

**28th Annual Obstetrics, Gynecology &
Women's Health**

Resident and Fellow Research Day



University of Hawaii

John A. Burns School of Medicine

Department of Obstetrics, Gynecology

& Women's Health

Kōlea kau āhua, a uliuli ka umauma ho'i i Kahiki.

***Plover that perches on the
mound, waits till its breast
darkens, then departs for Kahiki***

***The deepening of one's knowledge is like the
fattening of a plover's breast. These birds fly to
our islands from Alaska each fall, arriving thin
and famished, but leave in spring plump and
satisfied. Similarly, when a person comes to this
place, they may acquire wealth of knowledge and
experience, growing and flourishing during their
stay. And as they depart, they carry this newfound
wisdom with them, equipped to explore new
horizons and thrive in new environments.***

Pukui, M.K. & Varez, D. (1983).

‘Ōlelo No‘eau: Hawaiian proverbs & poetical sayings.

Honolulu, Hawai‘i: Bishop Museum Press.



The University of Hawai'i Department of Obstetrics,
Gynecology & Women's Health would like to extend
deepest thanks to all who made this 2023 Research
Day possible.

Research Day Committee:

Resident Research Director:
Shandhini Raidoo, MD, MPH

Mark Hiraoka, MD, MS
Bliss Kaneshiro, MD, MPH
Men-Jean Lee, MD
Reni Soon, MD, MPH
Dena Towner, MD
Steven Ward, PhD
Mattias Atterbom
Darlene Hubbard
Krysten Kawamata
Lisa Kellett
Robert Landgraf

And all the mentors, assistants, and everyone else, who
made these projects possible



May 11, 2023

Welina mai!

Welcome to the 28th Annual University of Hawai'i John A. Burns School of Medicine Department of Obstetrics, Gynecology, and Women's Health Research Day Symposium. We are thrilled to be able to hold this event in person, marking a significant milestone after a period of remote gatherings. We are grateful for the support of all participants who have taken time out of their busy schedules to attend this year's event.

We appreciate the dedication and enthusiasm of our ever-growing 'ohana, who continue to come together to discover, learn, and inspire each other in our common goal of advancing women's health in Hawai'i and beyond. Despite the challenges brought by change, we are thankful for your unwavering commitment to advancing focused and well-designed research.

We extend our heartfelt gratitude to the entire Research Day Symposium Planning committee and to all of our research mentors, without whom this day would not have been possible. Your contributions are instrumental in shaping the direction of our research, and we value your guidance and support.

We hope that this year's research symposium will be informative and inspiring, and that you will take the opportunity to share your thoughts and suggestions for next year's program. Thank you again for being a part of this memorable occasion.



Ivica Zalud, MD, PhD
Professor and Chair
Kosasa Endowed Chair
Department of Obstetrics, Gynecology &
Women's Health
John A. Burns School of Medicine
University of Hawaii



Shandhini Raidoo, MD, MPH
Assistant Professor
Director of Resident Research
Department of Obstetrics, Gynecology &
Women's Health
John A. Burns School of Medicine
University of Hawaii

Dedication



The 28th Annual University of Hawai'i John A. Burns School of Medicine Department of Obstetrics, Gynecology, and Women's Health Research Day Symposium is dedicated to the remarkable Dr. Bruce Kessel, MD, who has dedicated his professional career to advancing women's healthcare and resident education in Hawai'i. Dr. Kessel joined the OB/GYN department in 1998 and has been based at Queens Medical Center ever since. In his role as a board-certified OB/GYN, he has provided exceptional consultations to patients in his Reproductive Endocrinology and Infertility practice, and has also served as an attending physician in the Queen Emma Clinic's Women's Health Clinic. His commitment to providing high-

quality patient care has been underscored by his firm belief that adequate time spent with patients leads to superior consultations.

Dr. Kessel has been widely recognized for his outstanding teaching abilities, receiving a total of 8 teaching awards, including six from the UH Department of OB/GYN and UH OB/GYN Chief Residents. His passion for teaching and learning from residents during his tenure in the department has made a significant impact on the quality of medical education in Hawai'i. Dr. Kessel's academic career has also been modestly successful, with 67 abstracts presented and 40 peer-reviewed publications, including in the American Journal of Obstetrics and Gynecology, Obstetrics and Gynecology, and JAMA. Despite his many accolades, Dr. Kessel remains extraordinarily humble and truly cares for the people around him. It is with deep gratitude and admiration that the 28th Annual Research Day Symposium honors Dr. Bruce Kessel for his contributions to the advancement of women's healthcare and resident education in Hawai'i.

2023 Judging Panel

Guest Speaker & Judge

James H. Liu, MD

Chair and Professor (former), Department of Reproductive Biology

Case Western Reserve University School of Medicine



Dr. James H. Liu is the recently retired Chair of the Department of Reproductive Biology at Case Western Reserve University and the Department of Obstetrics and Gynecology at University Hospitals MacDonal Women's Hospital. He also recently retired as the Arthur H. Bill Professor of Obstetrics and Gynecology and Obstetrician Gynecologist in Chief of UH Hospitals Health System. Prior to his present position, he was on the faculty at the University of California in San Diego (1983-88) as a board-certified reproductive endocrinologist. Between 1988-2001, he served as Director of the Division of Reproductive Endocrinology and Infertility at the University of Cincinnati. Dr. Liu was the Principal Investigator of the Women's Health Initiative site at the

University of Cincinnati and currently is the Principal Investigator of the NICHD Contraceptive Trial Network at Case. He served on the advisory committee for Study of Women Across the Nation (SWAN). Dr. Liu also holds five patents on vaginal drug delivery. He is a former member of the FDA Advisory Committee on Reproductive Drugs and American Congress of Obstetrics Gynecology's Committee on Gynecologic Practice, serving as Vice-Chair from 2004 to 2006 and as Chair of ACOG's Gynecologic Practice Bulletins Committee from 2005 to 2007. He has also served on the American Society for Reproductive Medicine's Practice Committee for 6 years. Dr. Liu chaired the National Institutes of Health-NCRR Study Section from 2004 to 2005 and was President of the North American Menopause Society 2019. He has served on the editorial boards of Obstetrics and Gynecology and Fertility and Sterility. He has authored more than 130 publications.

Judge

Andras Bratincsak, MD, PhD

Associate Professor, Department of Pediatrics

John A. Burns School of Medicine, University of Hawaii at Manoa



Andras Bratincsak is a pediatric and adult congenital cardiologist at Kapi'olani Medical Center and Straub Hospital in Honolulu and a clinical assistant professor at the University of Hawai'i. He is a native of Hungary, completed his medical school in Hungary followed by a PhD in neuroscience at the National Institutes of Health. After the pediatric residency at the University of Hawai'i he finished a pediatric cardiology fellowship program at the University of California in San Diego with subspecialty training in interventional cardiology, electrophysiology and adult congenital cardiology. He is board certified in pediatrics, pediatric cardiology and adult congenital heart disease. He has a special interest in heart rhythm problems and interventional cardiology. When not in the hospital, he tries everything crazy and unsafe including rock climbing, kite surfing, riding the motorcycle, jumping on the trampoline, sky diving, paragliding and the most dangerous of all: heated discussions with his Italian wife. After a weekend filled with excitement, he is back to his safe attitude and dedication for the keiki in Hawaii.

Judge

Lisa Vallin, PhD, MA

Lecturer, Department of Women, Gender, and Sexuality Studies

University of Hawaii at Manoa



Lisa M. Vallin, PhD, MA works as a lecturer in the Women, Gender, and Sexuality Studies Department at the University of Hawai'i at Mānoa where she teaches various courses in sexuality studies. She is also active in the community, consulting, and teaching sex education in K–12 settings. Her research focuses on pedagogical practices that foster inclusive and affirming teaching and learning as they apply to the sex education classroom. She is passionate about education that promote and improve the health and wellness of our diverse sexual lives.

University of Hawai‘i
Department of Obstetrics, Gynecology & Women’s Health
Research Day Schedule

Thursday, May 11, 2023
Ala Moana Hotel

8:00 – 8:45 am

Welcome

Housekeeping
Honoring of Dedicattee

Shandhini Raidoo, MD, MPH
Director of Resident Research
Department of Obstetrics,
Gynecology, and Women’s
Health

Remarks

Ivica Zalud, MD, PhD
Chair
Department of Obstetrics,
Gynecology, and Women’s
Health

Words of Wisdom

Lee Buenconsejo-Lum, MD
Interim Dean
John A. Burns School of
Medicine

Introduction of Judges
Explanation of Presentation Format

Shandhini Raidoo, MD, MPH

8:45 – 10:45 am

Third Year Resident Presentations

Introduction by research mentor (5 minutes)
Presentation by third year resident (10 minutes)
Q&A (5 minutes)

*Introduction by Resident Research Mentor **Corrie Miller, DO, MS***

“The effect of food environment on the progression of GDMA1 to GDMA2”

*Presentation by Principal Investigator **Yixin Chen, MD***
PGY 3 Resident

*Introduction by Resident Research Mentor **Corrie Miller, DO, MS***

*“Exploring the association between maternal caffeine consumption during pregnancy
and the maternal/neonatal gut microbiome”*

*Presentation by Principal Investigator **Olivia Manayan, MD, MPH***
PGY 3 Resident

*Introduction by Resident Research Mentor **Reni Soon, MD, MPH***
“Exploring factors that impact health and wellness among Native Hawaiian and Pacific Islander young women in Hawaii using PhotoVoice”
Presentation by Principal Investigator **Megan Stevenson, MD**
PGY 3 Resident

*Introduction by Resident Research Mentor **Keith Terada, MD***
“Immunohistochemical expression of p53 and p16 in endometrial serous carcinoma: Frequencies, clinical correlates and the role of p16 in diagnostically challenging cases”
Presentation by Principal Investigator **Kaitlynn Ebisutani, MD**
PGY 3 Resident

*Introduction by Resident Research Mentor **Ann Chang, MD, MPH***
“Adherence to 2019 ASCCP Cervical Cancer Screening Guidelines”
Presentation by Principal Investigator **Asia Ayabe, MD**
PGY 3 Resident

*Introduction by Resident Research Mentor **Michele Pangilinan, MD***
“Impact of telehealth on visit attendance for women with opioid use disorder”
Presentation by Principal Investigator **Nancy Yang, MD**
PGY 3 Resident

10:45-11:35 am

Fellow Research Presentations

Introduction by fellowship director (5 minutes)
Presentation by fellow (15 minutes)
Q&A (5 minutes)

Introduction by CFP Fellowship Program Director **Reni Soon, MD, MPH**
“Self-performed blood typing: a promising adjunct for no-test and self-managed abortion”
Presentation by Principal Investigator **Divya Dethier, MD, MPH**
Second Year Complex Family Planning Fellow

Introduction by MFM Fellowship Program Director **Men-Jean Lee, MD**
“Social Determinants of Health, Perceived Stress, and Interleukin-6 levels in the first trimester: A single center prospective study of 373 patients in Hawaii”
Presentation by Principal Investigator **Kevin Saiki, MD**
Third Year Maternal-Fetal Medicine Fellow

11:35 am – 12:30 pm **Lunch**

12:30 – 1:00 pm **Thank You and Presentation of Awards** **Shandhini Raidoo, MD, MPH**



Yixin Chen, MD

Medical School: Pennsylvania State University College of Medicine, Hershey, PA

Medical School Honors/Awards:

- Community Relations Start-Up research grant (2019)
- Global Health Center Scholarship, Penn State College of Medicine (2019)
- Association of Family and Friends research grant (2018)
- Jeffries Family International Health Scholarship, Penn State College of Medicine (2017)
- Pennsylvania Commonwealth Scholarship, Penn State College of Medicine (2017)
- Penn State Departments of Public Health Sciences and Community Relations research grant (2017)

Undergraduate Education: University of Maryland, College Park, MD, B.S., Nutritional Science and Biological Sciences

Research Experience:

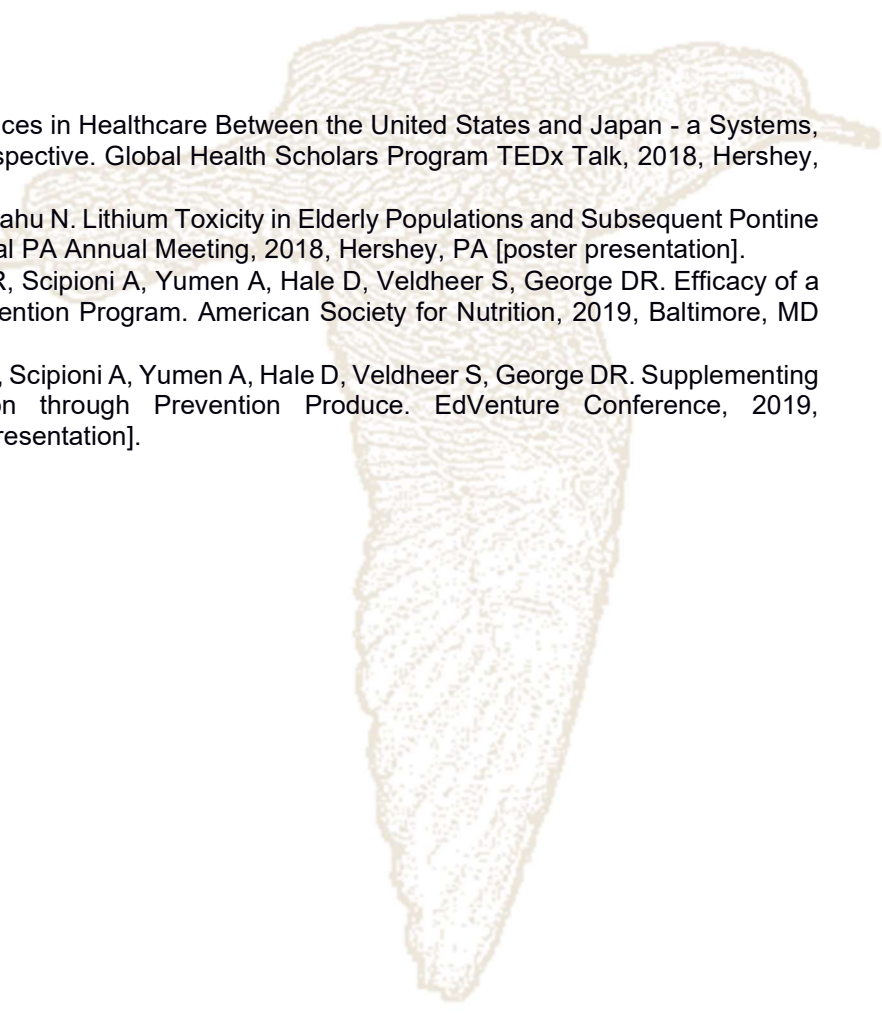
- Co-Investigator, Penn State Department of Family Medicine, Hershey, PA. Project: Gardening as an intervention to improve health. A feasibility study investigating effects of gardening and nutrition education on patients with or at risk for cardiovascular disease.
- Student Researcher, Penn State Mindfulness Research Group, Hershey, PA. Project: Mindfulness-Based Stress Reduction in Women with Overweight or Obesity. Member of multi-disciplinary research group overseeing mindfulness research projects conducted at Penn State Medical Center.
- Co-Investigator, Medical Student Research (MSR) Project, Hershey, PA. Project: Prevention Produce for Women Newly Diagnosed with Gestational Diabetes (GDM). Clinical trial pilot study investigating effects of Prevention Produce program on women with GDM.
- Co-Investigator, Penn State COM Department of Humanities, Hershey, PA. Project: Prevention Produce for Hypertension and Diabetes. Investigated impact of Prevention Produce program on patients with hypertension and diabetes, provided participants with home blood pressure cuffs.
- Lab Student, UMD Dept of Animal and Avian Sciences, College Park, MD. Basic science laboratory, focus on lipid metabolism and transport and how their mechanisms contribute to pathogenesis of diseases such as obesity, diabetes, nonalcoholic fatty liver disease, and cardiovascular disease.

Publications:

- Noverati N, **Chen Y**, Artrip R, Scipioni A, Yumen A, Hale D, Veldheer S, George DR. Prevention Produce: A Student-Led Nutrition Education Community Intervention. *Current Developments in Nutrition* 2019 Jun, 3(1):04-022-19.
- Zhong C, Sun W, Ma Y, Zhu H, Yang P, Zeng B, Zhang Q, Li W, **Chen Y**, Yu L, Song Z. Microbiota prevents cholesterol loss from the body by regulating host gene expression in mice. *Scientific Reports* 2015 May, 5(1): 10512.

Presentations:

- Brawley A, **Chen Y**, Cummings M, Gottshall L, Ikpoh B, Ruiz O, Shah A. OB/GYN Clerkship Site Comparison. Science of Healthcare Systems Quality Improvement Symposium, 2019, Hershey, PA [oral presentation].
- **Chen Y**, Fleming J, Jeon T, Law C, Naro G, Renko A, Thomas R. The Breakdown of Communications in Our Healthcare System. Annual Healthcare Systems Research Symposium, 2017, Hershey, PA [poster presentation].

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- **Chen Y**, Littleton K. Differences in Healthcare Between the United States and Japan - a Systems, Physician, and Student Perspective. Global Health Scholars Program TEDx Talk, 2018, Hershey, PA [oral presentation].
 - Cooper F, **Chen Y**, Jain R, Sahu N. Lithium Toxicity in Elderly Populations and Subsequent Pontine Demyelination. South Central PA Annual Meeting, 2018, Hershey, PA [poster presentation].
 - Noverati N, **Chen Y**, Artrip R, Scipioni A, Yumen A, Hale D, Veldheer S, George DR. Efficacy of a Student-Led Nutrition Intervention Program. American Society for Nutrition, 2019, Baltimore, MD [poster presentation].
 - Noverati N, **Chen Y**, Artrip R, Scipioni A, Yumen A, Hale D, Veldheer S, George DR. Supplementing Medical Student Education through Prevention Produce. EdVenture Conference, 2019, Elizabethtown, PA [poster presentation].

Title: The effect of food environment on the progression of GDMA1 to GDMA2

Authors: Yixin Chen, MD, Chloe P Lozano, PhD, Roxanne Erolin, MPH, Corrie Miller, DO, MS

Objective: This study aims to investigate the effect of the food environment on progression of GDMA1 to GDMA2, and to assess differences in pregnancy and birth outcomes between these two groups.

Design: Prospective cohort study

Methods: We recruited participants aged 18 years or older with singleton pregnancies and newly diagnosed with gestational diabetes through a high-risk obstetrics clinic in Honolulu starting July 2022. At baseline, participants completed the Six-Item Short Form of the U.S. Household Food Security Survey Module to assess food insecurity, the Multiethnic Food frequency Questionnaire (MEC-FFQ) to assess diet quality (HEI-2015 scores) and physical activity level (PAL) in the previous year, and a demographics survey. HEI-2015 scores range from 0 to 100, with 100 reflecting the highest diet quality. Participants were followed through their pregnancy to track progression to GDMA2, and any other adverse pregnancy or birth outcomes. Associations were assessed using independent samples t-tests for continuous risk factors and chi-squared tests for categorical risk factors.

Results: 30 of the 92 patients who were recruited thus far have completed the study and were included in this preliminary analysis. Forty-seven percent (14/30) of participants developed GDMA2 by the end of their pregnancy. Participants who developed GDMA2 did not differ significantly in age or race/ethnicity from the group that did not develop GDMA2 (remained GDMA1). The GDMA2 group had higher pre-pregnancy weight than the GDMA1 group (199.8lb vs. 166.3lb, $p=0.05$), and higher pregnancy weight gain (22.9lb vs. 14.4lb, $p=0.030$). The GDMA2 group answered “often true” or “sometimes true” to the statement “I/we couldn’t afford to eat a balanced meal” more often compared to the GDMA1 group ($p=0.017$). The GDMA2 cohort answered “yes” more frequently compared to GDMA1 group when asked “did you or other adults in your household ever cut the size of your meals or skip meals because there wasn’t enough money for food?” ($p=0.044$). Total HEI-2015 score (out of 100) averaged 55.9 in the GDMA2 group and 60.1 in the GDMA1 group ($p=0.09$). There were no differences in neonatal birth weights between the GDMA2 and GDMA1 groups (3303g vs. 3188g). A higher percentage of the GDMA2 group (85.7%, 12/14) delivered via cesarean section compared to the GDMA1 group (40.0%, 6/15) ($p=0.021$).

Conclusion: Food insecurity was significantly associated with GDMA2. Diet quality was not significantly associated with progression to GDMA2. These preliminary results indicate that the food environment may have an impact on GDMA2 progression. Upon meeting our enrollment target for this study, we will further analyze the findings to control for confounders and strengthen these results.

Support: This project was funded by the Sharma Foundation

Acknowledgements: Mel Teruya, BS, Lauren-Kirkwood-Johnson, MS, and the UH Cancer Center Shared Nutrition Support Resource



Olivia Manayan, MD, MPH

Medical School: University of Queensland School of Medicine, Herston QLD, Australia

Medical School Honors/Awards:

- Gold Humanism Honor Society, Arnold P. Gold Foundation (2019)
- Obstetrics and Gynecology Award of Excellence, University of Queensland/Ochsner Clinical School (2019)
- Dean's Commendation for Academic Excellence, University of Queensland (2018-2019)
- Gold Key Award for Excellence in Pediatrics, Ochsner Department of Pediatrics (2018)

Graduate Education: King's College London, London, United Kingdom, M.P.H., Public Health

Undergraduate Education: University of Southern California, Los Angeles, CA, B.A., Neuroscience

Research Experience:

- Research Associate, Queen's Medical Center, Honolulu, HI. Project: Defining the Characteristics and Outcomes of Patients Accessing Medication Abortion at less than 6 Weeks Gestation: A Retrospective Chart Review. Perform chart review on patients seeking medication abortion at less than six weeks gestational age in order to better understand the population seeking medication abortion in Hawaii, as well as whether the screening questions currently used for medication abortion are applicable to this population.
- Principal Investigator, Queen's Medical Center, Honolulu, HI. Project: Exploring The Effects of an Intravaginal Gel on the Vaginal Microbiome. Designed and ran a pilot study to assess the effects of the intravaginal contraceptive, Phexxi, on the vaginal microbiome, with the ultimate aim to test its feasibility as a prophylactic agent to prevent recurrent yeast and BV infections.
- Research Assistant, Ochsner Health System, New Orleans, LA. Retrospective chart review project investigating fetal outcomes for deliveries following myomectomy.
- Research Assistant, Ochsner Health System, New Orleans, LA. Randomized control trial titled Comparison of Two Mechanical Methods of Outpatient Ripening of the Cervix (CORC), designed to assess patient willingness and satisfaction with the process of outpatient cervical ripening.
- Research Assistant, Ochsner Health System, New Orleans, LA. Retrospective chart review study that assessed physician knowledge of and adherence to a newly enforced blood transfusion protocol during gynecological surgery.

Publications:

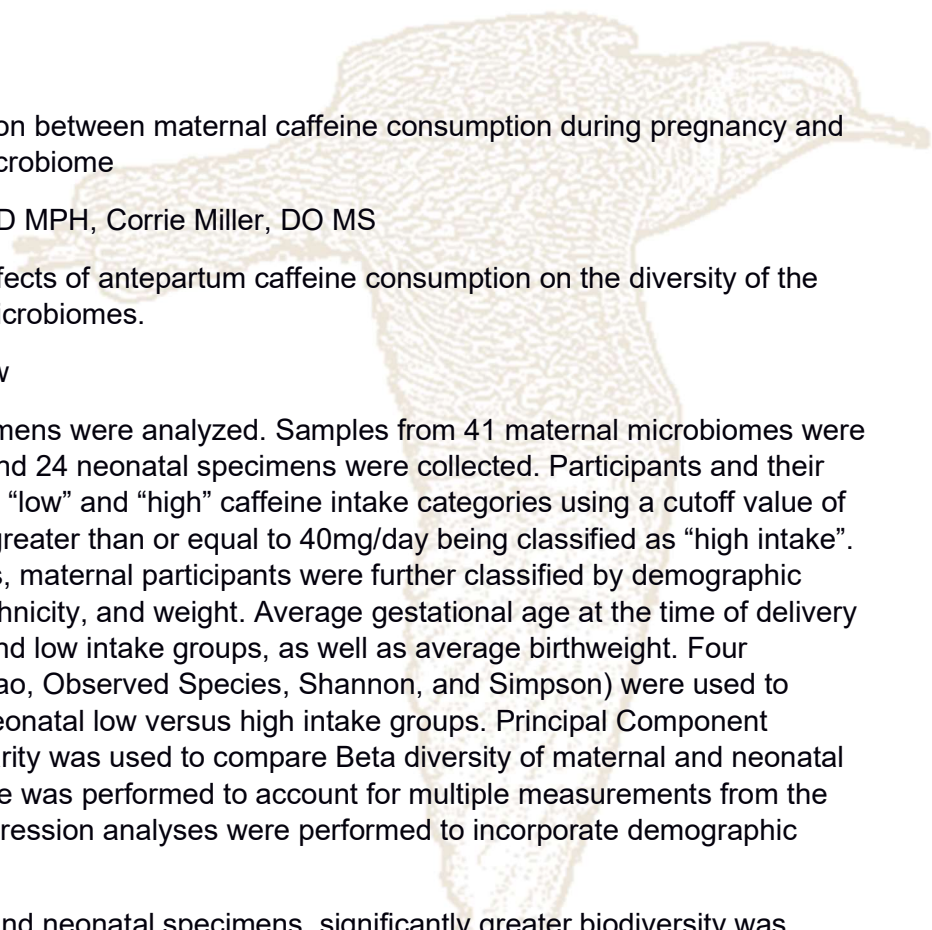
- Horwitz A, **Manayan O**, Carstarphen KJ. The impact of multi-disciplinary primary care within the MedVantage Clinic on hospice enrollment at death in high-risk geriatric patients. Abstracts of the American Academy of Home Care Medicine Annual Meeting, October 2019, Chicago, IL.
- Laborde Y, **Manayan O**. Community outreach panel explores and addresses higher rates of COVID-19-related deaths in the African American population. *Ochsner J.* 2020;20(2):115-6.
- Shirriff A, Abella M, Pawar D, **Manayan O**, Collins R. Racial disparities in total abdominal hysterectomy postoperative outcomes: analysis including American Indian or Alaska Natives and Native Hawaiian or Pacific Islanders. Abstracts of the 2023 American College of Obstetricians and Gynecologists (ACOG) Annual Clinical and Scientific Meeting, May 2023, Baltimore, MD (pending publication).
- Vaughan KA, Gillespie V, **Manayan O**. Transfusion in gynecologic surgery: Knowledge of and adherence to published guidelines comparing academic to community-based practice. *Obstetrics and Gynecology* 2019 May, 133(5): 89S.

- Wills TA, Simons JS, **Manayan O**, Robinson MK. Emotion regulation and substance use disorders in adolescents. *Emotion Regulation and Psychopathology in Children*, edited by Essau CA, Leblanc S, Ollendick TH. Oxford Press, 2017, pp. 210-234.

Presentations:

- Bhattacharyya E, **Manayan O**. First reported single-site laparoscopic radio frequency ablation of uterine fibroids. SLS MIS 2021, 2021 Oct, Virtual Meeting [film presentation].
- Carstarphen KJ, **Manayan O**. Innovations in primary care delivery. Neutral Ground: Telehealth Interest Group podcast, 2019, New Orleans, LA [oral presentation].
- Carstarphen KJ, Hill S, **Manayan O**, Horwitz A, Chow J, Ahmed I, Greer S, Sherman T. MedVantage Clinic, Research in Progress. Ochsner Research in Project Meeting, 2019, New Orleans, LA [oral presentation].
- Horwitz A, **Manayan O**, Carstarphen KJ. The impact of multi-disciplinary primary care within the MedVantage Clinic on hospice enrollment at death in high-risk geriatric patients. The American Academy of Home Care Medicine Annual Meeting, 2019, Chicago, IL [poster presentation].
- **Manayan O**. Cured of HIV/AIDS: The story of Timothy Brown. FameLab: Science Museum, 2014, London, GBR [oral presentation].
- **Manayan O**. Tackling social determinants of health: transforming primary care delivery. TEDx Ochsner, 2019, New Orleans, LA [poster presentation].
- **Manayan O**, Masterson C, Poulton H, Ye A, Maslav A, Giddens N, Jin S, Blackie A, Van den Heever J, Chung J. Type II diabetes mellitus in indigenous Australians. University of Queensland Indigenous Health Symposium, 2016, Brisbane, AUS [oral presentation].
- Vaughn KA, Gillespie V, **Manayan O**. Transfusion in gynecologic surgery: Knowledge of and adherence to published guidelines comparing academic to community-based practice. ACOG Annual Clinical and Scientific Meeting, 2019, Nashville, TN [poster presentation].
- Vaughn KA, Gillespie V, **Manayan O**. Transfusion in gynecologic surgery: Knowledge of and adherence to published guidelines comparing academic to community-based practice. Ochsner Research Day, 2019, New Orleans, LA [poster presentation].
- Wills TA, Knight RA, Robinson MK, **Manayan O**, Cortez Z, Fisher R. Correlates of high body mass index in a sample of younger adolescents in Hawaii. Biomedical Sciences and Health Disparities Symposium, 2015, Honolulu, HI [poster presentation].





Title: Exploring the association between maternal caffeine consumption during pregnancy and the maternal/neonatal gut microbiome

Authors: Olivia Manayan, MD MPH, Corrie Miller, DO MS

Objective: Investigate the effects of antepartum caffeine consumption on the diversity of the maternal and neonatal gut microbiomes.

Design: Retrospective review

Methods: In total, 120 specimens were analyzed. Samples from 41 maternal microbiomes were collected in each trimester, and 24 neonatal specimens were collected. Participants and their offspring were separated into “low” and “high” caffeine intake categories using a cutoff value of 40mg/day, with an intake of greater than or equal to 40mg/day being classified as “high intake”. In low and high intake groups, maternal participants were further classified by demographic data, including age, parity, ethnicity, and weight. Average gestational age at the time of delivery was calculated for the high and low intake groups, as well as average birthweight. Four measures of biodiversity (Chao, Observed Species, Shannon, and Simpson) were used to compare the maternal and neonatal low versus high intake groups. Principal Component Analysis of Bray-Curtis similarity was used to compare Beta diversity of maternal and neonatal samples. Analysis of Variance was performed to account for multiple measurements from the same participants. Linear regression analyses were performed to incorporate demographic data.

Results: For both maternal and neonatal specimens, significantly greater biodiversity was observed in the high caffeine intake group in three of the four measures (Observed Species: $p=0.04$; Shannon: $p = 0.016$; Simpson $p = 0.005$). White patients were found to have the highest rates of caffeine consumption in pregnancy. Of the three trimesters, caffeine was found to have the greatest association with maternal biodiversity during the third trimester. With linear regression analysis, increasing caffeine consumption was found to have a stronger association with microbiome than parity and ethnicity, but a weaker association than trimester of pregnancy. A beta diversity analysis between the neonatal microbiome and the maternal microbiome showed similarity clustering among high and low intake groups.

Conclusions: Consumption of caffeine in pregnancy is associated with increased biodiversity in the maternal and neonatal gut microbiome. Increased gut biodiversity has been shown to have positive immunological, neurological, and metabolic effects. However, as all research that has been done on caffeine in pregnancy thus far utilizes only observational data, further research should be done to investigate if there is a causative relationship between caffeine consumption and gut microbiome diversity; these studies should also utilize a larger study population. Additionally, these studies should be carried further to assess the potential effects of microbiome-altering events, such as mode of delivery and neonatal/early childhood diet. As caffeine consumption is somewhat stigmatized during pregnancy due to its association with stillbirth and miscarriage, it would be helpful to see if there are indeed positive aspects of caffeine consumption in pregnancy.

Support: This study was funded by OLA Hawaii and the Sharma Foundation

Acknowledgements: n/a



Megan Stevenson, MD

Medical School: University of Hawaii John A. Burns School of Medicine, Honolulu, HI

Medical School Honors/Awards:

- Society for Maternal-Fetal Medicine Resident Scholar (2022-Present)
- Merck Award for Academic Excellence (May 2020)
- E. E. Black Community Service Award (May 2020)
- Dean's Certificate of Distinction in Medical Education (2016-2020)
- Dean's Certificate of Distinction in Social Justice (2016-2020)
- Colin C. McCorrison, M.D. and Helen D. McCorrison Endowed Scholarship (2019-2020)
- School of Medicine Merit Achievement Service Scholarship (2017-2018)
- Dean's Certificate of Distinction in Social Justice (2016-2020)

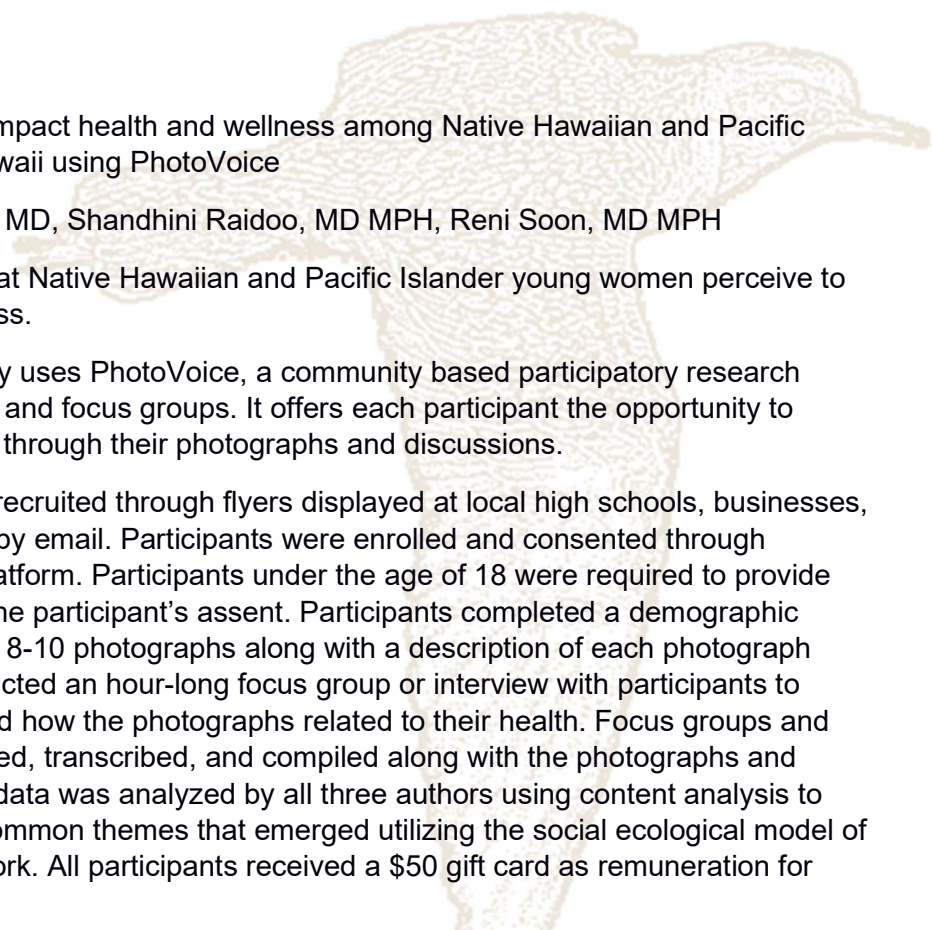
Undergraduate Education: Washington University in St. Louis, St. Louis, MO, B.S., Biomedical Engineering and Anthropology (second major)

Research Experience:

- Research Assistant, University of Hawaii Department of OBGYN, Honolulu, HI. Project Title: Neonatal Hypoxic Ischemic Encephalopathy and Planned Home Birth. Goal: To determine whether neonates 35 weeks and above diagnosed with hypoxic ischemic encephalopathy (HIE) have a higher likelihood of having been a planned home birth compared to normal neonates 35 weeks and above.
- Research Assistant, University of Hawaii Department of OBGYN, Honolulu, HI. Project Title: College Students' Experiences of School-Based Sex Education in Hawaii. Goal: To evaluate the timing, content, methodology, and student's perceptions of sexual education provided in Hawaii middle and high schools through focus groups with college students.
- Resident Research Assistant, University of Hawaii Department of OBGYN, Honolulu, HI. Project title: Social Determinants of Health, Perceived Stress, and Pregnancy Outcomes in Hawaii.
- Resident Research Assistant, University of Hawaii Department of OBGYN, Honolulu, HI. Project title: Viral Analysis of Hawaiian Immunogenicity in Neonates and Expectant Mothers against COVID-19.
- Resident Research Assistant, University of Hawaii Department of OBGYN, Honolulu, HI. Project title: Investigating Neonatal Decisions for Extremely Early Deliveries (INDEED) Multicenter Collaborative.

Presentations:

- Saiki K, Riel J, Benny P, **Stevenson M**, Gragas A, Yamasato K, Lee MJ. Social Determinants of Health, Perceived Stress, and Pregnancy Outcomes in Hawaii: A Prospective Study of 155 Patients. Society for Reproductive Investigation's 70th Annual Scientific Meeting, 2023 Mar 23, Brisbane, Queensland, Australia [oral presentation].
- **Stevenson M**, Bacon J, Shahan S. Steth-Oximeter: Consolidating the Stethoscope and Pulse Oximeter. Washington University in St. Louis Biomedical Engineering Senior Design Poster Competition, 2015, St. Louis, MO [poster presentation].
- **Stevenson M**. Chernobyl and Radioiodine: Thyroid Cancer Rates after Iodine-131 Exposure. Washington University in St. Louis 1st and 3rd World Poster Symposium, 2016, St. Louis, MO [poster presentation].



Title: Exploring factors that impact health and wellness among Native Hawaiian and Pacific Islander young women in Hawaii using PhotoVoice

Authors: Megan Stevenson, MD, Shandhini Raidoo, MD MPH, Reni Soon, MD MPH

Objective: Identify factors that Native Hawaiian and Pacific Islander young women perceive to affect their health and wellness.

Design: This qualitative study uses PhotoVoice, a community based participatory research method utilizing photographs and focus groups. It offers each participant the opportunity to share their lived experiences through their photographs and discussions.

Methods: Participants were recruited through flyers displayed at local high schools, businesses, clinics, on social media, and by email. Participants were enrolled and consented through Typeform, a secure online platform. Participants under the age of 18 were required to provide parental consent as well as the participant's assent. Participants completed a demographic questionnaire, and submitted 8-10 photographs along with a description of each photograph through Typeform. We conducted an hour-long focus group or interview with participants to discuss their photographs and how the photographs related to their health. Focus groups and interviews were audio recorded, transcribed, and compiled along with the photographs and descriptions. This combined data was analyzed by all three authors using content analysis to code, identify, and explore common themes that emerged utilizing the social ecological model of health behavior as a framework. All participants received a \$50 gift card as remuneration for their time.

Results: Four participants completed the study. They ranged in age from 15-17 years and identified as part Native Hawaiian. Participants submitted 36 photographs with 36 captions. Three focus groups or interviews were conducted. Four major themes related to health and wellness emerged that aligned with the Social Ecological Model of health behavior. 1: Food choices are often driven by convenience, access, and exposure, which are mostly outside their control; 2: Mental health is a key aspect of their overall health and is impacted by school and societal pressures; 3: Developing coping strategies and utilizing support systems is critical to manage stress and care for mental health; and 4: Mental, physical, and emotional health are all interconnected

Conclusion: Participants identified multiple factors that impact both their physical and mental health and identified the interconnected relationship between all aspects of their health. Mental health emerged as a major component of their overall health. Recruitment for the study is ongoing and additional participant perspectives could broaden our understanding. Interventions to improve health and wellness and address health disparities in this population may need to take into consideration mental health.

Support: Sharma Endowment

Acknowledgements: Hawaii Pacific Basin Area Health Education Center, Dr. Bliss Kaneshiro, HPH clinics, and obstetrics and gynecology residents for assistance with recruitment



Kaitlynn Ebisutani, MD

Medical School: University of Hawaii John A. Burns School of Medicine, Honolulu, HI

Undergraduate Education: University of Washington, Seattle, WA, B.S., General Biology and Global Health (minor)

Research Experience:

- Third/Fourth-Year Medical Student, UH John A. Burns School of Medicine, Honolulu, HI. Project: Utility of Routine Collection of Chlamydia and Gonorrhea in Antepartum Patients.
- Undergraduate Student Research Assistant, University of Washington Radiation Oncology Dept, Seattle WA. Served as a research assistant in retrospective research project at the University of Washington Medical Center, Department of Radiation Oncology: "Impact of HIV Status and Protease Inhibitor Use on Blood Counts During Concurrent Chemoradiation."

Presentations:

- Amin RM, **Ebisutani KM**, Patel SA, Zeng J. Impact of HIV Status and Protease Inhibitor Use on Blood Counts During Concurrent Chemoradiation. 56th Annual Meeting of the American Society for Radiation Oncology, 2014, San Francisco, CA [poster presentation].



Title: Immunohistochemical expression of p53 and p16 in endometrial serous carcinoma: Frequencies, clinical correlates and the role of p16 in diagnostically challenging cases.

Authors: Kaitlynn Ebisutani, MD; Koah Vierkoetter, MD; Keith Terada, MD

Objective: Catalogue the frequency and patterns of p53 and p16 immunohistochemical expression in endometrial serous carcinoma. We also aimed to identify associations between p53 and p16 staining with clinical and treatment outcomes.

Design: Retrospective chart and slide review of endometrial serous carcinomas diagnosed on biopsy specimens.

Methods: All endometrial biopsy specimens showing carcinoma from 2011 to 2021 at the Queens Medical Center were identified via the pathology database. Exclusion criteria included non-serous histotype or lack of immunohistochemical analysis at primary diagnosis. Clinicopathologic data was collected, including age, BMI, ethnicity, stage, treatment, and recurrence. The H&E slides were reviewed for confirmation of diagnosis and immunohistochemical studies appraised to determine patterns of expression.

Results: A total of 322 cases were identified. After applying exclusion criteria, 55 cases of serous carcinoma were assessed. All cases demonstrated aberrant p53 staining, indicative of a TP53 mutation. The most common abnormal p53 staining pattern was overexpression (n=47, 85.45%), followed by null (n=7, 12.73%), and cytoplasmic (n=1, 1.82%). The majority of cases (n=52, 94.55%) demonstrated abnormal block positive p16 staining. All cases with null or cytoplasmic p53 staining (n=8) demonstrated abnormal p16 staining.

Conclusions: Our data support the results of prior analyses defining serous carcinoma as harboring a TP53 mutation, for which the immunohistochemical correlate is abnormal p53 expression. To date, there is limited characterization of the frequency of subtypes of abnormal patterns of p53 expression (overexpression, null and cytoplasmic) in endometrial serous carcinoma; however, our data mirror those found in high grade serous carcinoma of tubo-ovarian origin. In addition, the current study is the first to assess the role of p16 staining as an adjunct to p53 in diagnostically challenging cases (i.e., variant p53 staining (null and cytoplasmic patterns), small samples, morphologic variants) of endometrial serous carcinomas. The results support the routine use of p16 in addition to p53 as a diagnostic aid. Analysis is ongoing to evaluate possible associations between p53 and p16 patterns of expression and clinical outcomes.

Support: None

Acknowledgements: Queens Medical Center Pathology Department; Allison Yoshida, MS (Hawai'i Pathologists Laboratory)



Asia Ayabe, MD

Medical School: University of Hawaii John A. Burns School of Medicine, Honolulu, HI

Medical School Honors/Awards:

- Wo JABSOM Achievement Scholarship (June 2016)
- Obstetrics and Gynecology Clerkship Honors

Undergraduate Education: Pomona College, Claremont, CA, B.A., Neuroscience

Research Experience:

- Research Assistant, UH Department of OBGYN, Honolulu, HI. Investigating the knowledge, attitudes, and beliefs surrounding Chlamydia trachomatis infection in the Micronesian community in Hawaii.
- Research Assistant, Pomona College, Claremont, CA. Investigated the effects of voluntary wheel running on long-term potentiation (LPT), the neurobiological analog of learning and memory, in rats and in high-runner (HR) mice, a strain of mice selectively bred for their affinity for running.
- Student Research Fellow, UH Department of Pathology, Honolulu, HI. Assisted attending physicians with gynecologic oncology research, identification of specimens, and preliminary slide diagnoses; assisted pathology residents in cytology and autopsies.

Publications:

- Clinton L, Miyazaki K, **Ayabe A**, Davis J, Tauchi-Nishi P, Shimizu D. The LAST Guidelines in Clinical Practice: Implementing Recommendations for p16 Use. *American Journal of Clinical Pathology* 2015 Dec, 144(6): 844-849.
- Kim J, **Ayabe A**. Obesity in Pregnancy. StatPearls, StatPearls Publishing, 8 August 2022.
- Lai T, Vierkoetter K, **Ayabe A**, Jun Ahn H, Shimizu D, Terada KY. Ethnic variations in ARID1A expression in clear cell and endometrioid ovarian carcinoma. *Gynecologic Oncology* 2017 May, 34(15): e17073-e17073.
- Vierkoetter KR, **Ayabe AR**, VanDrunen M, Jun Ahn H, Shimizu DM, Terada KY. Lynch Syndrome in patients with clear cell and endometrioid cancers of the ovary. *Gynecologic Oncology* 2014 Oct, 135(1): 81-84.

Presentations:

- **Ayabe A**, Ena B, Yugawa D, Guan K, Tauchi-Nishi P. Pancreatic Neuroendocrine Tumors Diagnosed by Fine Needle Aspiration/Biopsy Cytology: A 15-Year Study. 27th Annual Meeting of Asia-Pacific Endocrine Conference, 2016, Honolulu, HI [oral presentation].
- **Ayabe A**, Guan K, King J. Impact of short-term voluntary and forced exercise on long-term potentiation in the rat hippocampus. 44th Annual Society for Neuroscience Conference, 2014, Washington D.C. [poster presentation].
- **Ayabe A**, Sae-Ow W, Kaneshiro R, Lyon B, Morris P, Lum C, Shinoda H, Tauchi-Nishi P. Metastatic Lung Adenocarcinoma to the Kidney Diagnosed by Urine Cytology. 8th Annual Showa and University of Hawaii Conference, 2016, Honolulu, HI (oral presentation).
- Clinton LK, Miyazaki K, **Ayabe A**, Davis J, Tauchi-Nishi P, Shimizu D. The LAST Guidelines in Clinical Practice: Community Experience of Implementing Recommendation for p16 Use. 103rd Annual United States and Canadian Academy of Pathology Meeting, 2014, San Diego, CA [poster presentation].
- Vierkoetter KR, **Ayabe AR**, VanDrunen M, Jun Ahn H, Shimizu DM, Terada KY. Lynch Syndrome in patients with clear cell and endometrioid cancers of the ovary. 2014 Annual American Society for Clinical Pathology Conference, 2014, Tampa, FL [poster presentation].

Title: Adherence to 2019 ASCCP Cervical Cancer Screening Guidelines

Authors: Asia Ayabe, MD; Jeffrey Killeen, MD; Ann Chang, MD

Objective: To assess healthcare provider adherence to the 2019 ASCCP guidelines for cervical cancer screening and management of abnormal screening.

Design: This study involved a retrospective review of all cervical cancer screening requisition forms from a group of ObGyn providers from November 2022 through February 2023.

Methods: We collected requisition forms sent by a cohort of ObGyn providers for all cytology and HPV testing specimens processed at Clinical Labs of Hawaii from November 2022 to February 2023. We abstracted data from each form, including the ordering provider, clinic at which the specimen was collected, specimen accession number, patient's age, and screening result. Each patient's prior cervical cancer screening results were determined through a review of the Clinical Labs of Hawaii's Pathology laboratory database (CoPath) and the patient's electronic medical record (EPIC). Screening results, type of test ordered, and the time interval between successive screens/follow up tests were evaluated and compared against the 2019 ASCCP guidelines to determine adherence. The overall adherence rate during this period was calculated, and a single group z-test was performed to determine whether the rate was significant. Adherence rates were also analyzed by provider and by clinic, focusing on mean adherence rates and standard deviations. The adherence rate per month was also calculated. A linear regression model with goodness of fit test was used to determine any changes in adherence over time.

Results: 336 requisition forms from 14 clinics and 24 providers were ultimately included in the analysis. Overall, our cohort was found to have an adherence rate of 65.2%. Adherence rates per provider ranged from 23-100% (mean $71.3 \pm 19.4\%$). Seven (29%) of providers fell below the mean cutoff. Adherence rates per clinic ranged from 46-100% (mean $69.0 \pm 18.5\%$). Two (14%) of clinics fell below this mean cutoff.

The most common reasons for non-adherence were too long of an interval between successive screen/follow up ($n=48$, 41%), incorrect order ($n=41$, 35%), and too short of an interval between successive screen/follow-up ($n=19$, 16.2%). Several requisition forms had more than one reason for non-adherence, including too long of an interval/incorrect order ($n=5$, 4.3%) and too short of an interval/incorrect order ($n=4$, 3.4%). Of those cases with too long of an interval between successive screen/follow up, 41.7% ($n=20$) involved patients who did not show up for appointments, and 29.1% ($n=14$) involved patients who had transferred care from an outside provider.

There was no significant trend in adherence per given month with adherence rates of 70.9% in November, 65.0% in December, 53.0% in January, and 74.2% in February ($R^2=0.0017$, $p=0.96$).

Conclusions: While most of our providers are adherent to the 2019 ASCCP guidelines, the overall adherence rate is suboptimal (65.2%). The most common reason for non-adherence was too long of an interval between successive screen/follow up results. This suggests that non-adherence may be influenced by factors outside of a provider's control. However, the high rate of incorrect orders indicates a lack of knowledge, which may be improved with outreach and education.

Support: University of Hawaii Department of Obstetrics and Gynecology

Acknowledgements: Kyle Ishikawa, M.S; Clinical Labs cytotechnologists





Nancy Yang, MD

Medical School: University of Minnesota Medical School, Minneapolis, MN

Medical School Honors/Awards:

- Doris Duke International Clinical Research Fellowship - UNC Project China (2018-2019)
- Student Innovation Grant for "The Immigrant Gut Microbiome Project", Minnesota Academy of Family Physicians
- Office for Business & Community Economic Development (OBCED) Scholarship, University of Minnesota

Undergraduate Education: Washington University in Saint Louis, St. Louis, MO, B.A., International and Area Studies

Research Experience:

- Doris Duke International Clinical Research Fellow, University of North Carolina Project China, Guangzhou and Shenzhen, China. Crowdsourcing to combat HBV stigma in China. Identifying peer opinion leaders for secondary distribution of HIV self-tests.
- Student, Rural Physicians Associate's Program, UMN, Willmar, MN. Conducted a Community Health Assessment research project of the Karen secondary refugee community from the Immigrant Gut Microbiome Project. Assessed existing healthcare resources and gaps in healthcare access.
- Project Dissemination Assistant, Immigrant Microbiome Project, Minneapolis, MN. Assisted with dissemination of the major research findings to partner communities (Hmong and Karen refugees) using a Community-Based Participatory Action research (CBPAR) framework.
- Summer Undergraduate Research Fellow, Washington University in Saint Louis Dantas Lab, St. Louis, MO. Researched antibiotic resistance and probiotic microbes.

Presentations:

- Shen K, **Yang N**. Hepatitis B stigma in men who have sex with men in China: a crowdsources intervention. Asia Pacific AIDS & Co-infections Conference, 2019, Hong Kong HKG [poster presentation].
- **Yang N**. Mapping Community Health: an assessment of rural health resources for Karen refugees. Community Health Assessment poster session, 2018, Minneapolis, MN [poster presentation].
- **Yang N**. The Immigrant Gut Microbiome Project. Minnesota Academy of Family Physicians Innovation & Research Forum Spring 2018, 2018, Bloomington, MN [oral presentation].
- **Yang N**, Pangilinan M, Kiyokawa M. Rapid Buprenorphine Induction in Pregnancy. 2021 Addictions Conference, 2021 Apr 16, virtual [oral presentation].

Title: Impact of telehealth on visit attendance for women with opioid use disorder

Authors: Nancy Yang, MD; Devashri Prabhudesai, MS; Michelle Stafford; Michele Pangilinan, MD

Objective: Determine the attendance rate of telehealth versus in-person visits for women with opioid use disorder (OUD) at a dedicated substance use disorder clinic, and identify barriers to care that are and are not addressed by telehealth.

Design: A two-part design with qualitative and quantitative components.

Methods: A retrospective chart review was conducted for visits at a dedicated substance use disorder clinic from March 2019 to December 2021. Patients who were assigned female sex at birth, age 18 or older, diagnosed with OUD, and lived on Oahu were included in the analysis. Attendance rate was compared between in-person and telehealth visits. Variables including living distance from the clinic, housing status, number of children, and comorbid substance use disorder were analyzed as factors on attendance. Patients with at least one telehealth visit and one in-person visit during the above timeframe were invited to participate in a semi-structured qualitative interview about their experience with telehealth. Interviews were 30 minutes to one hour in duration, and conducted in-person or by phone, based on preference and availability of the patient and interviewer, and were given \$20 gift cards as compensation. Notes were taken during the interviews and recordings made when possible. The interview transcripts were then analyzed by two researchers and key themes were identified using grounded theory.

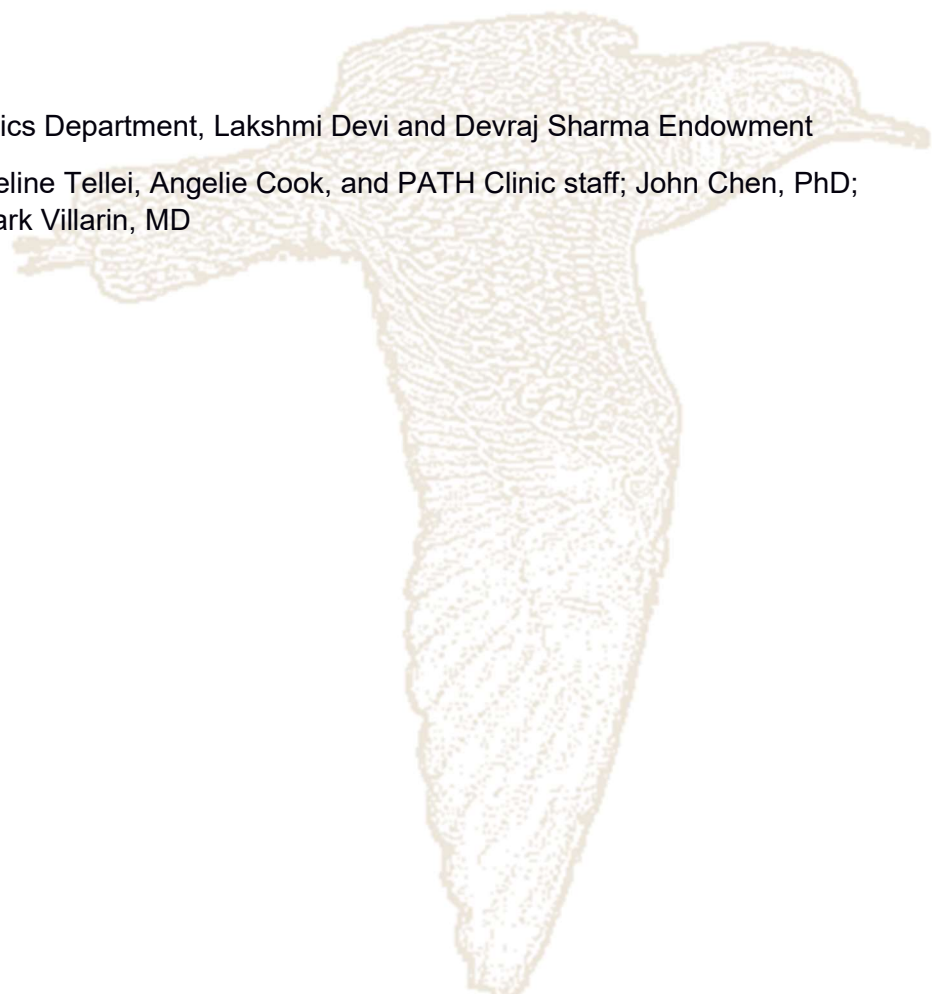
Results: A total of 114 patients with 2709 visits were identified. The majority of visits were in-person (93%) and the overall visit attendance was 62%. Preliminary analysis demonstrated that telehealth visits had a higher rate of attendance (76%), fewer cancellations (18%) and fewer visits rescheduled (6%), compared to in-person visits (61% attendance, 20% cancellations, and 20% rescheduled visits). Final analysis to evaluate the impact of living distance from clinic, housing status, number of children, and comorbid substance use disorders on visit attendance.

To date, 17 patients have been invited to interview, of which six patients have completed interviews. All interviewees (6 of 6) favored telehealth over in-person visits, and identified that telehealth primarily alleviated the barriers of transportation, time away from childcare and work, and access to providers experienced in OUD during pregnancy. Interviewees who were recently stabilized or currently being stabilized on treatment stated that telehealth prevented gaps in care, which would have put them at risk of relapse. Interviewees identified that telehealth is appropriate only for patients stable on treatment. Reported barriers to telehealth included lack of private space for visits, low technological literacy, and lack of trust developed with providers virtually compared to in-person; however, these barriers rarely and minimally affected the quality of care via telehealth.

Conclusion: Women with OUD were less likely to cancel or reschedule telehealth visits compared to in-person visits. Interviewees identified that telehealth specifically helped them to overcome transportation and time barriers to clinic visits, and improves access to specialized. These findings demonstrate that telehealth is a feasible alternative to in-person visits for this population without significant drawbacks. Future research should focus on the utility of telehealth to prevent relapse in OUD, and its utility for women with other substance use disorders.

Support: JABSOM Biostatistics Department, Lakshmi Devi and Devraj Sharma Endowment

Acknowledgements: Jacqueline Tellei, Angelie Cook, and PATH Clinic staff; John Chen, PhD; Masako Matsunaga, PhD; Mark Villarin, MD





Divya Dethier, MD, MPH

Fellow, Complex Family Planning, Department of Obstetrics and Gynecology, John A. Burns School of Medicine (JABSOM), University of Hawai'i, Honolulu, HI

Ob-Gyn Residency: Brigham and Women's Hospital, Massachusetts General Hospital, Harvard Medical School, Boston, MA

Ob-Gyn Residency Awards:

- Award for Humanism (2021)
 - Award in Resident Excellence in Health Policy and Advocacy Dedicated to Sex and Gender Medicine (2021)
 - Family Planning Award (2020)
 - Outstanding Teacher of Obstetrics and Gynecology (2019, 2021)
- Ryan Resident Scholarship (2019)
 - Wellness Award (2019)

Medical School: Warren Alpert Medical School of Brown University, Providence, RI

Medical School Honors/Awards:

- Al Senft Prize (2017)
- Gold Humanism Honor Society (2016)
- Alpha Omega Alpha Honor Society (2016)
- Reproductive Health Externship with Medical Students for Choice (2016)

Undergraduate Education: Middlebury College, Middlebury, VT, B.A., Neuroscience and Anthropology (minor)

Research Experience:

- Guest Researcher, Centers for Disease Control, Atlanta, GA. Selected to participate in a Complex Family Planning elective rotation in the Division of Reproductive Health on the Fertility Epidemiology Studies team at CDC with mentors Dr. Antoinette Nguyen and Dr. Kate Curtis. Assisted with updated version of the US MEC and SPR focusing on the integration of new contraceptive methods, as well as drug-drug interactions.
- Global Health Researcher, Warren Alpert Medical School, Lviv, Ukraine. Pursued research in Lviv, Ukraine in Summer 2014 on trends in transmission and clinical presentation of HIV positive women in Western Ukraine.

Publications:

- Bortoletto P, **Dethier D**, Evans ML, Tracy EE. Parental Consent: An Unnecessary Barrier to Adolescent Obstetrical Care. *American Journal of Obstetrics and Gynecology*. 2018 Nov, 219(5):451.e1-451.e5.
- **Dethier D**, Abernathy A. Maintaining certainty in the most uncertain of times. *Birth*. 2020 Sep, 47(3):257-258.
- **Dethier D**, Lassey SC, Pilliod R, Einarsson JI, McElrath T, Bartz D. Uterine Evacuation in the Setting of Transabdominal Cerclage. *Contraception*. 2020 Mar, 101(3):174-177.
- **Dethier D**, Qasba N, Kaneshiro B. Society of Family Planning Clinical Recommendation: Extended Use of Long Acting Reversible Contraception. *Contraception*. 2022 Sep, 113:13-18.
- **Dethier D** et al. The Changing Face of Women Living with HIV in Lviv, Ukraine. *International Journal of STD and AIDS*. 2018 Mar, 29(4):318-323.
- Goldberg A, Fulcher I, Fortin J, Hofer R, Cottrill A, **Dethier D**, Gilbert A, Janiak E, Roncari D. Mifepristone and Misoprostol for Undesired Pregnancy of Unknown Location. *Obstetrics and Gynecology*. 2022 May 1, 139(5):771-780.

- Pearlman Shapiro M, **Dethier D**, Kahili-Heede M, Kaneshiro B. No-Test Medication Abortion: A Systematic Review. *Obstetrics & Gynecology*. 2023 Jan 1, 141(1):23-34.
- Reisinger-Kindle K, **Dethier D**, Wang V, Nandi P, Tracy Bradley E, Evans ML, Ireland, LD, Dhanraj D, Bryant AS. Health Equity Morbidity and Mortality Conferences in Obstetrics and Gynecology. *Obstetrics and Gynecology*. 2021 Dec 1, 138(6):918-923.

Presentations:

- Arndt J, Hyatt A, **Dethier D**, Whitaker E, Hommel N, Boxwala M. Forward association strength and false memory. Psychonomic Society Annual Meeting, 2011, Seattle, WA [poster presentation].
- **Dethier D**, Pearlman Shapiro M, Kahili-Heede M, Kaneshiro B. Self-performed blood typing: a promising adjunct to no-test and self-managed abortion. National Abortion Federation Annual Meeting, 2023, Denver, CO [poster presentation].
- **Dethier D**, Rybak N, Hirway P, Sluzhynska M, Bachmaha M, Flanigan T. The Changing Face of Women Living with HIV in Lviv, Ukraine. Committee for Women's Health Congress, 2015, Washington, DC [poster presentation].
- **Dethier D**, Rybak N, Hirway P, Sluzhynska M, Bachmaha M, Flanigan T. The Changing Face of Women Living with HIV in Lviv, Ukraine. Unite for Sight Global Health Conference, 2015, New Haven, CT [oral presentation].
- **Dethier D**, Steel J, Morris JC. Evaluation of the Permissiveness of Immunocompetent Syngeneic Murine Tumour Models for Oncolytic Adenoviral Replication. NIH Summer Research Conference, 2009, Bethesda, MD [poster presentation].
- Goldberg A, Hofer R, Cottrill A, **Dethier D**, Gilbert A, Fulcher I, Fortin J, Janiak E, Roncari D. Medication Abortion for Pregnancy of Unknown Location. National Abortion Federation Annual Meeting, 2023, virtual [oral presentation].
- Pearlman Shapiro M, **Dethier D**, Kahili-Heede M, Kaneshiro B. No test medication abortion: a systematic review. Society of Family Planning Annual Meeting, 2022, Baltimore, MD [poster presentation].
- Tang M, Duggan C, Litman H, Mitchell P, **Dethier D**, Penny M. Infant Anthropometrics Predict Adolescent Obesity and Stunting in Peri-Urban Peru. Pediatric Academic Society Conference, 2014, Vancouver, BC, Canada [oral presentation].

Title: Self-performed blood typing: a promising adjunct for no-test and self-managed abortion

Authors: Divya Dethier MD, Zarina J Wong BA, Taylor Ronquillo MPH, Mary Tschann PhD MPH, Meliza Roman MS, John Chen PhD, Reni Soon MD MPH, Bliss Kaneshiro MD MPH

Objective: No-test medication abortion and self-managed abortion are increasingly critical avenues for abortion access. Phlebotomy is the current standard for Rh testing. A point-of-care test that patients could do on their own, such as the EldonCard, could eliminate this barrier to abortion access.

Our objective is to determine whether patients are capable and willing to self-administer and interpret a point-of-care test to determine their own blood type and Rh status.

Design: This was a cross-sectional study of pregnancy-capable persons who visited the POB1 1004 clinic at Queens Medical Center from May 2022 through February 2023.

Methods: Eligible participants were between 14 and 50 years old, did not know their blood type, and had not used an EldonCard before.

Participants were given instructions and asked to complete the EldonCard independent of the research team and submit their interpretation of the result and complete an online survey asking about feasibility and acceptability of using the EldonCard. A blinded clinician researcher then recorded their own interpretation of the EldonCard. If participants' blood types were available in the electronic health record (EHR) from prior phlebotomy draw, these were recorded as well.

Cohen's kappa (κ) statistic was used to assess the interrater reliability between the patients, the trained investigators, and blood type on file. Sensitivity and specificity were calculated to further assess the EldonCard. Associations between preference of the EldonCard or a blood draw and patients' comfort and confidence levels, race, and education level were explored using Pearson's Chi-squared test and Fisher's exact test.

Results: Of the 330 total participants, 288 (87%) completed EldonCard testing and the survey. The majority of the remaining 42 enrolled participants did not complete testing due to apprehension to pricking their own finger.

94.4% (268/284) found the testing very easy or somewhat easy. 88.8% (257/284) felt very confident or somewhat confident in their ability to interpret the EldonCard. 93.7% (266/284) would feel comfortable doing this testing at home if needed. 71.5% (203/284) would prefer EldonCard over phlebotomy. There was no significant difference ($p=0.082$) among participants regarding how easy or difficult the EldonCard testing was and their preference for future testing.

The combined agreement for ABO and Rh between participant and researcher was 85.6%, with $\kappa = 0.81$ indicating a strong level of agreement. The combined agreement for Rh only between participant and researcher was 94%, with $\kappa = 0.65$ (moderate agreement). Rh only agreement between patient and blood type on record was 83.5% (96/115), $\kappa = 0.15$ (minimal agreement). Rh only agreement between researcher and blood type on record was 92.3% (108/117), $\kappa = 0.29$ (minimal agreement).

When the EldonCard was interpreted by the patient, there was a sensitivity of 100% and specificity of 83% for the detection of Rh-negative status as compared to the blood type in the EHR. When interpreted by the researcher, there was a sensitivity of 100% and specificity of 92%. Only 2 participants had Rh-negative blood type in the EHR.

There were no instances in which a patient who was Rh-negative in the EHR was thought to be Rh-positive by EldonCard by either participant or researcher.

Conclusions: The EldonCard can be an effective and desirable option for patients to self-screen their Rh status. Participants found it easy and majority preferred it to phlebotomy. Our data suggests the EldonCard has high sensitivity compared to the gold standard of phlebotomy when interpreted by both patients and clinicians. Further research including more Rh-negative participants is needed.

Support: Financial support was provided by the Society of Family Planning.

Acknowledgements: POB1 1004 clinic staff (Chelsea Liu, Charisse Rodrigues, Pua Paia, Anika Mejia), Dr Lisa Natavio, Dr Shandhini Raidoo, Dr Tracee Suetsugu, research interns (Alicia Velasco, Rochelle Cadiente, Doris Yang, Lauren Kirkwood-Johnson, Talia Booher)



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Ob-Gyn Residency: University of Washington, Seattle, WA

Ob-Gyn Residency Awards:

- University of Washington OBGYN Residency Recruitment Chief (2019)

Medical School: University of Vermont College of Medicine, Burlington, VT

Medical School Honors/Awards:

- Global Health Scholarship, Western Connecticut Health Network (2015)
- Gold Humanism Honor Society (2015)
- Travel Award, UVM College of Medicine (2015)

Undergraduate Education: Westmont College, Santa Barbara CA, B.S., Biology

Research Experience:


- Principle Investigator, University of Washington, Seattle, WA. Project: Impact of the 2016-2017 healthcare worker strikes on facility delivery in Kenya. Presented as University of Washington Husky Day Research Project.
- Research Assistant, University of Vermont Medical Center, Burlington, VT. Primary focus: Fertility and Well-Being.
- CHAMP Network Data Summary Report Assistant, Vermont Child Health Improvement Program (VCHIP), Burlington, VT. Primary focus: Quality Improvement Project.
- Wellness Committee Summer Intern, University of Vermont, Burlington, VT.

Publications:

- Preston K, Haddad D, Thompson W, Ebert S, **Saiki K**, Wenning L, Balise S, Martir J, Jacobsen P, Larrabee J. "Assessing the Feasibility of a Mobile HIV Screening Unit in Vermont: A Community Survey" (2014). Public Health Projects, 2008-present. Book 197. Presented at Public Health Projects Fair.
- **Saiki K**. "Creating Patient Instructions for Community Health Resources" (2014). Family Medicine Clerkship Student Projects. Book 24. Created for and presented to Eleanor Widener Dixon Memorial Clinic, Gouldsboro, ME
- **Saiki K**, Nishimura Y, Towner D, Narashima A, Vossler T, Kode K. Successful Peripartum Venoarterial Extracorporeal Membrane Oxygenation for Pheochromocytoma-induced Cardiogenic Shock. AIM Clinical Cases 2022, 1(3):e220078.

Presentations:

- Jiang W, **Saiki K**, Ronen K, Unger J, Osborn L, Moraa J, Matemo D, Kinuthia J, John-Stewart G. Impact of the 2016-2017 healthcare worker strikes on facility delivery in Kenya. 7th Annual East African Health Commission Conference, 2019, Dar Es Salaam, Tanzania [poster presentation].
- Maykin M, Mercer E, **Saiki K**, Kaneshiro B, Miller C, Tsai PJ. Furosemide to Lower Antenatal Severe Hypertension (FLASH): A Randomized Placebo-Controlled Trial. 43rd Annual Pregnancy Meeting, 2023, San Francisco, CA [poster presentation].
- **Saiki K**, Benny PB, Bartholomew LM, Yamasato K, Lee MJ. Gestational diabetes stratification according to body mass index in a multiracial cohort. Society for Reproductive Investigation – 68th Annual Scientific Meeting, 2021, Boston, MA [poster presentation].

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- **Saiki K**, Clifton J, Seehus M, Worrall G, Casson R, Rellini A, Raj R, McGee E. Anxiety symptoms as predictors of fertility treatment outcomes. American Society for Reproductive Medicine, 2016, Salt Lake City, UT [poster presentation].
 - **Saiki K**, Lee MJ, Benny PB, Gragas A, Stevens J, Yamasato, K. Social Needs Screening and Perceived Stress Scale Scores in a Pregnant Cohort. 43rd Annual Pregnancy Meeting, 2023, San Francisco, CA [poster presentation].
 - **Saiki K**, Maykin M, Miller C, Sullivan C, Kaneshiro B, Fukuda N, Wood B, Tsai PJ. Race and preterm birth in Hawai'i. 42nd Annual Pregnancy Meeting of the Society for Maternal Fetal Medicine, 2022, virtual [poster presentation].
 - **Saiki K**, Tsai PJ, Banerjee D. Utilization of a Multidisciplinary Cardio-Obstetrics Program to Optimize Maternal and Neonatal Outcomes in Hawaii. 2023 Hawaii State Patient Safety Conference, 2023, Honolulu, HI [poster presentation].
 - **Saiki KS**, Riel J, Benny P, Stevenson M, Gragas A, Yamasato K, Lee MJ. Social Determinants of Health, Perceived Stress, and Pregnancy Outcomes in Hawaii: A Prospective Study of 155 Patients. 70th Annual Society for Reproductive Investigation, 2023, Brisbane, Australia [oral presentation].
 - Weingrill RB, Lee MJ, Benny PB, Riel J, **Saiki K**, Miller C, Souza ST, Silver UR, Borbely AU, Urschitz J. Microplastic accumulation in Placentas from Hawaiian Women. 70th Annual Society for Reproductive Investigation, 2023, Brisbane, Australia [oral presentation].

Title: Social Determinants of Health, Perceived Stress, and Interleukin-6 levels in the first trimester: A single center prospective study of 373 patients in Hawai'i.

Authors: Kevin Saiki MD, Jonathan Riel PhD, Paula Benny PhD, Anna Gragas, Megan Stevenson MD, Men Jean Lee MD, Kelly Yamasato, MD

Objective: To evaluate first trimester perceived stress and social determinants of health survey scores, and serum inflammatory biomarker (IL-6) as predictors of pregnancy outcome in a cohort in Hawai'i.

Design: Single-center prospective cohort study.

Methods: Participants were recruited at the time of first trimester ultrasound (10w6d–13w6d) at the Fetal Diagnostic Center. Participants completed the Cohen's Perceived Stress Scale-10 (PSS) and the American Academy of Family Physicians Social Needs Screening Tool (SNST) and provided 10cc of blood. Delivery outcomes were collected through the electronic medical record. The SNST is a 15-question form with validated questions regarding selected social needs that are correlated with poor health outcomes (housing, food insecurity, transportation, utilities, child care, employment, and personal safety). The PSS is a validated tool measuring stress in a wide variety of populations, including pregnant patients. SNST and PSS scores were correlated with a composite adverse pregnancy outcome that included preterm birth, preeclampsia/gestational hypertension, small for gestational age infants, large for gestational age infants, and gestational diabetes. Plasma samples were analyzed using ELISA for interleukin-6 levels (IL-6).

Composite outcome rates were compared between those who scored in the highest quartiles of the SNST and those who scored in the bottom three quartiles using chi-square/Fisher's exact tests. The same analysis was performed with the PSS. Associations between maternal serum IL-6 and adverse pregnancy outcomes and SNST/PSS scores were evaluated with bivariate analysis. Presuming a baseline risk of 20% for the composite outcome for those who score in the lower three quartiles in the SNST, and a clinically significant increase to 35% for those who score in the top quartile, 339 women were needed for an 80% power with alpha of 0.05. Presuming a 10% loss to follow-up rate left a sample size of 373 patients.

Results: A total of 373 patients were recruited and 22 excluded, leaving 351 participants in the analysis. Those with the highest quartiles SNST scores had the same likelihood of the composite outcome compare to those in the lower three quartiles 41.5% (34/82) vs 41.3% (111/269), $p=0.97$. Those in the highest quartile of PSS scores were more likely to develop composite outcome but the relationship did not meet statistical significance 46.9% (46/98) vs 39.1% (99/253), $p=0.18$. Mean IL-6 did not differ between those with the composite outcome and those without (2.45 pg/mL, $SD=4.76$ vs 2.13 pg/mL, $SD=3.27$, $p=0.51$). Sub-analyses of individual social needs found that housing (18.5% vs 7.5%, $p=0.04$), utilities (10.3% vs 1.6%, $p=.002$), and childcare (16.7% vs 6.8%, $p=0.048$) were associated with significantly increased risk of developing multiple adverse outcomes in the same pregnancy.

Conclusions: In this high-risk cohort, first trimester SNST and PSS scores overall did not predict adverse pregnancy outcomes, nor did this appear to be mediated by first trimester IL-6. However, several specific social needs were predictive of individuals who developed multiple adverse pregnancy outcomes. These findings suggest a potential role of social needs screening in the early identification of those at the highest risk for pregnancy complications.

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Resident & Fellow Research Day 2023
Research Productivity of UH OB/GYN

To view the Google Drive containing the abstracts and posters presented by our residents, faculty, and fellows between June 2022 and May 2023, please click [here](#) or follow the QR code below:



Resident & Fellow Research Day 2022
Research Productivity of UH OB/GYN
Faculty, Fellows, Clinical Faculty, Residents, and Medical Students
Publications June 2022 – May 2023

1. Anderson CM, **Tschann M**, Whitehouse K, **Soon R**, Fontanilla T, **Kaneshiro B**. Oxytocin and Hypotension During Dilation and Evacuation Procedures at 18-24 Weeks Gestation. *Hawaii J Health Soc Welf.* 2022 Dec, 81(12):328-332. [PubMed.](#)
2. Baniqued A, Murayama S, Cadiente RM, Calio B, Cabusog J, Goya K, Tyson J, Schiff-Elfalan T, Soin K, **Kaneshiro B**. Expanding Access to Contraception: Identifying Accessibility Gaps Across Hawai'i Communities. *Hawaii J Health Soc Welf.* 2022 Apr, 81(4 Suppl 2):46-51. [PubMed.](#)
3. Chin JM, Chen E, Wright T, **Bravo RM**, Nakashima E, Kiyokawa M, Karasaki K, Estrada P, Ghatnekar R, **Lee MJ**, **Bartholomew ML**. Urine drug screening on labor and delivery. *Am J Obstet Gynecol MFM.* 2022 Aug 26;4(6):100733. [PubMed.](#)
4. Collins-Doijode H, Oehlers J, Tyson J, Rodriguez MI, **Kaneshiro B**. Availability of Pharmacist-Prescribed Contraception in Hawai'i. *Hawaii J Health Soc Welf.* 2022 Aug, 81(8):218-222. [PubMed.](#)
5. Connolly KK, **Olson HL**, Buenconsejo-Lum LE. Medical School Faculty Development Post-Pandemic - Opportunities in the Digital Shift. *Hawaii J Health Soc Welf.* 2022 Nov, 81(11):316-318. [PubMed.](#)
6. **Dethier D**, Qasba N, **Kaneshiro B**. Society of Family Planning clinical recommendation: Extended use of long-acting reversible contraception. *Contraception* 2022 Sep, 113:13-18. [PubMed.](#)
7. Estrada P, Tipton L, **Chong R**, **Towner D**, **Yamasato K**. Associations between the Safe Prevention of Primary Cesarean Delivery Care Consensus and Maternal/Neonatal Outcomes. *Am J Perinatol.* 2023 Jan 17. [Link.](#)
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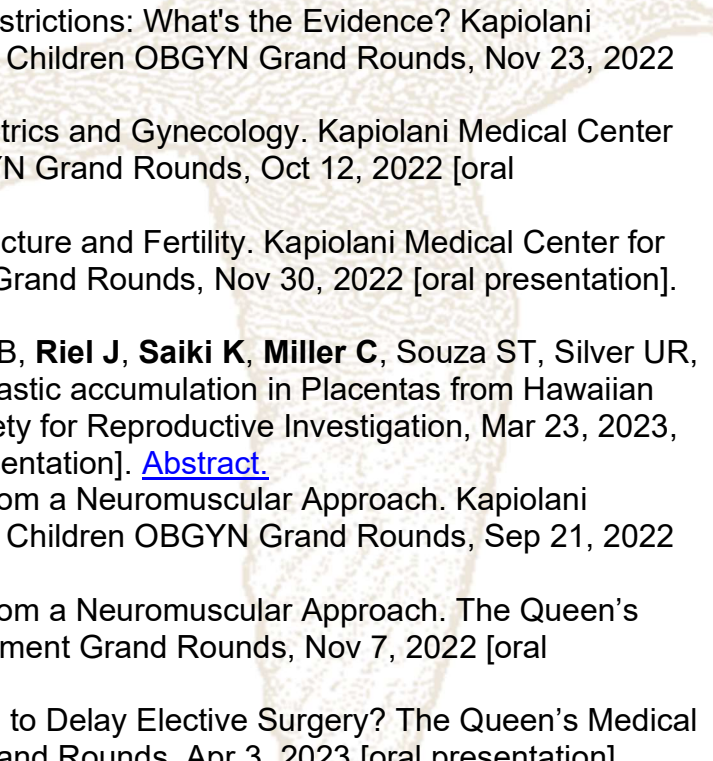
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28. **Stowers P**, Fontanilla T, Elia J, Salcedo J, **Tschann M, Kaneshiro B, Soon R.** Fetal tissue donation for research at the time of abortion: A qualitative study of individuals who experienced an abortion in Hawaii in 2018-19. *Contraception.* 2022 Sep,113:84-87. [PubMed.](#)
29. **Stowers P, Hiraoka M, Khozaim K, Stickley E, Adrian C, Uohara J, Zalud I.** Perceived Impact of a Core Rotation on Hawai'i Island on Future Career Intentions among Obstetrics and Gynecology Residents. *Hawaii J Health Soc Welf.* 2023 Apr, 82(4):89-93. [PubMed.](#)
30. **Sullivan C**, Cazin M, Higa C, **Zalud I, Lee MJ.** Maternal telehealth: innovations and Hawai'i perspectives. *J Perinat Med.* 2022 Nov 14, 51(1):69-82. [PubMed.](#)
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Department of OB/GYN Abstract Presentations
Faculty, Fellows, Clinical Faculty, Residents, and Medical Students
June 2022 – May 2023

1. **Adrian C.** Sleep... Who needs it? A Guide to Identifying and Treating Sleep Disorders in the OB/GYN Clinic. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Mar 22, 2023 [oral presentation]. [Recording.](#)
2. **Aeby T.** Hysterectomy 2022. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Aug 10, 2022 [oral presentation]. [Recording.](#)
3. **Bartholomew L.** Trauma Informed Care in Obstetrics and Gynecology. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Apr 19, 2023 [oral presentation]. [Recording.](#)
4. **Batista B.** Navigating Menopause. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Dec 28, 2023 [oral presentation]. [Recording.](#)
5. **Chan K.** Context is Important: Cervical Cancer Screening. The Queen's Medical Center OBGYN Department Grand Rounds, Dec 5, 2022 [oral presentation].
6. **Chan K.** Ever Evolving Context of Cervical Cancer Screening. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Apr 12, 2023 [oral presentation]. [Recording.](#)
7. **Chan K.** To take or Not to Take: Updates on Opportunistic Oophorectomy at time of Benign Hysterectomy. The Queen's Medical Center OBGYN Department Grand Rounds, Aug 22, 2022 [oral presentation].
8. **Chin K.** Hemostasis & Hemostatics. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Jan 25, 2023 [oral presentation].
9. **Chin K.** Hemostasis & Hemostatics. The Queen's Medical Center OBGYN Department Grand Rounds, Aug 8, 2022 [oral presentation]. [Recording.](#)
10. **Chin K.** The Future is Here: How Artificial Intelligence is Changing Healthcare. The Queen's Medical Center OBGYN Department Grand Rounds, Mar 13, 2023 [oral presentation].
11. **Dethier D,** Corner D. Medication Abortion Workshop for Internal Medicine. Workshop for MGH Internal Medicine Department, Oct 2022 [workshop].
12. **Dethier D,** Harris LH, Flink-Bochacki R, Urbina J, Lance A. Abortion care while pregnant and parenting: Exploring the provider experience. Session at Society of Family Planning 2022 Annual Meeting, Dec 2022 [oral presentation].
13. **Dethier D, Kaneshiro B.** The Pill Talk. Partners in Contraceptive Choice and Knowledge (PICCK) Webinar, Oct 2022, virtual [oral presentation].
14. **Dethier D,** Moayedi G, **Chen T.** Controversies in Family Planning. ACOG Conference, Nov 2022 [oral presentation].
15. **Dethier D, Pearlman Shapiro M,** Kahili-Heede M, **Kaneshiro B.** Self-performed blood typing: a promising adjunct to no-test and self-managed abortion. National Abortion Federation Annual Meeting, Denver CO, Apr 2023, Denver, CO [poster presentation].
16. **Dethier D, Pearlman-Shapiro M,** Kahili-Heede M, **Kaneshiro B.** No test medication abortion: a systematic review. Society of Family Planning Annual Meeting, Dec 2022, Baltimore, MD [poster presentation].

17. **Dethier D**, Qasba N, Dragoman M. How long is long-acting? Understanding the new guidance on extended use of LARC. Society of Family Planning Webinar, Oct 2022, virtual [oral presentation].
18. **Dethier D**, Wong Z, Ronquillo T, **Tschann M**, Roman M, Chen J, **Soon R**, **Kaneshiro B**. Self-performed blood typing: a promising adjunct for no-test and self-managed medication abortion. National Abortion Federation Annual Meeting, Apr 29 – May 2, 2023 [poster presentation]. [Poster](#). [Abstract](#).
19. **Dethier D**. Contraception 101. Conference for UH JABSOM Medical Students Introduction to Clinical Rotations, Jun 2022 [oral presentation].
20. **Dethier D**. The Pill Talk. The Queen’s Medical Center OBGYN Department Grand Rounds, Jan 2023, Honolulu, HI [oral presentation].
21. **Garcia J**. Stroke and Pregnancy. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Mar 8, 2023 [oral presentation]. [Recording](#).
22. **Ichikawa M**. Single Site Surgery: A Review. The Queen’s Medical Center OBGYN Department Grand Rounds, Oct 3, 2022 [oral presentation].
23. **Ichikawa M**. Single-Site Surgery: A Review. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Apr 26, 2023 [oral presentation]. [Recording](#).
24. **Ing L**. Fertility Considerations in Oncology Patients. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Dec 14, 2022 [oral presentation]. [Recording](#).
25. **Ing L**. Fertility Considerations in Oncology Patients. The Queen’s Medical Center OBGYN Department Grand Rounds, Sep 26, 2022 [oral presentation].
26. **Ing L**. Holy Moley: A review of trophoblastic disease. The Queen’s Medical Center OBGYN Department Grand Rounds, Feb 6, 2023 [oral presentation].
27. **Kessel B**. Infertility Evaluation and Treatment for the Generalist OB/GYN. The Queen’s Medical Center OBGYN Department Grand Rounds, Jan 30, 2023 [oral presentation].
28. **Lee MJ**. Plastics and Pregnancy. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Jan 18, 2023 [oral presentation]. [Recording](#).
29. **Lee P**. Ovarian Cancer Updates. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Oct 26, 2022 [oral presentation]. [Recording](#).
30. **Maykin M**, **Mercer E**, **Saiki K**, **Kaneshiro B**, **Miller C**, **Tsai PJ**. Furosemide to Lower Antenatal Severe Hypertension (FLASH): A Randomized Placebo-Controlled Trial. The 43rd Annual Pregnancy Meeting, Feb 10, 2023, San Francisco, CA [poster presentation]. [Abstract](#).
31. **McCartin R**. Things That Go Bump In The Uterus. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Mar 29, 2023 [oral presentation].
32. **Mercer E**. Gestational Carriers. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Mar 15, 2023 [oral presentation]. [Recording](#).
33. **Mercer E**. Gestational Carriers. The Queen’s Medical Center OBGYN Department Grand Rounds, Feb 27, 2023 [oral presentation].
34. **Miller C**. Updates on the Reproductive Microbiome. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Sep 28, 2022 [oral presentation]. [Recording](#).

35. **Molero Bravo R.** To Err is Human. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Jul 13 2022 [oral presentation]. [Recording.](#)
36. **Oyama I.** An update on urinary and fecal incontinence in the female patient. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Dec 21, 2023 [oral presentation]. [Recording.](#)
37. **Pangilinan M.** Substance Use Disorders in Pregnancy and Postpartum, Updates and Clinical Pearls. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Feb 15, 2023 [oral presentation]. [Recording.](#)
38. **Pearlman Shapiro M, Dethier D, Kahili-Heede M, Kaneshiro B.** No-test medication abortion: A systematic review. Society of Family Planning Annual Meeting, Oct 28 – 30 2022, Seattle, WA [poster presentation]. [Poster.](#)
39. **Raidoo S.** Adolescent Care and Contraception. The Queen’s Medical Center OBGYN Department Grand Rounds, Apr 17, 2023 [oral presentation].
40. **Saiki K, Lee MJ, Benny PB, Gragas A, Stevens J, Yamasato K.** Social Needs Screening and Perceived Stress Scale Scores in a Pregnant Cohort. The 43rd Annual Pregnancy Meeting, Feb 9, 2023, San Francisco, CA [poster presentation]. [Abstract.](#)
41. **Saiki K, Tsai PJ, Banerjee D.** Utilization of a Multidisciplinary Cardio-Obstetrics Program to Optimize Maternal and Neonatal Outcomes in Hawaii. 2023 Hawaii State Patient Safety Conference, Apr 21, 2023, Honolulu, HI [poster presentation]. [Abstract.](#)
42. **Saiki KS, Riel J, Benny P, Stevenson M, Gragas A, Yamasato K, Lee MJ.** Social Determinants of Health, Perceived Stress, and Pregnancy Outcomes in Hawaii: A Prospective Study of 155 Patients. The 70th Annual Society for Reproductive Investigation Mar 25, 2023; Brisbane, Australia [oral presentation]. [Abstract.](#)
43. **Saito-Tom L.** Cultivating an Optimal Learning Environment. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Feb 22, 2023 [oral presentation]. [Recording.](#)
44. **Saito-Tom L.** Enhancing Direct Observation of Medical Students during the Obstetrics and Gynecology Clerkship. Assessment and Curriculum Support Center at the University of Hawai’i at Mānoa, Mar 2023, Honolulu, HI [poster presentation]. [Poster.](#)
45. Sato D, Abella M, **Pawar D, Stafford M, Shirriff A, Collins R.** Racial Disparities in Cesarean Delivery Outcomes: Analysis of Native Hawaiians or Pacific Islanders and American Indians or Alaska Natives. 2023 ACOG Annual Clinical & Scientific Meeting, May 19-21, 2023, Baltimore, MD [abstract submitted]. [Abstract.](#)
46. Shirriff A, Abella M, **Manayan O, Pawar D, Collins R.** Racial Disparities in Total Abdominal Hysterectomy Postoperative Outcomes: Analysis including American Indian or Alaska Natives and Native Hawaiian or Pacific Islanders. 2023 ACOG Annual Clinical & Scientific Meeting, May 19-21, 2023, Baltimore, MD [abstract submitted]. [Abstract.](#)
47. **Stickley E.** Postmenopausal Osteoporosis: Highlights and Updates for the OBGYN. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Feb 8, 2023 [oral presentation]. [Recording.](#)

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48. **Stowers P.** Post-Procedure Restrictions: What's the Evidence? Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Nov 23, 2022 [oral presentation]. [Recording.](#)
 49. **Villarin M.** Opioid Use in Obstetrics and Gynecology. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Oct 12, 2022 [oral presentation]. [Recording.](#)
 50. **Ward S.** Sperm Chromatin Structure and Fertility. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Nov 30, 2022 [oral presentation]. [Recording.](#)
 51. Weingrill RB, **Lee MJ**, Benny PB, **Riel J**, **Saiki K**, **Miller C**, Souza ST, Silver UR, Borbely AU, Urschitz J. Microplastic accumulation in Placentas from Hawaiian Women. The 70th Annual Society for Reproductive Investigation, Mar 23, 2023, Brisbane, Australia [poster presentation]. [Abstract.](#)
 52. **Xiong L.** Chronic Pelvic Pain from a Neuromuscular Approach. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Sep 21, 2022 [oral presentation]. [Recording.](#)
 53. **Xiong L.** Chronic Pelvic Pain from a Neuromuscular Approach. The Queen's Medical Center OBGYN Department Grand Rounds, Nov 7, 2022 [oral presentation].
 54. **Xiong L.** Right on Time - When to Delay Elective Surgery? The Queen's Medical Center OBGYN Department Grand Rounds, Apr 3, 2023 [oral presentation].
 55. **Yamasato K.** Evidence-Based Cesarean. The Queen's Medical Center OBGYN Department Grand Rounds, Dec 19, 2022 [oral presentation].
 56. **Yamasato K.** Preterm Labor Initiatives. Kapiolani Medical Center for Women and Children OBGYN Grand Rounds, Aug 24, 2022 [oral presentation]. [Recording.](#)

Past Research Day Guest Speakers

- 2022 **Lawrence D. Platt, MD**, Clinical Professor of Obstetrics and Gynecology, David Geffen School of Medicine at UCLA, *“Genetic Screening and Early Prenatal Diagnosis.”*
- 2021 **Philip D. Darney, MD, MSc**, Distinguished Professor, Department of Obstetrics, Gynecology & Reproductive Sciences, Bixby Center for Global Reproductive Health, University of California San Francisco, *“Disparities in Maternal Mortality: Causes and Cures.”*
- 2019 **Matthew Barber, MD, MHS**, Chair, Department of Obstetrics and Gynecology, Duke University, Durham, North Carolina, *“Innovations in Surgery: Lessons from Urogynecology.”*
- 2018 **Dev Maulik, MD, PhD**, Senior Associate Dean of Women’s Health, Professor & Chair, Department of Obstetrics and Gynecology, University of Kansas, Kansas City, Kansas, *“Fetal Growth Restriction: An Update.”*
- 2017 **Eve Espey, MD**, Professor and Chair, Department of Obstetrics and Gynecology, University of New Mexico, Albuquerque, New Mexico, *“Teen Pregnancy Options Counseling ... and Some Contraception Too!”*
- 2016 **Haywood L. Brown, MD, FACOG**, F. Bayward Charter Professor & Chair, Obstetrics and Gynecology Department/Division: Obstetrics/Gynecology/Maternal-Fetal Medicine, Duke University School of Medicine, Durham, North Carolina, *“The Obstetric Bundles.”*
- 2015 **Barbara S. Levy, MD**, Vice President for Health Policy, Advocacy Division at the American College of Obstetricians and Gynecologists (ACOG), Washington, DC, *“Vaginal Hysterectomy: Removing the Engine thru the Tailpipe.”*
- 2014 **Daniel M. Breitkopf, MD**, Associate Professor & Ob/Gyn Residency Program Director, Department of Obstetrics and Gynecology, Mayo Clinic, Rochester, Minnesota, *“Hysteroscopy and Abnormal Uterine Bleeding: What’s New?”*
- 2013 **Aaron B. Caughey, MD, MPA, MPH, PhD**, Professor and Chair, Department of Obstetrics and Gynecology, Oregon Health & Science University, Portland, Oregon, *“The Cesarean Epidemic: Etiologies, Outcomes, & Potential Solutions.”*
- 2012 **Deborah A. Wing, MD**, Professor of Clinical Obstetrics and Gynecology, Director, Division of Maternal-Fetal Medicine and Director, Maternal-Fetal Medicine Fellowship, University of California, Irvine, *“Updates in Cervical Ripening and Labor Induction.”*

Past Research Day Award Recipients

Santosh S. Sharma, MD Resident Research Award [for submission for publication]

- 2022 **Ingrid Chern, MD**, *“The evolution of gestational diabetes in a multi-racial population: Racial/ethnic differences in gestational diabetes and its association with maternal and neonatal outcomes among women in Hawai‘i”*
- Alyssa Malley, MD**, *“Characteristics, Complications, and Outcomes of Pregnant Tourists who Present to the Hospital in Hawaii”*
- 2021 **Christina Buchanan, MD**, *“Neonatal Hypoxic Ischemic Encephalopathy and Planned Home Birth”*
- Pamela Estrada, MD**, *“Racial and Ethnic Disparities in Intensive Care Admission in a Pregnant and Postpartum Population”*
- 2020 **Jennifer Chin, MD**, *“Buffered Lidocaine for Paracervical Blocks in First Trimester Outpatient Surgical Abortions”*
- Nikki Kumura, MD**, *“Pharmacy Access to Ulipristal Acetate in Small Cities Throughout the United States”*
- Caroline Lau, MD**, *“Duration of foley catheter cervical ripening as a predictor of total length of labor”*
- Jennifer Wong, MD**, *“An Investigation on the Completeness of Salpingectomy Intended for Ovarian Cancer Risk Reduction”*
- 2019 **Sally Markee, MD**, *“Tumor suppressor gene and mismatch repair protein expression in uterine sarcomas and carcinosarcomas”*
- Sally Zhen, MD**, *“Pregnant Women’s Experiences and Expectations of the Routine Obstetric Screening Ultrasound”.*
- 2018 **Nikki Kurata, MD**, *“Prolonged Interpregnancy Interval: Essential Nullipara Again?”*

First Place Award

- 2022 **Elizabeth Mercer, MD**, *“Placenta previa: is follow-up always needed?”*
- 2021 **Ingrid Chern, MD**, *“Racial/ethnic differences in gestational diabetes and the association with maternal and neonatal outcomes among women in Hawai‘i”*

- 2020 **Sharareh Firouzbakht, MD**, *“Abortion knowledge affecting abortion provision after obstetrics and gynecology residency”*
- 2019 **Jennifer Chin, MD**, *“Buffered lidocaine for paracervical blocks in first trimester outpatient surgical abortions”*
- 2018 **Meryl Ueno, MD**, *“Association between Second Trimester Maternal Serum Analytes and Gestational Diabetes”*
- 2017 **Charlie Wang, MD**, *“Utility of Routine Collection of Chlamydia and Gonorrhea in Antepartum Patients”*
- Honorable Mention:
Nicole Kurata, MD, *“Prolonged Interpregnancy Interval: Essential Nullipara Again?”*
- 2016 **Sara C. Harris, MD**, *“Levonorgestrel Intrauterine Device Expulsion in Patients with Abnormal Uterine Bleeding”*
- 2015 **Melissa Kuwahara, MD**, *“Interpregnancy Interval and Subsequent Pregnancy Outcomes after Dilation and Evaluation”*

Audience Choice Award

- 2022 **Elizabeth Mercer, MD**, *“Placenta previa: is follow-up always needed?”*
- 2021 **Ingrid Chern, MD**, *“Racial/ethnic differences in gestational diabetes and the association with maternal and neonatal outcomes among women in Hawai‘i”*
- 2020 **Christina Buchanan, MD**, *“Neonatal Hypoxic Ischemic Encephalopathy and Planned Home Birth”*
- 2019 **Jennifer Chin, MD**, *“Buffered lidocaine for paracervical blocks in first trimester outpatient surgical abortions”*
- 2018 **Meryl Ueno, MD**, *“Association between Second Trimester Maternal Serum Analytes and Gestational Diabetes”*
- 2017 **Charlie Wang, MD**, *“Utility of Routine Collection of Chlamydia and Gonorrhea in Antepartum Patients”*
- 2016 **Sara C. Harris, MD**, *“Levonorgestrel Intrauterine Device Expulsion in Patients with Abnormal Uterine Bleeding”*
- P. Gordon McLemore, Jr, MD**, *“Utilization of Abdominal Circumference (AC) Measurement in Fetal Biometry in the Late Second and Early Third Trimesters in the Prediction of Small for Gestational Age (SGA) Infants”*
- 2015 **Holly Bullock, MD**, *“Access to Ulipristal Acetate in Hawaii: Is a Prescription Enough?”*



Past Research Day Honorees

2022 ***Ivica Zalud, MD***

2021 ***Thomas Kosasa, MD***

2020 ***All of Hawai'i's obstetrician-gynecologists who are on the COVID-19 frontlines***

2019 ***Tricia Wright, MD***

2018 ***Bliss Kaneshiro, MD, MPH***

2017 ***Tod Aeby, MD, MEd***

2016 ***Santosh Sharma, MD***

2015 ***50th Anniversary of the John A. Burns School of Medicine***



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