2013

Bucksbaum Institute
Selected Publications and Research

THE UNIVERSITY OF CHICAGO MEDICINE

Bucksbaum Institute for Clinical Excellence

Bucksbaum Institute for Clinical Excellence
The University of Chicago Biological Sciences
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A. Bucksbaum Institute Master Clinicians

Michael Bishop, MD (Appointed 2013-2016)
Department of Medicine

Publications


**Ross Milner, MD (Appointed 2012-2015)**
Department of Surgery

**Research**

“Potential Roles for the Master Clinicians and Senior Faculty Scholars in the Bucksbaum Institute”

**ABSTRACT:** The role of the Master Clinician and Senior Faculty Scholars is being developed in the spirit of supporting and developing outstanding physicians. As the Bucksbaum Institute grows in experience, this role is evolving. The Master Clinician and Senior Scholars will participate in developing programs in both the undergraduate school and in the medical school to assist with fostering the ideal doctor-patient relationship.
B. Bucksbaum Institute Junior Faculty Scholars

Raymond Grogan, MD (Appointed 2013-2015)
Department of Surgery

Publications


The Acceleration in Papillary Thyroid Cancer Incidence Rates is Similar among Racial and Ethnic Groups in the United States. Aschebrook-Kilfoy B, Kaplan EL, Chiu BC, Angelos P, Grogan RH.


Pilot Grant Update
The thyroid cancer survivorship quality of life study is making significant strides. We recently completed the website for the study, which can be found at: www.natcss.sites.uchicago.edu. We have been busy enrolling participants into our study from the University of Chicago, however we hope to have our IRB approval soon to roll the study out to our multi-institutional sites. You can see the sites that will be participating on the website. Once data collection is underway at these sites we hope to broaden the enrollment to several other sites throughout the United States. We will also be sending our endocrine surgery fellow Benjamin James to the 16th International Thyroid Cancer Survivors Association Conference in Philadelphia in order to kick off our collaboration with that organization. We hope to enroll several hundred participants into the study at that meeting.

Alexander Langerman, MD (Appointed 2011–2013)
Department of Surgery

Appointments
• Ethics Fellow, MacLean Center for Clinical Medical Ethics, University of Chicago (2013)
• Masters of Science Program for Clinical Professionals, University of Chicago (2013)
• Board Member, Medical Aid for Children of Latin America (2013)
• Fellow, American College of Surgeons (Oct 2013)
Publications


Nita Lee, MD (Appointed 2012-2014)
Department of Obstetrics and Gynecology

Research

“Endometrial Cancer Survivorship: A qualitative approach to understanding healthy lifestyle change in African American endometrial cancer survivors and their support network.”

ABSTRACT: Endometrial cancer is the most common gynecologic malignancy, affecting 43,000 women each year. Women with endometrial cancer are likely to be diagnosed early and cured of their disease. Despite a positive cancer outcome, the major risk factors for the disease, which include obesity and diabetes, persist long after the cancer diagnosis, placing these women at high risk for future morbidity and mortality. Sixty to eighty percent of women are overweight or obese at the time of diagnosis. Thus, a new diagnosis of endometrial cancer becomes a compelling reason to promote nutrition, healthy behaviors, and weight loss in individual patients and their families.

The objective of this pilot proposal is to better understand knowledge, attitudes, and behaviors regarding endometrial cancer, obesity, and feasibility of lifestyle change among African American women with endometrial cancer and their female family and social network using qualitative research methodology. A cancer diagnosis can be teachable moment in which the clinician can influence obesity-related behaviors. Themes and concerns elucidated via moderated focus groups will build the foundation and drive future patient-centered interventions supporting cancer education and healthy lifestyle change among African American women.

This research is being completed in part with a grant through the 2012 Bucksbaum Institute Pilot Grant Program.
Monica Peek, MD, MPH (Appointed 2011-2013)
Department of Medicine

Publications


Peek ME, Drum M, Cooper LA. The association of patient chronic disease burden and self-management requirements with shared decision-making in primary care visits. (In review)


Peek ME, Tang H, Sanchez R, Chin MH. Latinos and shared decision-making: are there ethnic differences in patient preferences and behaviors among diabetes patients? (In preparation)


Peek ME, Roberson TS, Starks J, Stewart B. Shared decision-making: The importance of being actively involved in your own healthcare. 2012 American Public Health Association national mtg (selected for film festival screening).

Bergeron NQ, Quinn M, Goddu AP, Roberson TS, Peek ME. The value of shared decision-making training for providers in the community health center setting. Society of General Internal Medicine 2012 midwest regional conference (selected for oral presentation).

Bergeron NQ, Quinn MT, Goddu AP, Roberson TS, Peek ME. The value of shared decision-making training for providers in the community health center setting. 5th Annual Minority Health in the Midwest Conference, 2013, University of Illinois at Chicago.
Lectures

*The Influence of Race on Patient/Provider Communication.* Invited lecture, Medical Education Seminar series, Stanford University Hospital, Palo Alto, CA. (2012)

*Patient/Provider Relationships and Health Disparities,* lecture, Summer Program in Outcomes Research Training (SPORT) seminar, University of Chicago. (2012)

*Policy and the Physician as Patient Advocate,* lecture, Pritzker Doctor-Patient Relationship series, University of Chicago. (2013)

*Shared Decision-Making,* lecture, Pritzker School of Medicine Clinical Skills course, University of Chicago. (2013)

*Interpersonal Aspects of Health Disparities,* lecture, Summer Program in Outcomes Research Training (SPORT) seminar, University of Chicago. (2013)

Dr. Peek was selected by the Society of General Internal Medicine as the 2013 Outstanding Junior Investigator of the Year for her contributions to the field of academic general internal medicine. Her research focuses on health disparities related to chronic disease management and preventive health care.

**John Schneider, MD, MPH (Appointed 2013-2015)**

**Department of Medicine**

**Appointments**

Co-Director, Chicago Center for HIV Elimination (CCHE) at the University of Chicago (2013)

**Lectures**

University of Athens, Invited Speaker, “Network Tracking, Analysis and Intervention”, Epidemiology Seminar, Athens, Greece (2013)

University of Xian, Workshop Director, “Social networks and health”, International network of Social Network Analysis, Xian, China (2013)


Rush University, Invited Speaker, “Network science for HIV prevention interventions”, Grand Rounds, Department of Preventive Medicine, Illinois (2013)


**Publications**

Schneider JA. Socio-structural two-mode network analysis: Critical connections for HIV transmission elimination. Sexually Transmitted Diseases. 2013

Hemmige V, McFadden R, Cook S, Tang H, Schneider JA. HIV prevention interventions to reduce racial disparities in the United States: A systematic review. JGIM. 2012; 27 (8), 1047-1067. PMID: 22798215

Schneider JA, Michaels S, Bouris A. Family network proportion and HIV risk among Black men who have sex with men. JAIDS. 2012, Sep 22 Epub ahead of print. PMID: 23011395

R01 MH100021-01 (NIMH) (Fujimoto, Schneider) 4/1/13-3/30/18

Young Men’s Affiliation Project (YMAP)
This two site study (Chicago and Houston) aims to determine how HIV risk and prevention venues that are of both physical and virtual typologies are related to HIV transmission among younger men. Two-mode network analysis and use of the affiliation exposure model will be applied to a longitudinal cohort of high-risk men and the spaces they occupy in both geographic settings.

Other Updates
Dr. Schneider has been working hard on a demonstration projects where he is trying to use social networks of younger HIV infected Black MSM to help keep them engaged in HIV primary care. The study has been going well and he almost done with recruitment. Dr. Schneider has also started an anal care clinic at the Federally Qualified Health Care Center. This is the first such care on the south side which serves this vulnerable population. It includes anal pap-smears, colposcopy and biopsy as needed.

Dr. Schneider was also named a founding co-director of the Chicago Center for HIV Elimination (CCHE). This new center is housed within the BSD, which has the ambitious goal of eliminating new HIV transmission events in the next 30 years. CCHE will use network science and structural approaches to target and integrate HIV prevention in Chicago’s South Side communities, a major epicenter of the domestic HIV epidemic. In addition to the BSD, faculty affiliates are positioned within the Departments of Sociology, the Social Services Administration, the Booth School of Business and the Harris School of Public Policy. CCHE’s newly renovated dry-lab space will house the 15 staff workers on projects funded by the NIH and the CDC.

John Yoon, MD (Appointed 2012-2014)
Department of Medicine

Publications


Lawrence RE, Rasinski KA, Yoon JD, Meador KG, Koenig HG, Curlin FA. Primary care physicians’ and psychiatrists’ approaches to treating mild depression. Acta Psychiatr Scand 2012
Lawrence RE, Rasinski KA, Yoon JD, Curlin FA. Physicians’ Beliefs about the Nature of Addiction: A Survey of Primary Care Physicians and Psychiatrists. The American Journal on Addictions 2013 Mar 6 [Epub ahead of print].


Research

“Operationalizing the Virtues for Good Doctor-Patient Relationships”

ABSTRACT: Delivering compassionate, patient-centered care remains a key aspirational goal of the medical profession and is central to good doctor-patient relationships. But can such professional virtue be taught and assessed? In our previous work funded by the Science of Virtues at the University of Chicago, we have surveyed a nationally representative sample of medical students clustered within schools.

With support from the Bucksbaum Institute, we conducted qualitative interviews with purposively sampled subgroups in order to test and refine the methods and measures that will be deployed in a future longitudinal study. One subgroup was those nominated into the Gold Humanism Honor Society. The other subgroup was those who were not nominated for Gold Humanism. Overall, 21 students were interviewed (10 from Gold subgroup, 11 from non-Gold subgroup). Currently, interviews are now transcribed and being coded for thematic analysis. We hypothesize that role models (clinical exemplars) play a major formative role in those nominated for the Gold Humanism Honor Society.

The project contributes to research on the doctor-patient relationship by developing physician-specific measures of these professional virtues and by generating novel insights about character development and moral enculturation among physicians-in-training.

This research was completed with a grant through the 2012 Bucksbaum Institute Pilot Grant Program.
C. Bucksbaum Institute Medical Student Scholars

Anne Lauer, MS2 (Appointed 2012-2015)
Pritzker School of Medicine

Research

“Psychiatric disorders, high-risk behaviors, and chronicity of homelessness in Chicago youth”

ABSTRACT: This study investigated the relationship between psychiatric and substance-related disorders, high-risk behaviors, and the duration and frequency of homelessness among homeless youth in Chicago. It was hypothesized that rates of these adverse effects will be positively correlated with increased duration, frequency, and early onset of homelessness.

Sixty-six homeless youth (mean age 19.3; 56.1% female; 80.3% African American, 3.0% Caucasian, 3.0% Latino), were recruited from two shelters in Chicago.

Each participant was administered a demographic questionnaire, the Wechsler Abbreviated Scale of Intelligence (WASI-I) and the Mini-International Neuropsychiatric Interview, version 6 (MINI 6.0), which assessed DSM-IV-TR and ICD-10 major diagnoses and substance use disorders. Youth also independently completed an excerpt of the CDC’s 2011 National Youth Risk Behavior Survey.

Increased frequency of homeless episodes (0.319, p<0.01), and increased duration of homeless episodes (0.279, p<0.05) were correlated with higher rates of psychiatric diagnoses. Increased number of psychiatric diagnoses was positively correlated with increased high-risk behaviors. Participants with and without MINI diagnoses of: Current Suicidality (p=0.024), Manic Episodes (p=0.023), Obsessive Compulsive Disorder (p=0.018), Substance Abuse (p=0.024), and Psychotic Disorder (p=0.034) had higher numbers of total lifetime homeless episodes. The other two time variables showed different significant diagnosis profiles.

The significant differences shown between the three time parameters suggest that stratification of the data by different time variables is needed in such research in order to characterize the homeless youth population overall, providing better context and targets for interventions.

Liese Pruitt, MS3 (Appointed 2011-2014)
Pritzker School of Medicine

Research

Ms. Pruitt is the recipient of a Doris Duke Clinical Mentorship Grant from the Doris Duke Charitable Foundation under the mentorship of Dr. Olufunmilayo Olopade, to conduct research in Ibadan, Nigeria, and Chicago, IL. Ms. Pruitt will use this year-long fellowship to continue her qualitative research on barriers to effective breast cancer care in southwest Nigeria and to develop research skills and experience in social science and medicine.

Also, Liese presented a poster on her research in Nigeria at the 13 Schools Consortium Meeting in May of 2013. A group of 10-15 students from Pritzker presented their work in a poster session to visitors from the other med schools before a welcome dinner on the first night of the conference.

Finally, along with Jasmine Taylor, MS3 and fellow Bucksbaum Student Scholar, Liese presented at the Visiting Committee meeting on November 30th, 2012 about her involvement with the Bucksbaum Institute. They also discussed their own career aspirations and how the mission of the Bucksbaum Institute was incorporated into their future directions in medicine.
**Elizabeth Rhinesmith, MS2 (Appointed 2012-2015)**

**Pritzker School of Medicine**

**Research**

“The Power of Daily Prognostication of Outcome in the Pediatric Intensive Care Unit”

**ABSTRACT:** The ability of clinicians to predict morbidity and mortality in the Pediatric Intensive Care Unit (PICU) is poorly described. The objective of this study was to determine the accuracy of such prognostication. We hypothesized that daily predictions would have limited value in distinguishing in-hospital survivors versus nonsurvivors and functional morbidity after discharge.

Data from 143 patients (ages 0-18) from The University of Chicago PICU (June 2012 – present) were analyzed. Clinicians were asked to predict survival or death for each patient. If survival was predicted, the clinician was asked to estimate the patient’s functional morbidity. For both questions, the clinician rated his or her confidence in the prediction. Predictions were correlated with patient outcomes assessed by telephone survey at one month after discharge.

Complete mortality data was available for the first 110 patients, including (104 (94.5%) survivors and 6 (5.5%) non-survivors). Prediction of death by any member of the care team was not predictive of mortality (PPV = 0.5) but improved with any agreement across the team (PPV=0.75) and over time (PPV = 0.67 >2 days). There was limited concordance between attending physician predictions during admission, parent global assessment, and a validated functional outcomes measure (the latter two assessed at 1 month after discharge).

We report the first analysis of physician prognostication regarding morbidity and mortality in the PICU and after discharge. Continued enrollment and analysis of 6-month outcomes will increase knowledge of the accuracy of clinician prognostication with the potential of improving physician-patient communication.

**Robert Sanchez, MS2 (Appointed 2012-2015)**

**Pritzker School of Medicine**

**Research**

“Shared Decision-Making Preferences and Behaviors Among Hispanic and Non-Hispanic White Patients with Diabetes”

**ABSTRACT:** Shared decision-making (SDM) is an integral part of quality health care linked to positive health outcomes. In the United States, Latinos/Hispanics are more likely to experience lower quality patient-provider communication, a trend that may contribute to racial/ethnic health disparities.

Quantitative data collected from a cross-sectional survey administered to patients from 34 community health centers serving low-income populations.

In bivariate and multivariate analyses, Hispanics were less likely to prefer a shared decision-making role than non-Hispanic whites (OR: 0.38 [0.27, 0.55]), but had no statistical differences in reported patient involvement in shared decision-making, as measured by initiating discussions about 6 areas of diabetes care measures.

This multi-ethnic study found that Hispanics differed in preference for shared decision-making compared to non-Hispanic whites, preferring a more passive role in the process. In contrast, Hispanics were just as likely to initiate discussions with their doctors about their diabetes-related care. Future studies are warranted to explore this complex relationship to gain a greater understanding of the sociocultural values that could impact these beliefs and practices.
D. Bucksbaum Institute Senior Faculty Scholar Publications

(We selected just a few of the Senior Scholars to feature)

Peter Angelos, MD, PhD (Appointed 2012)
Department of Surgery

Publications


Melissa Gilliam, MD, MPH (Appointed 2013)
Department of Obstetrics and Gynecology

Publications


Understanding African American adolescent males’ perceived responsibility for pregnancy prevention: a focus group study abstract accepted for poster presentation at SFP, October, 2013.


Development and pilot testing of a theory-based counseling intervention to improve post-abortion contraceptive uptake by young women abstract accepted for poster presentation at SFP, October, 2013.

**Lisa Vinci, MD (Appointed 2012)**

**Department of Medicine**

**Publications**


Comprehensive Care Physician Program – Center for Medicare and Medicaid Innovation- David Meltzer, M.D., PI Co-Investigator (10% effort) - Responsible for developing and implementing the outpatient component of the program
E. Bucksbaum Institute Associate Junior Faculty Scholars

Selected Research and Abstracts

Neda Laiteerapong, MD (Appointed 2012)
Department of Medicine

Member, Scientific Abstract Review Committee (Disparities/Vulnerable Populations), 2013

Publications


Amber Pincavage, MD (Appointed 2012)
Department of Medicine

Publications and Papers Presented


Research

“Engineering Patient-Oriented Clinic Handoffs (EPOCH)”

ABSTRACT: While patients are especially vulnerable as they transition to care by a new physician, patient input into the resident clinic handoff process is lacking. To create a patient-centered process, we interviewed patients shortly after their transition for suggestions.

Using this input, two months before the 2012 handoff, patients were sent a “transition packet” with a welcome letter from the new resident with their picture and personal information (i.e. hobbies), a certificate of teaching recognition, and a visit preparation tool. In 2012 (post-packet), patients were interviewed by phone on the impact of the packet. In 2011 and 2012, charts were reviewed to examine outcomes. The majority of patients post-packet (99%) were aware of the handoff. Of the 44% of patients who remembered the packet, most (70%) reported that it helped them build rapport, acknowledged their role as a teacher, and helped them prepare for their first visit. Fewer patients missed their first visit with their new physician (43% 2011 vs. 31% 2012, p<0.01) and were lost to follow-up six months after the handoff (22% 2011 vs. 12% 2012, p<0.01). A patient-centered clinic handoff was helpful to patients and may have encouraged patients to return for care after the handoff.

This research was completed in part with a grant through the 2012 Bucksbaum Institute Pilot Grant Program.