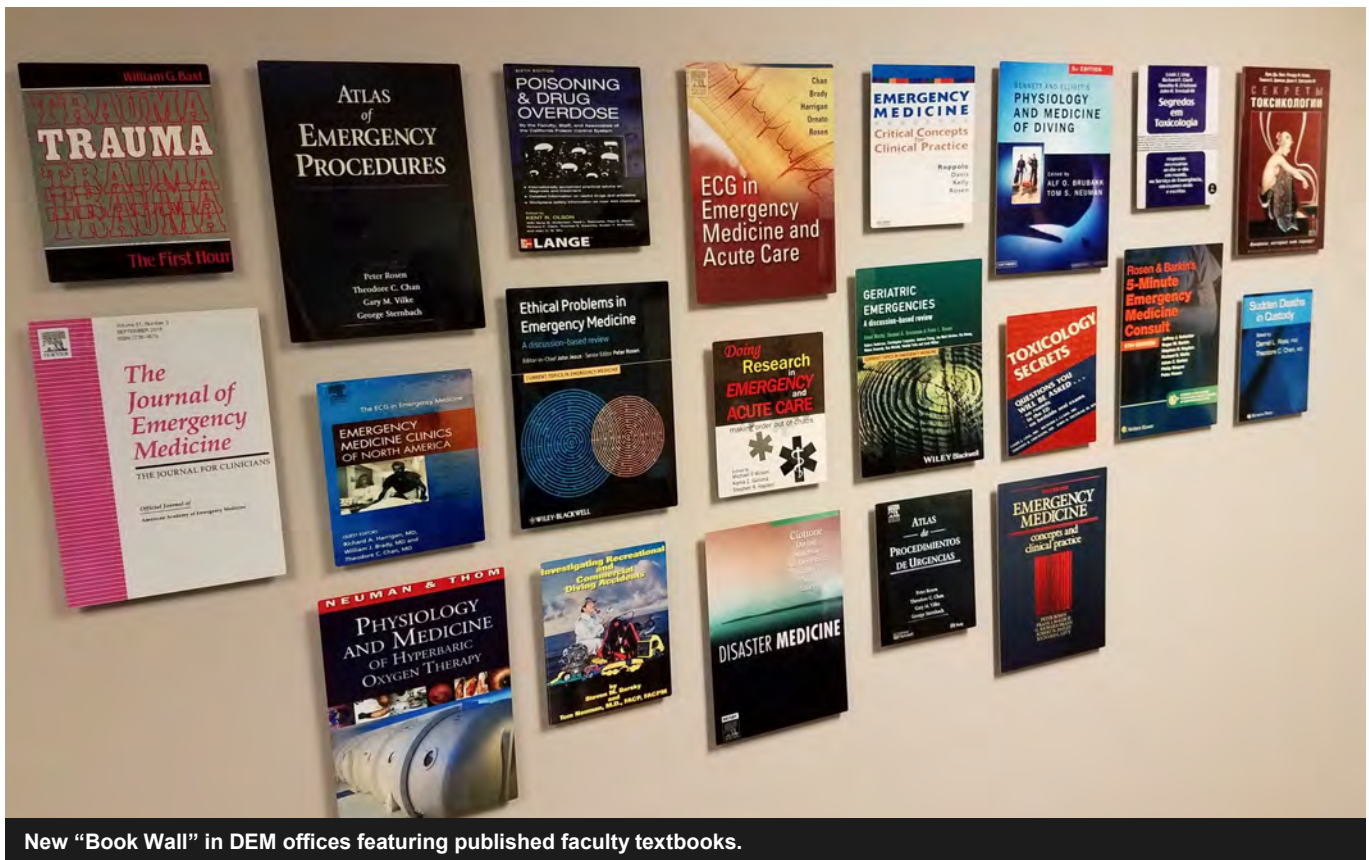
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## GRANTS

Principal investigator, "A randomized double-blind multicenter double-dummy non-inferiority trial of loxapine and intramuscular haloperidol + lorazepam." \$490,000. 1/5/17-1/14/19.

Site principal investigator for investigator-initiated grant, Teva Pharmaceuticals. "A naturalistic study of antipsychotic medication for agitated patients in the emergency department." \$56,600. 2015-2016.

Kuppermann N, Holmes J (Study co-PI); Ishimine P (Site PI). Validation of Decision Rules for CT Use in Children with Abdominal or Head Trauma. National Institute for Child Health and Human Development: \$ 93,962 (FY 2016-2017), \$460,343 (FY 2016-2021).



New "Book Wall" in DEM offices featuring published faculty textbooks.

# UCSD DEM Goes to Peru

DEM Faculty Member and Ultrasound Division & Fellowship Director, Dr. Colleen Campbell and team headed down to Cusco Regional Medical center to teach the doctors how to use point of care ultrasound to improve their diagnostic capability and their procedural accuracy. They also presented their lectures at the Cusco International and Regional Medical Conference. With them they brought 4 machines and gifted two to the local hospital.

The team consisted of Racheal Ko, a pre med student and scribe, Ilan Kolkowitz, a beginning 4 year medical student, and Drs. Cameron Smyres and Marian Xu, who are current UCSD Ultrasound fellows. Dr. Campbell led instruction on ultrasound at the hospital and did rounds in the ICU, Pediatrics and ER. Dr. Smyres arranged the trip before hand with his contacts from his prior work there. After completing the ultrasound training, the Ultrasound Team brought toys to orphans in the Sacred Valley and to a primary school in a region in the mountains.

Dr. Campbell also brought along her daughter Skyler, who coordinated the purchase, transfer and distribution of the toys and supplies to the kids.



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