

Ninth Annual Scholarship Day



**David Geffen
School of Medicine**

and

Charles R. Drew
University of Medicine and Science

Thursday, March 14, 2013

Ackerman Grand Ballroom

Conference Moderator:

Margaret L. Stuber, MD

Assistant Dean of Student Affairs for Career Development and Well-Being

Vice Chair for Education in Psychiatry

Daniel X. Freedman Professor, Psychiatry and Biobehavioral Sciences

David Geffen School of Medicine at UCLA

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Schedule

8:00 – 9:00 am

Check-In

Ackerman Grand Ballroom, 2nd level

Continental Breakfast Buffet

Poster Set-Up

Ackerman Grand Ballroom, 2nd level

9:00 – 10:30 am

Concurrent Poster Sessions

10:30 – 10:45 am

Students remove posters no later than 10:40 am

10:45 – 12:00 noon

Plenary Oral Session

Ackerman Grand Ballroom, stage side



Concurrent Poster Session Schedule

Ackerman Grand Ballroom

BASIC SCIENCE

Moderator: Harry Vinters, MD

Poster	Student	Topic
1	Rosen, Ezra	Progranulin Interacts with the Neurodegeneration Gene Atrophia-1
2	Ameln, Nicholas	Lidocaine Does Not Reverse Seizure Activity in Bupivacaine-Induced Neurotoxicity
3	Derian, Armen	Net-Shape construction of scaffolds via polymer infusion into 3D printed porogen performs
4	Yamin, Ghiam	Stabilization of A ²⁴² oligomers through PICUP and Tyr scanningmutagenesis
5	Phillips, John	Py-Im Polyamide Induced Replication Stress Activates ATM/ATR but not Downstream Effector Kinases in Hormone-Insensitive Prostate Cancer Cells
6	Chang, Margaret	Human tolerogenic dendritic cells induced by galectin-1 promote FoxP3+ regulatory T cell differentiation and suppress T cell proliferation
7	Van Valen, David	A single-molecule Hershey Chase experiment
8	Uzgil, Besim	Activity-dependent transport of the transcriptional coactivator CRTC1 from synapse to nucleus during long-lasting forms of synaptic plasticity

CARDIAC

Moderator: Jodi Friedman, MD

165	Goldman, Mark	Transthoracic Echocardiography for Evaluation of Hypotension and Hypoxemia in the PACU
9	Finch, William	Implantation of the Melody Transcatheter Pulmonary Valve in Patients With Existing Valve Inner Diameter >22mm
10	Chang, Marvin	QT prolongation does not cause EAD-mediated Arrhythmias such as Torsades de Pointes
11	Zachariah, Sybil	Peak Pressure Gradients after Melody Valve Implantation: A comparison of Cardiac Catheterization and Doppler Echocardiography
12	Mannan, Ajit	Chest Pain with Bradycardia: A Presentation of Chagas Cardiomyopathy
13	Liu, David	General anesthesia induces changes in Doppler and 2D Speckle-tracking echocardiography markers of diastolic function in cardiac surgical patients
14	Podlesny, Piotr	Use of abandoned pacemaker lead to avoid new implant for fractured ICD lead
15	Sinha, Arjun	Risks of Cardiac Catheterization and Results of Revascularization in Patients with End-Stage Liver Disease
16	Kitamura, Christian	Takotsubo Cardiomyopathy Following an Epileptic Seizure: A Case Report

CHILDREN AND ADOLESCENTS I

Moderators: Kelly Young, MD

17	Aliganga, Frank Anthony	Examining Unmet Adolescent Mental Health Needs and Perceptions of Mental Health among Filipino Americans
18	Copeland, Raven	Promoting Healthy Lifestyles in Foster Children
19	Rodriguez, Thomas	Utilization of Psychiatric Emergency Services by Pediatric and Adolescent Patients of Varying Ethnicities
20	Diaz, Molly	Pediatric Patient and Family Perspectives Surrounding Readmission to Mattel Children's Hospital
21	Fernando, Tasha	Risk Factors for Apnea in Children Treated for Out-of-Hospital Seizure
22	Spades, Carla	Formative Evaluation of the New Family Care Team Perinatal Mental Health Pilot at USC-Eisner Family Medicine Clinic
23	Iskandar, Margret	Pediatric Recurrent Pneumonia
24	Perez, Kathleen	Association between Milk Consumption and Cardiovascular Risk Factors in Children: NHANES 1999-2000

Concurrent Poster Sessions - continued

Ackerman Grand Ballroom

CHILDREN AND ADOLESCENTS II

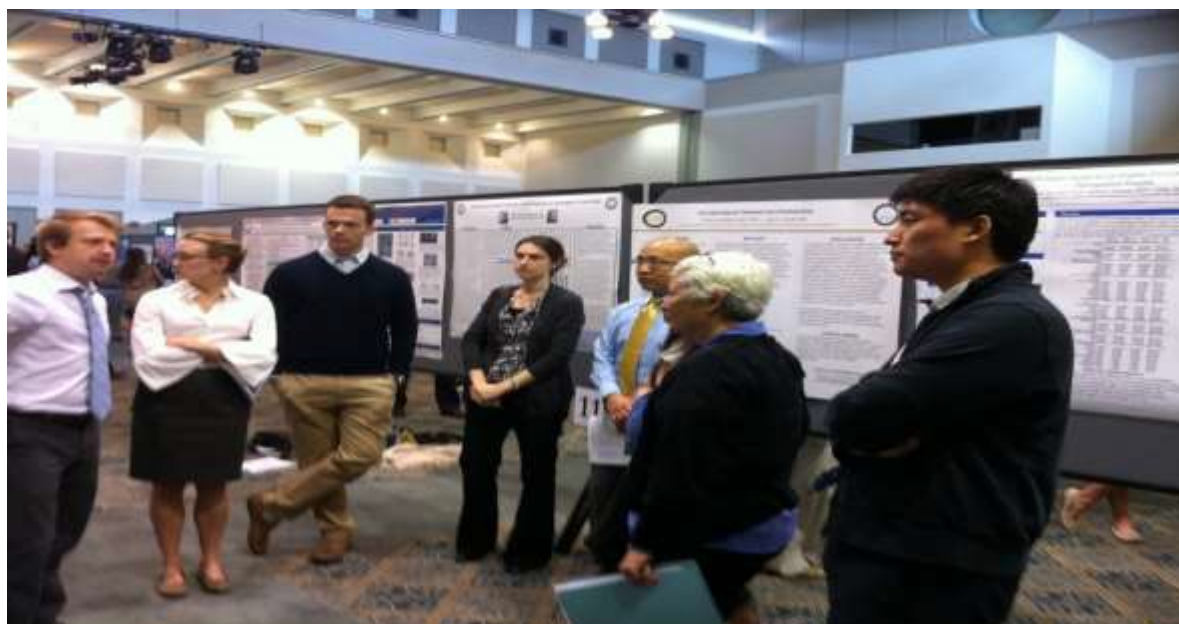
Moderator: Vedang Londhe, MD

Poster	Student	Topic
25	Mudambi, Kiran	Association of Projected Transfusional Iron Burden with Treatment Intensity in Childhood Cancer Survivors
26	Reeves, Megan	Engaging Adolescents in the Research Process
27	Dao, Linh	Fostering healthy eating habits among young children participating in the Supplemental Nutrition Assistance Program for Women, Infant and Children (WIC) in Rosemead, CA
28	Hernandez-Morgan, Marisa	Weighing In On Childhood Obesity: Is A Lack of Parental Awareness Contributing to the Problem?
29	Gallegos, Abraham	Teachers' views on childhood obesity and the school meal program
30	Izadi, Neema	Evaluating Kaiser Permanente Kids (KP KIDS), a program of Venice Family Clinic to fight childhood obesity
31	Chu, Stephanie	Transitional Cell Carcinoma of the Bladder in a 9-Year-Old Male
32	Parker, Jonathan	Epidemiologic study of Pediatric Foot Fractures

EDUCATION INNOVATIONS I

Moderator: Hy Doyle, EdD

33	Bogseth, Michael	Medical Student Ultrasound Education Effectiveness at DGSOM UCLA
34	Nguyen, Viet	The Effect of the Hidden Curriculum on Resident Burnout and Cynicism
35	Escovedo, Cameron	Utility and efficacy of a peer-based anatomy tutoring program for first-year medical students
36	Toomarian, Mojdeh	Evaluation of a Student Run Mobile Clinic
37	Ortega, Maria	Virtual Connections/ Possibilities for a Smarter Application Process
38	Wang, Sinny	Changing Eating Behaviors in Medical Students
39	Inzunza Velazquez, Pablo	San Ysidro – Kaiser SD Summer Health Fellowship
40	DeMartini, Jeremy	Community Health Needs Assessment of DGSOM Students



Concurrent Poster Sessions - continued

Ackerman Grand Ballroom

EDUCATION INNOVATIONS II

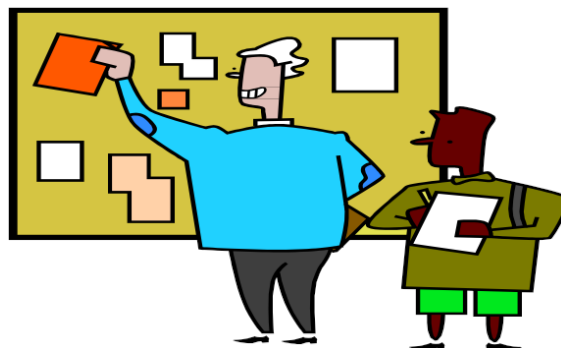
Moderator: Sebastian Uijtdehaage, PhD

Poster	Student	Topic
41	Pierce, Mayumi	Ready and equipped: Medical Student Preparedness for the Trials of Clerkships
42	Ojukwu, Kenechukwu	Anatomy Academy promotes Systems-Based Practice among medical and undergraduate students
43	Henderson, David	A proposed tool for improving diagnosticity of evidence based on a selective review of medical decision making and problem solving literature
44	Jimenez, Alejandro	Exploring barriers and facilitators to success among pre-medical community college students
45	Keyashian, Aimee	Teaching Radiology Residents the Basics of Interventional Radiology Procedures
46	Kopriva, Christina	Organization of Representatives "The Road to Represent"
47	Almanza, Carlos	Exploring RAP: A search for the key components that make this program successful
48	Johnston, William	Progress Testing in America

EMERGENCY MEDICINE

Moderator: Zachary Rubin, MD

164	Larrson, Jarod	A comparison of methods for the rapid diagnosis of influenza
49	Nguyenfa, Paul	Ptosis and Rigidity: A Case Report of Concomitant Myasthenia Gravis and Parkinson's Disease
50	Oberfoell, Stephanie	Improving Telephone Follow-Up for Patients Discharged from the Emergency Department: Results of a Randomized Controlled Trial
51	Gaschler, Wesley	Analysis of the use of abdominal ultrasounds in the diagnosis of pediatric appendicitis at the Ronald Regan UCLA Medical Center Emergency Department
52	Freed, Amanda	The "Weekend Effect" on General Medicine Admissions
53	Douglass, Amy	Evaluation of the Double Check Policy in Harbor-UCLA Medical Centers Emergency Department
54	Schallert, Eric	Competency of Emergency Physicians in using bedside ultrasonography to accurately assess obstetric complaints at Harbor-UCLA Medical Center
55	Gutierrez, Adriana	Recognizing Common Emergencies
56	Nguyen, Jenna	Inpatient and Emergency Department Sepsis Process Improvement at Harbor/UCLA



Concurrent Poster Session - continued

Ackerman Grand Ballroom

ENT and SKIN

Moderator: Melvin Chiu, MD

Poster	Student	Topic
57	Lee, James	The Kawamoto Classification Scheme for Parry Romberg Syndrome
58	Totonchy, Mariam	Auditory analysis of xeroderma pigmentosum, 1971-2012: Hearing function, acute sun sensitivity and DNA repair complementation group predict neurologic degeneration
59	Slack, Ginger	Dental Pulp Stem Cell Cleft Genes Differential Expression and Developmental Influence during Palatogenesis
60	Berkovitz, Suzanne	Circadian rhythm of human sebocytes
61	Yuan, Joyce	Osteogenic Potential of Nager Syndrome Dental Pulp Stem Cells
62	Bowers Obioha, Jasmine	Skin Cancer Awareness and Sun Protective Behaviors Among Minority Patients
63	Robinson, Austin	When it Rains? Risk of Skin Cancers in Patients with Multiple Myeloma: A Retrospective Cohort Study
64	Fuller, Jennifer	Head and Neck Sarcomas and the UCLA Experience

GI and PULMONARY

Moderator: Art Gomez, MD

65	Kotter, Haleigh	Dietary Supplement Induced Fulminant Hepatic Failure
66	Zhang, Sue	Systemic Mastocytosis: A Rare Cause of Chronic Diarrhea
67	Bai, Yang	"Social Medica" – Seeing IBS through Tweets
68	Edpao, Peter Joseph	Course of primary sclerosing cholangitis in patients with concurrent inflammatory bowel disease following colectomy
69	Jain, Amit	Disparities in attitudes and practices regarding Type II sphincter of Oddi dysfunction: A survey of expert U.S. endoscopists
70	Howard-Anderson, Jessica	Eosinophilic Pleural Effusion: A worm by another name
71	Ikuta, Kevin	MAInd the Gap
72	Darling, Curtis	Predictors of Poor Outcomes Following Liver Transplantation in Patients with Hepatopulmonary Syndrome

HEALTH POLICY I

Moderator: Edward Ha, MD

73	Belyeu, Brittaney	Enhancing Workforce Diversity: A Qualitative Analysis of Black Males Pursuing Careers in Health care
74	Tran, David	Enhancing Workforce Diversity: A Quantitative Analysis of Black Males Pursuing Careers in Health Care
75	Van Groningen, Nicole	The Value of Routine Health Maintenance
76	Hung, Kin Wai (Tony)	Improving Health Around the World: UCLA Center for East-West Medicine Wellness Center China Project
77	Limon-Rocha, Evita	Changing Physician Practices to Address Diabetes within Latino Communities
78	Snell, Christopher	Health Information Sought and Clinical Services Utilized by Low-Income Latino Patients in Tijuana Mexico, Free Clinic
79	Correa, Vanessa	Effective Implementation of an Admission Protocol: Impact on Hospital Length of Stay
80	Taylor, Julie	Optimizing Hospital-Acquired Venous Thromboembolism Prevention (HA-VTE) at UCLA through Quality Improvement Interventions

Concurrent Poster Session – continued

Ackerman Grand Ballroom

HEALTH POLICY II

Moderator: Erin Atkinson, MD

Poster	Student	Topic
81	Hernandez, Irma	Determining the Needs in Haiti
82	Kim, Julie	Frequency of Healthcare-Associated Infections in 30-Day Readmissions of Skilled Nursing Facility Patients
83	Mulenga, Chali	The Process and Collaboration for Empowerment and Discussion (PACED) method as a tool for addressing HIV stigma
84	Shahabuddin, Najjia	Inpatient Physician Communication with Primary Care Physicians and the Association with Utilization after Discharge
85	Morrison, Christopher	Dissemination of Tobacco Control Guidelines to a Specialty Care Setting: a Urlogic Perspective
86	Tate, Erica	Improving Treatment for Severe Sepsis and Septic Shock
87	Eugene, Estelle	Improving Diabetic Retinopathy Screening
88	Siani, Aaron	Actionable Genomics: A Strategy for Management-Guided Genetics
166	Garcia, Miguel	Hispanic Ethnicity Associated with Increased Prevalence of Trimethoprim-Sulfamethoxazole Resistance in Escherichia coli Urinary Tract Infections

HEMATOLOGY/ONCOLOGY I

Moderator: Edward Garon, MD

89	Razani, Bahram	Negative Feedback in Noncanonical NF- κ B Signaling
90	Nair-Gill, Evan	Activation of deoxycytidine kinase is an imaging biomarker for ATM-mediated DNA damage repair and a target for radiosensitization
91	Fong, Brendan	Monitoring of regulatory T cell frequencies and expression of CTLA-4 on T cells, before and after DC vaccination, can predict survival in GBM patients
92	Roosta, Tina	Cytomegalovirus-induced coagulopathy
93	Hummel, Charles	Early detection of ovarian cancer
94	Madden, Erik	Evaluation of serum B-cell maturation antigen in multiple myeloma
95	Anastasiou, Christine	Proinflammatory mediators upregulate IMP-3 in HNSCC
96	Brovman, Ethan	Baicalein enhances gemcitabine-mediated apoptosis in pancreatic cancer cells



Concurrent Poster Session - continued

Ackerman Grand Ballroom

HEMATOLOGY/ONCOLOGY II

Moderator: Gary Schiller, MD

Poster	Student	Topic
97	Sandberg, Jesse	The Use of Percutaneous Cryoablation for the Treatment of Recurrent Thoracic Mesothelioma: Efficacy and Technical Considerations for Complete Ablation
98	Lin, Stephanie	Discrimination of Dysplastic nodules from Well-differentiated (grade 1) Hepatocellular Carcinoma on MR Imaging
99	Ganesan, Calyani	Factors affecting poor survivorship in African American males with prostate cancer
100	Do, Nhan	Cutaneous vasculitis as a presenting feature of multiple myeloma
101	Chow, Lucy	Retrospective review of the techniques, safety, and efficacy of radiofrequency ablation for perivascular hepatocellular carcinoma
102	Beal, Christyn	Perivascular epithelioid cell tumor a Case Report
103	Huss, Julie	Kidney Biopsy for Tumors: Pathologic Interpretation and Clinical significance
104	Ekmekjian, Nellie	Venous Thromboembolism as the primary manifestation of prostate and renal cell carcinoma

INTERNAL MEDICINE

Moderator: Greg Brent, MD

105	Tomova, Gergana	Investigation of the Relationship Between Glycemic Control and Outcomes in Heart Failure Patients With and Without Diabetes Mellitus
106	Nemati, Kiav	Rare serological findings in a patient with Systemic Lupus Erythematosus
107	Sanchez, Lauren	Thrombotic Complications in GATA2 Deficiency
108	Waterman, Benjamin	A Retrospective Study to Evaluate the Work-up and Follow-up of Patients With Monoclonal Gammopathy of Undetermined Significance
109	Alexander, Athena	Rapid-Onset Obesity with Hypothalamic Dysfunction, Hypoventilation, and Autonomic Dysregulation (ROHHAD): Genetic Etiology and Clinical Evaluation of this Rare Syndrome in the Pediatric Population
110	Orellana, Marizabel	Diabetes Group Appointments
111	Kolstad, Kathleen	Great Apes Hypertensive Retinopathy Project
112	Ang, Michael	Topical Plasminogen as an Adjunctive Treatment in Recurrent Ligneous Conjunctivitis



Concurrent Poster Session - continued

Ackerman Grand Ballroom

NEUROLOGY/NEUROSURGERY

Moderator: Isaac Yang, MD

113	Clelland, Claire	Common cerebral networks associated with distinct deep brain stimulation targets for cluster headache
114	Behdinian, Kamyar	Multimodality Imaging of Tuberous Sclerosis Complex
115	Heyrani, Nasser	Interspinous Process Implantation for the Treatment of Neurogenic Intermittent Claudication
116	King, Victoria	Long-term Clinical Outcomes of Spinal Cord Stimulators
117	Liao, Vivian	Spinal cord stimulation for chronic pain: long-term patient usage and device revision frequency
118	Jonan, Adrian	Synvisc Injection in the Treatment of Sacroiliitis: A Retrospective Cohort Study
119	Firempong, Alexander	Incidence and mortality from septic shock and respiratory failure by race/ethnicity among elective neurosurgery patients in California 2001-2009
120	Pannell, William	Driver Reaction Time in Spinal Surgery Patients
121	Patel, Vishal	High Angular Resolution Diffusion Imaging for Predicting Outcomes in the Surgical Treatment of Mesial Temporal Lobe Epilepsy

OB-GYN

Moderator: Dotun Ogunyemi, MD

122	Huynh, Linda	Long-Term Outcomes of Prolapse and Incontinence Prosthesis and Graft Removal
123	Mack, Yamanda	Knowledge and Screening Practices of Cervical Diseases among HIV-positive women
124	Ekwueme, Joy	What Community Factors in the Riverside and San Bernadino Counties Predict Low Birth Weight?
125	Sudhinarest, Amy	Are There Inequalities in Fertility Service Utilization?: A Comparison of Impaired Fecundity Women Who Seek Care and those Who Do Not Seek Care from the National Survey of Family Growth (NSFG)
126	Isiaka, Vanessa	Vitamin D status and female pelvic floor disorders
127	Bolton, Kelly	Association Between BRCA1 and BRCA2 Mutations and Survival in Women With Invasive Epithelial Ovarian Cancer
128	Castaneda, Luciano	Hospital Readmission Rates Following a General Surgery Procedure
129	Walker, Andrea	General tuberculosis (GTB) as the cause of TOA in patients with appropriate risk factors

ORTHOPEDICS

Moderator: Isidro Salusky, MD

130	Foran, Ian	MRI findings in patients following an initial diagnosis of frozen shoulder
131	Cheng, Timothy	The development of an affordable virtual-reality training tool for arthroscopy
132	Gurbani, Ajay	Variations in the quality of care delivered to patients undergoing total joint replacement at three hospitals
133	Sako, Eric	Intra-articular Calcifications Following Arthroscopically-Assisted ACL Reconstruction: Prevalence and Significance
134	Frost, Bryan	Efficacy of Parallel versus Perpendicular Needle Placement Technique for Lumbar Radiofrequency Ablation for Treatment of Lumbar Facet Arthropathy
135	Palvolgyi, Roland	The Combined Presence of Bilateral Accessory Heads of Flexor Pollicis Longus and Persistent Median Arteries in a Cadaveric Female: A Case Report
136	Lee, Marissa	Alcohol and Musculoskeletal Injury: The effects of alcohol on recovery from fractures and dislocations
137	Harris, Lele	Physician-patient communication about physical therapy for musculoskeletal complaints
138	Pham, Michelle	Prolotherapy in Chronic Shoulder Pain

Concurrent Poster Session - continued

Ackerman Grand Ballroom

PSYCHIATRY

Moderator: Erika Nurmi, MD

139	Tabsh, Kareem	Anti-NMDA receptor encephalitis in a 22 year-old woman: a neurologic disease that presents with acute onset psychiatric symptoms
140	Alanis, Lourdes	Factors Contributing to Depression Among HIV-Positive and HIV-Negative Latinos Residing in South Los Angeles
141	Panowicz, Michael	Severe, Resistant Major Depression with Obsessional Suicide Ideation Responsive to Abilify
142	Hameed, Shalra	Resting state brain function differs in lower versus higher trait neuroticism
143	Tran, Tung	Psychosis Associated with Severe Anemia and Vitamin B12 Deficiency
144	Wystrach, Carter	Delusional Disorder, Somatic Type: Olfactory Reference Syndrome in a Patient with Delusional Trimethylaminuria
145	Ahdout, Julianne	Evaluation of Preoperative Anxiety: Comparison of Verbal Numerical Scale and New Visual Smileys Scale
146	Harris, Craig	Cerebellar abnormalities in Alzheimer Disease

SKIN

Moderator: Lorraine Young, MD

147	Kim, Michelle	Microbial Keratitis After Boston Type I Keratoprosthesis Implantation: Incidence, Organisms, Risk Factors, and Outcomes
148	Yu, Sophia	Hypertriglyceridemic Waist Does Not Identify Metabolic Triad in Men of African Descent
149	Nguyen, Anna	Neuropathological Features in Hereditary Endotheliopathy with Retinopathy, Nephropathy, and Stroke (HERNS)
150	Zielins, Elizabeth	MRSA Prophylaxis in Plastic Surgery: A Survey
151	Kusnezov, Nicholas	Social Media Use and Impact on Plastic Surgery Practice
152	Klapman, Gabriel	Yoga for Chronic Low Back Pain and its Mechanism of Action (YoMA)
153	Lew, Thomas	Is there an Association Between Acne and Alopecia?
154	Pirouz, Aslan	Propionibacterium acnes induces IL-1 ² secretion via the NLRP3 inflammasome in human monocytes
163	Sprague, Jessica	Availability of Sunscreen in Adjacent Predominantly Hispanic versus Predominantly non-Hispanic Neighborhoods in Los Angeles

SURGERY

Moderator: Jonathan Hiatt, MD

155	Ahdout, Jasmine	Acute Post Gastric Reduction Surgery Neuropathy after a Laparoscopic Sleeve Gastrectomy
156	Gabriel, Viktor	Success of Endovenous Saphenous and Perforator Ablation in Patients with Symptomatic Venous Insufficiency on Chronic Warfarin Therapy
157	Liu, Yuan	Coblation Tonsillectomy and Adenoidectomy versus Coblation Partial Intracapsular Tonsillectomy and Adenoidectomy: Experience at a Single Institution
158	Anderson, Shannon	When It's Not A Spigelian Hernia: Abdominal Cutaneous Nerve Entrapment Syndrome
159	Wong, Samantha	Selecting oversized donor cardiac allografts for patients with pulmonary hypertension may not be necessary
160	Ashman, Zane	Acute Care Surgery in Heart Transplant Recipients
161	Nguyen, Elaine	Fontan conversion and arrhythmia surgery in a young male with an atriopulmonary connection: a case report
162	Wolfe, Michael	Transradial versus Transfemoral Percutaneous Coronary Intervention in Acute Coronary Syndromes: Re-Evaluation of Current Body of Evidence



Charles R. Drew University of Medicine and Science
CDU/UCLA Medical Education Program
Medical Student Research Thesis Program

2013 Medical Student Research Colloquium Current Research in Health Disparities

Wednesday, March 20, 2013

8:00 A.M. - 4:30 P.M.

Charles R. Drew University - Keck Auditorium
1731 East 120th Street Los Angeles, CA 90059
Course Director: Dr. Shahrzad Bazargan-Hejazi

Topics Include:

* Basic Science * Cancer * Epidemiological Studies * Ethnicity and Disease *
HIV * Health Policy * Pediatric Health *

For further information contact:

Shahrzad Bazargan-Hejazi, PhD at 323.357.3464 shahrzadbazargan@cdrewu.edu
Stacey Teruya, EdD, MS, at 323.563.4965 staceyteruya@cdrewu.edu

This CME activity spans a number of content areas and targets faculty of Charles R. Drew University and UCLA, medical students, post-graduate physicians, community physicians, nurses, allied health care professions and fellows interested in health disparities research. Participants will learn of new findings related to patient care in underserved communities. In addition, physician practices that impact healthcare delivery will be reviewed. This CME seminar will improve knowledge and competence related to clinical care, service and research.

The topic areas were identified through detailed review of existing literature, and approval by the Chair of the Medical Student Research Thesis Program and the Research Thesis Evaluation Committee. Upon completion of this symposium, participants will be able to:

1. Identify several areas of health disparity gaps among underserved population.
2. Identify methodological limitations in conducting scientifically sound health disparity research
3. Cite methods to improve access to care, as well as quality of care among underserved population
4. Discuss new research ideas to improve the health of underserved population.

Physician Continuing Medical Education

Physician Accreditation Statement: Charles R. Drew University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Physician Credit Designation: Charles R. Drew University designates this live activity for a maximum of 6.25 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Instructions to Receive Credit: In order to receive credit for this activity, the participant must submit a completed evaluation/request for credit form to the CME Office. A statement of credit will be issued only upon receipt of a completed activity evaluation/request for credit form. Credit will be emailed to you on a quarterly basis. For information about the accreditation of this program, please contact Charles R. Drew University at 323.563.9349 or Ronald Edelman at 323.563.4980. You can also email jeonathanrodriguez@cdrewu.edu or ronaldedelstein@cdrewu.edu.

Non-Physician Certificates: Non-physicians who successfully complete the activity will receive a certificate of participation. A statement of credit will be issued only upon receipt of a completed activity evaluation/request for credit form. Credit will be emailed to you on a quarterly basis.

Fee Information: There is no fee for this educational activity.

Disclosure of Conflicts of Interest: Charles R. Drew University requires instructors, planners, managers and other individuals and their spouse/life partner who are in a position to control the content of this activity to disclose any real or apparent conflict of interest they may have as related to the content of this activity. All identified conflicts of interest are thoroughly vetted by Charles R. Drew University for fair balance, scientific objectivity of studies mentioned in the materials or used as the basis for content, and appropriateness of patient care recommendations.

Americans with Disabilities Act: ♿ Event staff will be glad to assist you with any special needs (e. g. physical, dietary). Please contact the CME Office prior to the live event at (323)563-4991.



Ackerman Grand Ballroom (stage side)

10:45 am – 12:00 pm

Student presentations are 8 minutes in length followed by a 4 minute question and answer period



Moderator: Gary Satou, MD

Speaker Order	Student	Mentor	Presentation
1	Bukowski, Kyle	Ram Parvataneni, MD	Buccal versus vaginal misoprostol for third trimester induction of labor
2	Kuvhenguahwa, Maita	William E Cunningham, MD, MPH; & Shahrzad Bazargan-Hejazi, PhD	The Association of Patient and Provider Engagement with Adherence to HAART and Health Related Quality of life
3	Raffetto, Brian	Carl Stevens, MD	Does poverty affect lower limb amputation rates among diabetes?
4	Storage, Steven	Arthur L. Brody, MD	Relationship Between Harm Avoidance and Nicotinic Acetylcholine Receptor Density
5	Wolchok, Lauren	LuAnn Wilkerson, EdD & Paul Wimmers, PhD	Evaluating the merits and expected outcomes of a tiered grading system



Oral Presentation Abstracts

Kyle Bukowski: Non-Embalmed Anatomical Dissections in Anatomy Instruction

Background: Misoprostol is an ideal induction agent for unfavorable cervixes given its stimulation of both cervical ripening and uterine contractions. Buccal administration has been shown to be as effective as vaginal misoprostol for induction of second trimester abortion. There is minimal research comparing buccal versus vaginal misoprostol for third trimester induction of labor.

Study design: This study is a prospective, double blinded, randomized control trial comparing misoprostol administered by vaginal and buccal routes in equal dosages (25 mcg). The study was conducted at two sites and enrolled seventy-one patients from August 2011 to November 2012. Women undergoing an induction of labor for medical or obstetrical indications between 34 to 42 weeks gestation, with Bishop score \leq 6, were assigned randomly to receive 25 mcg of buccal or 25 mcg of vaginal misoprostol every 4h until favorable cervix, rupture of membranes, or a maximum of 150 mcg. Participants completed a satisfaction survey after delivery.

Results: Seventy-one women participated. Interim results remain blinded to the investigators. There were no significant differences in the number of deliveries within 24 hours (25% versus 21%, $P=0.77$), within 36 hours (61% versus 53%, $P=0.62$), or within 48 hours (86% vs. 77%, $P=0.36$) in Group A and Group B respectively. However, there was a trend toward shorter time to vaginal delivery in Group A compared to Group B (26.8 h versus 33.3 h, $P=0.0838$). There were no significant differences in cesarean rates (34% versus 41%, $P=0.62$), number of misoprostol doses (2.4 versus 3, $P=0.12$) and pitocin use (80% versus 94%, $P=0.15$) in both groups. There were no differences in rates of tachysystole (14.3% vs 18.2%, $P=0.74$) and abnormal fetal heart changes within 4 hours of the last dose (20% vs 12.5%, $P=0.56$) in both groups. Overall, there were no differences in neonatal outcomes. Most women in both groups preferred buccal over vaginal route (77% versus <1%).

Conclusion: Group A was associated with a trend toward shorter interval time to vaginal delivery by 6.5 h. However, there were no differences in the rates of achieving vaginal delivery within 24, 36, and 48 hours in both groups. Most patients prefer the buccal route for third trimester induction of labor. A larger sample size is needed to obtain definitive results.

Maita Kuvhenguwa: The Association of Patient and Provider Engagement with Adherence to HAART and Health Related Quality of life.

Objective – We examined the relationship of engagement with a physician with patient adherence to HAART, viral load (VL), and health-related quality of life (HRQL).

Methods: We performed a cross-sectional analysis of baseline data collected under the HRSA-funded Special Project of National Significance Outreach Initiative. Subjects were HIV+ adults who received services from mobile testing vans and LA County HIV clinics that were interviewed and had medical records abstracted. Engagement, having a regular HIV provider, and age, served as independent variables; HAART adherence, VL, and HRQL were dependent variables. HRQL was measured by SF-12 Physical Health (PH) and Mental Health (MH) scores. We conducted bivariate analyses to examine the association of engagement with self-reported adherence, VL suppression, and SF-12 PH and MH scores.

Results: The total sample size was 223. The sample was 80% male, 20% female, 46% black, 40% Hispanic, and 9% white. Self-reported adherence was 65%, 62% of subjects had undetectable VL, and 98% had regular HIV providers. Subjects 50 years or older were more likely than those 18-34 or 35-49 to feel engaged with their provider ($p=0.0115$). Engagement scores above the mean were associated with significantly higher SF-12 PH and MH scores (p values ranged from 0.0002 to 0.0324). Although there were no statistically significant associations ($p < 0.05$) between engagement (independent variable) and VL and self-reported adherence (dependent

variables), we observed the following trends: Engagement scores were higher among those with undetectable VL, 72% reported engagement with their providers, compared to 64% in those with detectable VL. Provider engagement was not significantly different between adherent and nonadherent groups.

Conclusions: Having a regular HIV provider and consistent engagement with providers was associated with better HRQL, but not with self-reported adherence to HAART or VL suppression. These findings suggest that maintaining engagement with providers may be helpful to HIV+ patients.

Brian Raffetto: Does poverty affect lower limb amputation rates among diabetes?

Introduction: Lower extremity amputation (LEA) is a common, debilitating but preventable complication of chronic diabetes mellitus. Access to systematic, planned preventive care for patients with chronic conditions differs across income groups in the United States as a result of insurance status, geographic differences in the availability of primary care and other factors. We linked publicly available data sets to test the hypothesis that diabetic lower extremity amputations cluster in lower-income geographic areas.

Methods: We obtained diabetes prevalence data at the zip code level from the Healthy City study, which calculated diabetes prevalence amongst individuals 45 and older throughout the state of California. We obtained the number of diabetic amputations among individuals 45 years and older through the 2008 inpatient hospital discharge data from the State of California Office of Statewide Health Planning and Development (OSHPD), which records patient residence by zip code. Lastly, the research team acquired poverty rates - selected as the percentage of individuals below 200% federal poverty level - and age distribution through the American Community Survey (ACS). We created maps displaying amputation rates among diabetics and compared the distribution in relation to percent population below 200% FPL. We constructed maps for the entire state of California as well as focused representations of the Bay Area, Los Angeles County, Sacramento County and San Diego County.

Results: We identified 8,684 diabetic amputations in 2008. A positive association between diabetic amputation and poverty rates existed throughout the State of California - demonstrating on average a 250-300% increase in amputations in higher poverty areas relative to lower poverty areas. Mapping of diabetic amputation rates and poverty illustrated clusters of higher amputation rates among lower income areas.

Conclusion: Our results identify associations between diabetic lower extremity amputation rates and geographic and demographic factors in urban and rural California. Diabetic residents of zip codes with the highest proportion of household incomes below poverty face a 3 to 4-fold greater annualized risk of lower extremity amputation, compared to those who live in areas with the lowest reported poverty rates. In addition, zip codes with high amputation rates cluster together geographically. Maps of amputation rates show a similar geographic pattern to those showing poverty rates, and identify certain inner city areas with high rates of poverty as hot-spots for diabetic lower extremity amputation.

Steven Storage: Relationship Between Harm Avoidance and Nicotinic Acetylcholine Receptor Density

We sought to determine the relationship between harm avoidance (HA), a dimension of temperament from the Temperament and Character Inventory (TCI), and alpha4beta2* nicotinic acetylcholine receptor (nAChR) density. Healthy adults (n = 105) underwent bolus-plus-continuous infusion positron emission tomography (PET) scanning using the radiotracer 2-[18F]fluoro-3-(2(S)azetidylmethoxy) pyridine (also known as 2-FA). During the uptake period of 2-FA, participants completed the TCI once. The central study analysis revealed a significant association between total HA and mean nAChR density, which was based on higher total HA scores being linked with greater nAChR density across brain regions. In examining HA subscales, both 'Fear of Uncertainty' and 'Fatigability' were significant, based on higher levels of these characteristics being associated with greater nAChR densities. This study adds to a growing body of knowledge concerning the biological basis of personality and may prove useful in understanding the pathophysiology of psychiatric disorders.

Lauren Wolchok: Evaluating the merits and expected outcomes of a tiered grading system

Background: Given student and faculty concerns surrounding the transparency of Letters of Distinction (LODs) and potential disadvantages of pass/fail grading in the residency application process, the Medical Education Committee (MEC) commissioned a Grading Task Force to reconsider the David Geffen School of Medicine's (DGSOM) current grading system. A review of the literature revealed that DGSOM is one of six U.S. medical schools to have pass/fail grading across all four years.

Objectives: The present study was undertaken to assess for variability across clerkships and sites in performance ratings and LOD awards and to model how current evaluations might be used to create a tiered grading system for clinical clerkships and electives.

Methods: We conducted a descriptive analysis of de-identified quantitative performance ratings and LOD awards for students completing all clinical clerkships during the 2011-2012 academic year using Microsoft Excel.

Results: On average, clerkships award LODs to 20% of students, but this varies significantly among clerkships (range 13% to 25%) and by site within clerkships (range 0% to 54%). 45% of students earn no LODs, 29% earn 1-2 LODs, and 26% earn 3 or more. LODs were strongly correlated with performance ratings on the 7-point quantitative scale used in all DGSOM clerkships ($R = 0.71$), and transforming this scale to model a 4-tier grading system such that 7 = Honors, 6 = High Pass, 3-5 = Pass, and 1-2 = Fail effectively stratified the class into the top quartile, middle 50%, and bottom quartile, respectively.

Implications: Results of the literature search and data analysis were presented and discussed with the Grading Task Force, which has voted to recommend to the MEC that DGSOM consider adopting a 4-tier system of Honors/High Pass/Pass/Fail grading in the clinical clerkships and electives and provide comparative data as part of the Medical Student Performance Evaluation (MSPE) with the goal of improving grading transparency for students and residency programs. We expect that these recommendations will be considered in the MEC and Faculty Executive Committee this spring and, if passed, would affect the incoming class of 2017 or 2018. The Task Force also recommended that the MEC investigate and address variability in grading across clerkships and sites.