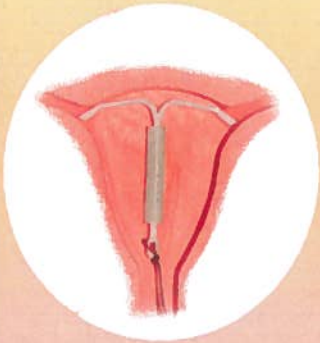


*NINETEENTH ANNUAL
Obstetrics, Gynecology & Women's Health
Resident and Fellow Research Day
May 21, 2014*



*University of Hawai'i
John A. Burns School of Medicine
Department of Obstetrics, Gynecology & Women's Health*

**NINETEENTH ANNUAL
Obstetrics, Gynecology & Women's Health
Resident and Fellow Research Day**

**May 21, 2014
Waialae Country Club
4997 Kahala Avenue
Honolulu, Hawai`i**



**University of Hawai`i
John A. Burns School of Medicine
Department of Obstetrics, Gynecology & Women's Health**





**IVICA ZALUD, M.D., Ph.D.
PROFESSOR AND CHAIR
DEPARTMENT OF OBSTETRICS, GYNECOLOGY AND WOMEN'S HEALTH
UNIVERSITY OF HAWAII
JOHN A. BURNS SCHOOL OF MEDICINE**

We welcome you to the 19th Annual Department of Obstetrics, Gynecology and Women's Health, John A Burns School of Medicine, University of Hawaii Research Day symposium. This event, created and organized through the combined efforts of our faculty, fellows and residents, was aimed to improve women's health care. The objective of this Research Day is to provide a format for residents and fellows to present their current research and to acknowledge recently published and presented research by our faculty. The research projects that are being discussed today give our residents and fellows experience conducting and presenting original research and an opportunity to generate discussion about women's health care needs. The knowledge and skills our residents and fellows gain will assist them to critically analyze medical literature and determine optimum evidence based practice to benefit their patients. We believe this experience would encourage them to continue to explore basic science, translational and clinical research opportunities in the future.

A special thanks goes to the entire Research Day symposium Planning committee and to our distinguished visiting professor Dr. Daniel M. Breitkopf. We hope that you will find this research symposium to be informative and thought-provoking. Please share your ideas about our department's research day strengths with us and any suggestions for next year's program.



BLISS KANESHIRO, M.D., M.P.H.
ASSISTANT PROFESSOR AND DIRECTOR OF RESIDENT RESEARCH
DEPARTMENT OF OBSTETRICS, GYNECOLOGY AND WOMEN'S HEALTH
UNIVERSITY OF HAWAII
JOHN A. BURNS SCHOOL OF MEDICINE

Welcome to the 2014 Resident Research Day. I congratulate our residents on the completion of their excellent projects and for your support of resident research. As in years past, our patients, hospitals, department, Hawaii Residency Program, faculty, visiting professor, research judges, teaching staff, medical students, nursing, ancillary and support staff have supported our residents as they accomplished this work. With each of these projects, we have seen again that the most interesting results are obtained by asking the right kinds of questions.

GUEST SPEAKER & JUDGE

May 21-23, 2014



DANIEL M. BREITKOPF, M.D.
ASSOCIATE PROFESSOR & OB/GYN RESIDENCY PROGRAM DIRECTOR
DEPARTMENT OF OBSTETRICS & GYNECOLOGY
MAYO CLINIC
ROCHESTER, MINNESOTA

The research of Daniel M. Breitkopf, M.D., focuses on novel methods for the diagnosis and treatment of abnormal uterine bleeding. Abnormal uterine bleeding is one of the most common problems for which women seek gynecologic care.

Additionally, Dr. Breitkopf studies new methods for incisionless tubal ligation. He also is working on improving the utility of diagnostic ultrasound in gynecology.

Focus areas:

- * Hysteroscopic tubal ligation, including novel methods for performing the procedure and confirming efficacy
- * Use of diagnostic ultrasound in women with adenomyosis, abnormal uterine bleeding and postmenopausal bleeding
- * Role of office hysteroscopy in obtaining endometrial biopsies
- * Minimally invasive methods for the treatment of abnormal uterine bleeding

Wednesday, May 21, 2014, Waialae Country Club

8:00 a.m. - 1:00 p.m., *"Hysteroscopy and Abnormal Uterine Bleeding: What's New?"*

Ob/Gyn Research Day Lecture

Participants: Faculty, Private Attending Physicians, Residents and Medical Students

Friday, May 23, 2014, Kapi`olani Medical Center for Women & Children, The Irene I`i Halau Auditorium

7:30 a.m. - 9:00 a.m., M&M Conference

9:30 a.m. - 11:30 a.m., Review & Advise: Ongoing 2nd Year Research Projects

Participants: Ob/Gyn Residents

1:00 p.m. - 2:00 p.m. Kapi`olani Medical Center for Women & Children. Room 815

Fellows Lecture

Topic: "Mentorships and Career Development"

Participants: Family Planning and Maternal Fetal Medicine Fellows

PAST RESEARCH DAY GUEST SPEAKERS

- 2013 **Aaron B. Caughey, M.D., M.P.A., M.P.H., Ph.D.**, Professor and Chair, Department of Obstetrics & Gynecology, Oregon Health & Science University, Portland, Oregon, "*The Cesarean Epidemic: Etiologies, Outcomes, & Potential Solutions*"
- 2012 **Deborah A. Wing, M.D.**, Professor of Clinical Obstetrics & Gynecology, Director, Division of Maternal-Fetal Medicine & Director, Maternal-Fetal Medicine Fellowship, University of California, Irvine, "*Updates in Cervical Ripening and Labor Induction*"
- 2011 **Andrew Berchuck, M.D.**, Director of Gynecologic Cancer Research, Professor of Gynecologic Oncology, Department of Obstetrics and Gynecology, and is Co-Director of the Duke Comprehensive Cancer Center Breast/Ovarian Cancer Program, Duke University Medical Center, Durham, North Carolina, "*Prospects for Individualized Treatment and Prevention of Ovarian Cancer*"
- 2010 **Leo R. Brancazio, M.D., FACOG**, Vice Chair for Patient Safety & Quality and Associate Professor, Duke University Department of Obstetrics and Gynecology, Duke University Medical Center, Durham, North Carolina, Medical Director at Duke University Hospital Labor and Delivery, Durham, North Carolina, "*The Ideal Cesarean Section Rate*"
- 2009 **Ruth Word, M.D., FACOG**, Professor of Obstetrics and Gynecology & Director, Urogynecology Research and the Human Biologic Fluid and Tissue Acquisition Core Laboratory, University of Texas Southwestern Medical Center, Dallas, Texas, "*New Insights into the Pathophysiology of Pelvic Organ Prolapse*"
- 2008 **Charles W. Weems, Ph.D.** Professor of Animal Science, CTAHR Animal Reproduction Research Laboratory, College of Tropical Agriculture and Human Resources, Department of Human Nutrition, Food & Animal Science, University of Hawaii, "*Establishment of Pregnancy*"
- 2007 **Robert Taylor, M.D., Ph.D.** Professor, and Vice Chair for Research, Department of Gynecology and Obstetrics, and Professor, Department of Cell Biology, Emory University School of Medicine, "*Cellular and Molecular Pathophysiology of Preeclampsia*"
- 2006 **Professor Warwick Giles, MB, BS(NSW), FRACOG, Ph.D(Syd.) DDU.CMFM** Conjoint Professor, The University of Newcastle, Callaghan, NSW, Australia and Director, John Hunter Hospital, Newcastle NSW, Australia, "*Fibronectin and other Markers of Preterm Delivery*"
James M. Roberts, M.D. Senior Scientist and Director, Magee-Women's Research Institute, Professor and Vice Chair (Research), Obstetrics, Gynecology and Reproductive Sciences, University of Pittsburgh, "*Whither Toxaemia*"
- 2005 **Robert B. Jaffe, M.D., M.S.** Fred Gellert Endowed Chair in Reproductive Medicine & Biology, University of California, San Francisco, "*Angiogenesis and Ovarian Cancer*"
- 2004 **Diana W. Bianchi, M.D.** Chief of the Division of Genetics in the Department of Pediatrics at Tufts-New England Medical Center, Natalie V. Zucker Professor of Pediatrics and Obstetrics and Gynecology "*Circulating Fetal Nucleic Acids in Maternal Blood: Origin and Diagnostic Applications*"
- 2003 **Roy M. Pitkin, M.D.** Former Editor, *Obstetrics and Gynecology: Clinical Obstetrics and Gynecology*, Emeritus Professor and Chairman of Obstetrics and Gynecology, University of California, Los Angeles School of Medicine, "*Obstetric-Gynecologic Research, 1953 - 2002*"
- 2002 **James R. Scott, M.D.** Professor, University of Utah, Department of Obstetrics and Gynecology, Editor of *Obstetrics & Gynecology*, Co-Editor of *Clinical Obstetrics and Gynecology*, "*Pregnancy in Transplant Patients*"
- 2001 **William Droegemueller, M.D.** Clinical Professor and Chairman Emeritus, University of North Carolina, Department of Obstetrics and Gynecology, Associate Editor of *Obstetrics and Gynecology*, "*Don't Look Back...Someone is Gaining on You, A Discussion of Mentoring*"
- 2000 **Robert Israel, M.D.** Chief of Gynecology, University of Southern California, Department of Obstetrics and Gynecology, Associate Editor of *Obstetrics and Gynecology*, "*Endometriosis: A Continuing Conundrum*"
- 1999 **David A. Grimes, M.D.** Vice President of Biomedical Affairs Family Health International, Associate Editor, *Obstetrical and Gynecological Survey, Contraception*. Former Professor and Vice-Chairman, Department of Obstetrics, Gynecology and Reproductive Sciences, University of California, San Francisco, "*Evidence-based Medicine in Obstetrics and Gynecology: the Paradigm for the Next Century*"
- 1998 **Roy M. Pitkin, M.D.** Editor, *Obstetrics and Gynecology*, Editor, *Clinical Obstetrics and Gynecology*, Former Professor & Chairman of Obstetrics & Gynecology, University of California, Los Angeles School of Medicine, "*The Peer Review System in Medical Publishing*"
- 1997 **John T. Queenan, M.D.** Professor and Chairman of Obstetrics and Gynecology, Georgetown University School of Medicine & Chief of Georgetown University Hospital since 1980, Editor-in-Chief of *Contemporary Obstetrics and Gynecology*
- 1996 **Moon Kim, M.D.** Richard L. Neiling Chair, Professor & Vice-Chairman of Obstetrics and Gynecology, Ohio State University, University Medical Center, Associate Editor, *The American Journal of Obstetrics and Gynecology*, "*Fertility and Environment*"

PAST RESEARCH DAY AWARD RECIPIENTS

Most Outstanding Award

- 2013 **Jaimie M. Johnson, M.D.** *“Men’s Attitudes, Beliefs, & Roles in Pregnancy & Childbirth: An Ethnographic Study in Nepal”*
Scott A. Harvey, M.D., M.S. *“Choice of Effective Contraception Among Native Hawaiian Women”*

Audience Choice Award

- 2013 **Lynne Y. Saito-Tom, M.D., M.S.** *“Intrauterine Device Use in Overweight and Obese Women”*

Best Overall Research Project Award

- 2012 **Justin C. Bohrer, M.D.** *“Obstetrical Outcomes in Patients with Low-lying Placenta in the Second Trimester”*
2011 **Judy A. Honegger, D.O.** *“Rates of Elective Induction Between 34 0/7-38 6/7 Weeks Gestation at Kapiolani Medical Center for Women and Children”*
2010 **Pai-Jong Stacy Tsai, M.D., M.P.H.** *“Racial Differences in Perineal Body Length in First Stage of Labor”*
2009 **Shera L.C. Sugibayashi, M.D.** *“Effectiveness of Examining Amniotic Fluid Arborization in Diagnosing PPROM in Early Pregnancies”*

Most Potential to Impact Clinical Practice Award

- 2012 **Maxine Karimoto, M.D.** *“Improving HPV and Pap co-testing screening rates for women 30 years and older in the Kapi`olani Women’s Obstetrics and Gynecology Outpatient Clinic”*
2011 **Kassondra S. Grzankowski, M.D.** *“Microsatellite Instability in Endometrial Cancer in Patients with HNPCC”*
2010 **Celeste S. Adrian, M.D.** *“Assessment of the Accuracy of Information Regarding Emergency Contraception on the Internet”*
2009 **Karen A. Soules, M.D.** *“Does Cell Phone-Bluetooth Technology for the Outpatient Management of Diabetes in Pregnancy Improve Patient Compliance and Satisfaction when Compared with Traditional Methods of Blood Sugar Reporting?”*

Best Study Design Award

- 2011 **Lauren Millet, M.D.** *“Rates of Bacteriuria in Laboring Women with Epidural Analgesia-Continuous vs. Intermittent Bladder Catheterization”*
2010 **Pai-Jong Stacy Tsai, M.D., M.P.H.** *“Racial Differences in Perineal Body Length in First Stage of Labor”*
2009 **Maria G. Barrett, M.D.** *“Knowledge and Misconceptions of Intrauterine Devices in Adolescent Patients”*

First Place Award

- 2008 **Chrystie K. Fujimoto, M.D.** *“The Effect of Methamphetamine Use on the Placenta”*
2007 **Aya Sultan, M.D., Ph.D.** *“Association of Ovarian Cancer and Atypical Endometriosis”*
2006 **Reina M. Ahern, M.D.** *“Knowledge and Attitudes of Emergency Contraception in Hawaii’s Adolescents”*
Renee L. Sato, M.D. *“Antepartum Seafood Consumption and Mercury Levels in Newborn Cord Blood”*
2005 **Reni A. Y. Soon, M.D.** *“Comparison of Active Phase and Second Stage of Labor in Adolescents and Adults”*
2004 **Scott D. Eaton, M.D.** *“EKG Changes Occuring with Magnesium Administration for Preterm Labor”*
2003 **Sapna M. Janas, M.D.** *“Rate of Complication from Third Trimester Amniocentesis Performed at the Fetal Diagnostic Center”*
2002 **Ian A. Oyama, M.D.** *“Local Anesthetic for use in Colposcopic Biopsies”*
Melissa J. Lawrence, M.D. *“Impact of Fetal Fibronectin Testing at Kapi`olani Medical Center”*
2001 **Seema Sidhu, M.D.** *“Randomized, Double-Blind Trial of Rectal Misoprostol Versus Oxytocin in Management of the Third Stage of Labor”*
2000 **Deborah D. Geary, M.D.** *“TDx Surfactant/Albumin Ratio and Lamellar Body Count: Effect of Blood and Meconium Contaminants on Fetal Lung Maturity Assays”*
1999 **Steven M. Nishi, M.D.** *“Sample Adequacy of Endocervical Curettage (ECC) Compared with Endocervical Brush”*
1998 **Julie Ann Henriksen, M.D.** *“Nitric Oxide in the Human Placenta”*
1997 **Cheryl Leialoha, M.D.** *“Uriscreen, a Rapid Enzymatic Urine Screening Test for the Detection of Bacteriuria in Pregnancy”*
1996 **Christine Brody, M.D.** *“Vaginal Birth After Cesarean Section in Hawaii: Experience at Kapi`olani Medical Center for Women and Children”*

RESEARCH DAY PROGRAM

Wednesday, May 21, 2014

8:00 a.m. *Registration and Continental Breakfast*

8:30 a.m. *Welcome Remarks by Ivica Zalud, M.D., Ph.D., Chair*

8:40 a.m. *Greetings by Mariana Gerschenson, Ph.D.*

8:45 a.m. *Recognize Juding Panel, Fellow Moderators and Resident's Presentation Rules
by Bliss Kaneshiro, M.D., M.P.H., Director of Resident Research*

8:50 a.m. *Introduction of Residents by Autumn Broady, M.D., M.P.H. and Reni Soon, M.D., M.P.H.*

TIME PRESENTER

ABSTRACT

8:55 a.m. *Michelle C. Tsai, M.D.*

Oxidative Stress and Compensatory Anti-Inflammatory Mechanisms in the Placentas of Gravid Marijuana Smokers

9:10 a.m. *Stephen S. Sung, M.D.*

Improving Human Papillomavirus (HPV) Vaccination in the Postpartum Setting

9:25 a.m. *Katie K. McGuire, M.D.*

Immediate versus Delayed Insertion of the Levonorgestrel Intrauterine Device in Postpartum Teens: A Prospective Randomized Pilot Study

9:40 a.m. *Rosie M. Monardo, M.D.*

Birth Plans at Kapi`olani: Helpful or Harmful? Does a Birth Plan Enhance Patient Satisfaction with their Birth Experience?

9:55 a.m. *Vijaytha Rathnam, M.D.*

Identifying the Patient at Risk for Surgical Site Infections and Disruptions

10:00 a.m. *Introduction of P.J. Stacy Tsai, M.D., M.P.H. by Dena Towner, M.D.*

10:05 a.m. *P.J. Stacy Tsai, M.D., M.P.H.*

Systemic and Placental Leptin and Its Receptors in Pregnancies Associated with Obesity

10:25 a.m. *Reni Soon, M.D., M.P.H.*

“Don’t Water Down the Poi”: Understanding Pregnancy Intention and Contraceptive Decision-Making Among Native Hawaiians

10:40 a.m. *Introduction of Daniel M. Breitkopf, M.D. by Mark Hiraoka, M.D., M.S., Program Director*

10:45 a.m. *“Hysteroscopy and Abnormal Uterine Bleeding: What’s New?” by Daniel M. Breitkopf, M.D.*

11:45 a.m. *Buffet Lunch and Judges’ Deliberations*

2014 JUDGING PANEL:



*Daniel M. Breitkopf, M.D.
Associate Professor and
Ob/Gyn Residency Program Director
Department of Obstetrics & Gynecology
Mayo Clinic
Rochester, Minnesota*



*Dena Towner, M.D.
Professor
Maternal Fetal Medicine
Department of Obstetrics & Gynecology
John A. Burns School of Medicine
University of Hawaii
Honolulu, Hawaii*



*Jennifer Elia, M.P.H.
Junior Researcher
Department of Obstetrics & Gynecology
John A. Burns School of Medicine
University of Hawaii
Honolulu, Hawaii*

12:30 p.m. *Awards Presentation - Daniel M. Breitkopf, M.D. and Bliss Kaneshiro, M.D., M.P.H.
Award for “Most Outstanding Resident Research Project” and Award for “Audience Choice”*

12:45 p.m. *Closing*

Michelle Christina Tsai, M.D.

*University of Hawai`i John A. Burns School of Medicine, Honolulu, Hawai`i
Residency Honors/Awards:*

** 2013 Medical Student Teaching Award, PGY2*

*Virginia Commonwealth University School of Medicine
Richmond, Virginia*

Honors/Awards:

- * 2007- 2011 The Joseph Collins Foundation Scholarship
- Recognizes medical students' dedication to the arts and other
cultural pursuits outside the field of medicine*
- * 2009-2011 Dean's Merit Scholarship*
- * 2009-2011 Commonwealth Award in Medicine*

*B.A. English, University of California, Berkeley
Berkeley, California*

Language Fluency (other than English): Mandarin Chinese

*Hobbies & Interests: Classical piano, classical violin, voice, show choir, a cappella, ballet, hip-hop,
dancing, medieval literature, foodie, traveling*

Place of Birth: Kansas City, Missouri

Medical Interests: Placental pathology, education

Future Plans Upon Graduation: Generalist Obstetrics and Gynecology practice

*Research Experience: Review Paper Co-Author 09/2010 John Pierce, Jr., M.D. Virginia Commonwealth
University, Richmond, Virginia*

Wrote a review paper on intravenous fluid management in the standard laboring patient.

*Premedical Intern 10/2005-03/2006 Jana Paradiso University of California, San Francisco, San Francisco,
California*

*Assisted with a clinical research study concerning California's Proposition 4, the ballot initiative that would
have required parental notification from the physician at least 48 hours prior to performing an elective abortion
on an unemancipated minor.*

Premedical Intern 05/2004-09/2004 Jeffrey Day Pfizer Incorporated, Arcadia, California

*Interviewed patients at a cardiology group practice and reviewed patient charts to collect both qualitative and
quantitative data regarding the use of rosuvastatin and atorvastatin.*



Oxidative Stress and Compensatory Anti-Inflammatory Mechanisms in the Placentas of Gravid Marijuana Smokers

Michelle C. Tsai, M.D.; Matthew Loichinger, D.O.; Trica Wright, M.D., M.S.

Objective: To assess differences in placental oxidative stress (Klotho) and compensatory anti-inflammatory mechanisms (Sirtuin 1, or SIRT-1) between gravid marijuana smokers and normal gravid controls.

Design: Prospective cohort study.

Materials and Methods: This study examined the effects of marijuana use on the placenta. The control group (N= 10) included women with uncomplicated pregnancies and normal term deliveries. The study group (N = 9) included women with documented marijuana use in pregnancy without tobacco use in addition to the same inclusion criteria as the control group. Klotho and SIRT-1 expression were assessed to evaluate for oxidative stress as a primary outcome while birth weight served as a secondary outcome. After Institutional Review Board approval was obtained, patient recruitment was based on history at the time of admission to Kapi`olani Medical Center for Women and Children labor and delivery for either term vaginal delivery or cesarean section. Full-thickness 1x1 centimeter blocks of placental tissue were collected immediately after delivery, flash frozen on dry ice and stored at -80°C. Tissues were later fixed in formalin for immunohistochemical analysis utilizing Klotho (Santa Cruz) and SIRT-1 (Sigma-Aldrich). Quantitation of antibody immunostaining was performed with Nuance and Inform software (Perkin-Elmer). Results were expressed as mean optical density (OD) and statistical significance was set at $p < 0.05$. A Student's T-Test was utilized to determine statistical significance using the statistical program R.

Results: There was no significant difference in Klotho expression between the control and study groups ($p=0.41$) or between positive urine toxicology for THC on admission versus control group ($p=0.22$). There was also no significant difference in SIRT-1 expression in the vascular endothelium ($p=0.3$) or syncytiotrophoblast ($p=0.42$) between the study and control groups. No significant difference in SIRT-1 expression was noted between positive urine toxicology for THC on admission versus control group ($p=0.52$ syncytiotrophoblast; $p=0.43$ endothelium). However, a statistically significant difference was found in birth weight between the two groups. On average babies born to mothers who smoke marijuana weighed 477g (1.05lbs) less than babies born to normal control mothers ($p=0.01$).

Conclusions: There was no significant difference found between placental oxidative stress (Klotho) and compensatory anti-inflammatory mechanisms (SIRT-1) between gravid term marijuana smokers and normal gravid controls. However, birth weights of term infants born to mothers who smoked marijuana during pregnancy were significantly less than those born to normal control mothers.

Support: Tricia Wright, M.D., M.S.; University of Hawai`i Department of Obstetrics, Gynecology and Women's Health Pilot Research Program

Acknowledgements: Gillian Bryant-Greenwood, Ph.D.; Sandy Yamamoto; University of Hawai`i Obstetrics, Gynecology residents for recruitment of study subjects

Stephen S. Sung, M.D.

*University of Hawai`i, John A. Burns School of Medicine
Honolulu, Hawai`i*

*B.S. Electrical Engineering University of Hawai`i at Manoa, Honolulu, Hawaii
Honors/Awards:*

** University of Hawai`i Regent Scholar*

Language Fluency (other than English): Intermediate fluency in Japanese

Hobbies & Interests: Tennis, photography

Place of Birth: Honolulu, Hawai`i

Medical Interests: Generalist Obstetrics and Gynecology

Future Plans Upon Graduation: Stay in Hawai`i and be a Generalist Ob/Gyn

*Publications/Presentations: Hiraoka, M., Davis, J., Kim, D., **Sung S.** (2011, October). Faculty and Resident Perceptions Regarding Overnight Student Call During the Third Year 08/GYN Clerkship. Poster presented at: District VII, VIII, IX and XI Annual District Meeting of the American College of Obstetricians and Gynecologists; Wailea, HI.*

Sung, S., Sweet, J., Yoshida, M., Fern, B., Tam, E., Kuo, P. (2008, January). Allergic Asthma and Rhinitis in Hawaii from 1966 to 2006: Increased Sensitization to Indoor Allergens and Weed Pollen.. Poster presented at: Western Society of Allergy, Asthma, & Immunology, 46th Annual Scientific Session; Kailua-Kana, HI.



Improving Human Papillomavirus (HPV) Vaccination in the Postpartum Setting

Stephen S. Sung, M.D.; May Rose Dela Cruz, M.P.H.; Kurt Yoshino; Mark Hiraoka, M.D., M.C.R.; Reni Soon, M.D., M.P.H.

Objective: The HPV vaccine has been shown to be highly effective in preventing cervical cancer caused by HPV 16 or 18. Despite the recommendation for routine vaccination with the HPV vaccine by most medical organizations, uptake of this vaccine remains below public health targets. The primary objective of this study was to assess the effectiveness of an electronic medical record (EMR) prompt on HPV vaccination rates in the postpartum setting. Patient characteristics associated with the receipt of the HPV vaccine postpartum were also examined.

Study Design: A pre-post intervention study

Materials and Methods: All postpartum visits at the Kapiolani Women's and Children's OB/GYN outpatient clinic among women ages 18 to 26 from September 1, 2012 to March 31, 2014 were examined. In September 2013, a drop-down menu was inserted into the EMR postpartum note template regarding whether or not the HPV vaccine was administered at that visit, and, if not, the reason it was not given. HPV vaccination rates among eligible patients (i.e. those not reporting completion of the HPV vaccine series previously) were compared pre and post-intervention. The primary outcome, whether or not the vaccine was given, was compared using chi-square tests. Associations with patients' insurance, education, ethnic group, marital status, religion, and zip code were also analyzed using chi-square tests. A Mann Whitney U test compared the age between the pre- and post-intervention groups. All analyses were conducted using SPSS Mac version 21.

Results: Of the 278 postpartum visits among women 18-26 years during the study period, 241 of those visits were eligible for analysis. There was a significant increase ($p < .001$) of the HPV vaccine uptake in the clinic from the vaccine being administered in 1.2 % (2/173) of eligible visits pre-intervention to the HPV vaccine being administered in 26.5% (18/68) of eligible visits post-intervention. There were significant differences between the pre- and post-intervention groups in ethnicity, insurance, and English as a primary language. However, these were not significantly associated with the primary outcome. Of the 50 postpartum visits in which the vaccine was not given to an eligible patient, the vaccine was not discussed in 23 (46%) of the visits, the resident physician did not use the prompt in 7(14%) of the visits, and the patient refused the vaccine in 20(40%) of the visits.

Conclusion: An EMR prompt in the postpartum note is an effective way to increase HPV vaccination rates in the postpartum setting. However, there is room for improvement and it will likely take a combination of strategies to optimize vaccination rates.

Support: None

Acknowledgements: University of Hawai'i OB/GYN Residents, HPH Research Institute, Andrea Siu, Jerome Lee, Jonathan Rhoades

Katie Kristine McGuire, M.D.



University of Hawai`i John A. Burns School of Medicine, Honolulu, Hawai`i
Residency Honors/Awards:

- * 2014-2015 *Administrative Chief Resident*
- * 2013-2014 *Perinatal Improvement Committee Resident Representative*
- * 2013 *Clinical learning Environment Review Program Ob/Gyn Resident Representative*
- * 2013 *I-PASS Handoff Curriculum Resident Representative*

Ohio State University College of Medicine
Columbus, Ohio

Honors/Awards:

- * *Graduated Cum Laude*
- * 2010 *Pediatrics Clerkship Honors*
- * 2010 *Obstetrics & Gynecology Clerkship Honors*
- * 2009 *Letter of Commendation-Surgery Clerkship*
- * 2009 *Letter of Commendation-Radiology Selective*
- * 2009-2010 *Professionalism Scholarship: exemplary behavior in the areas of altruism, compassion, integrity, honesty, service, respect, responsibility and accountability*
- * 2008-2009 *Outstanding Academic Achievement Scholarship:*
- * 2007-2008 *Letter of Commendation: Med1 Integrated Pathway*

B.S. Biology/Anthropology, Chemistry Minor, Western Washington University Bellingham, Washington
Honors/Awards:

- * *Graduated Magna Cum Laude*
- * 2003-2005 *The National Society of Collegiate Scholars*
- * 2003-2004 *Western Washington University President's List*

Hobbies & Interests: Hiking/love the beauty of nature and how I can disconnect from the business of life; running, nia, road trips, volleyball-sand/indoor intramural teams

Place of Birth: Spokane, Washington

Medical Interests: Women's health, family planning, minimally invasive gynecologic surgery

Future plans upon graduation: Generalist Obstetrics and Gynecology in the Seattle area

Immediate versus Delayed Insertion of the Levonorgestrel Intrauterine Device in Postpartum Teens: A Prospective Randomized Pilot Study

Katie K. McGuire, M.D.; Reni Soon, M.D., M.P.H.; Jennifer Salcedo M.D., M.P.H., M.P.P.; Bliss Kaneshiro, M.D., M.P.H.

Objective: The purpose of this pilot study was to assess the feasibility of conducting a larger study to determine the proportion of teens who continue to use the levonorgestrel intrauterine device (LNG IUD) six months postpartum when it is placed after vaginal delivery (within 10 minutes after placental expulsion) versus four to six weeks postpartum. We sought to describe recruitment and attrition rates, satisfaction, expulsion, bleeding patterns, and breastfeeding in both groups.

Design: Prospective randomized pilot study

Materials and Methods: A prospective study was conducted at Kapi`olani Medical Center for Women and Children in pregnant teens (14 to 19 years) who planned to use a LNG IUD after delivery. Participants are randomized to insertion of the LNG IUD either 1) within 10 minutes of delivery of the placenta or 2) 4 to 6 weeks postpartum. We excluded patients with an allergy to the LNG IUD or any of its components, chlamydia or gonorrhea during pregnancy without a negative test-of-cure result, a uterine anomaly distorting the uterine cavity, current cervical cancer, desired repeat pregnancy within one year, plans to move from Oahu less than six months after delivery, cesarean delivery, delivery before 34 weeks, clinical diagnosis of chorioamnionitis, and precipitous delivery in which the provider was unable to be present within ten minutes of delivery of the placenta. In addition to routine prenatal visits, patients returned for study visits at 4 to 6 weeks, 10 to 12 weeks, and 6 months after delivery to determine expulsion, bleeding, cramping, sexual activity, breastfeeding, fever, pain and satisfaction. At the 4 to 6 week study visit, patients randomized to the delayed insertion group had the LNG IUD inserted. Any patient who experienced an expulsion during the 6 month study period was given the option of reinsertion and any patient who wanted the IUD removed was allowed to do so. A sample size of 30, 15 in each group, was estimated to describe recruitment, post-enrollment exclusion and attrition to determine the feasibility of a larger study.

Results: After 5 months of recruitment, nine teens were consented and enrolled. Four subjects were randomized and five subjects were excluded after they developed one of our post-enrollment exclusion criteria [chorioamnionitis (n = 2), unanticipated cesarean delivery (n =1), and voluntary withdrawal (n = 1)]. Three subjects were randomized to the postplacental LNG IUD group and one subject was randomized to the delayed insertion group. One expulsion occurred in the post placental group.

Conclusions: Though insertion of a LNG immediately after delivery may be an appropriate option for some teens, a larger prospective study comparing immediate to delayed LNG IUD insertion is unlikely to be feasible at our institution.

Support: University of Hawai`i Department of Obstetrics and Gynecology, University of Hawai`i Ryan LARC Program; Research reported in this abstract was supported by the National Institute on Minority Health and Health Disparities of the National Institutes of Health under award number U54MD008149

Acknowledgements: Research Assistants: Erin Yamamoto and Faapisa Soli, University of Hawai`i Residents and Faculty, Hawai`i Pacific Health Research Institute, Kapi`olani Medical Center for Women and Children Outpatient Clinic, Sarah Prager M.D., M.P.H. from the University of Washington.

Rosie Michaelena Monardo, M.D., M.M.S.



University of Hawai'i John A. Burns School of Medicine, Honolulu, Hawai'i

Residency Honors/Awards:

- * 2014-2015 *Administrative Chief*
- * 2013-2015 *ACOG Junior Fellow Hawaii Section Vice Chair and Chair*
- * 2013-2014 *Elected Graduate Medical Education Committee Member*
- * 2013 *PGY2 Resident Medical Student Teaching Award*
- * 2012 *Family Planning Award*

Albany Medical College, Albany, New York

Honors/Awards:

- * 2011 *Kenneth M. Archibold prize for Obstetrics Honors*
- * 2009 *Pathology Scholarship*
- * 2008 *Summer Research Fellowship*

M.M.S. Medical Science, Boston University, Boston, Massachusetts

Honors/Awards:

- * *Masters Degree Awarded with Honors*

B.A. Biology and Music, Brown University, Providence, Rhode Island

Honors/Awards:

- * 2003 *William Weston '43 Award for Music Composition*
- * 2002 *Undergraduate Research Teaching Assistantship*

Language Fluency (other than English): Basic French

Hobbies & Interests: Music composition, piano performance, marathon runner (completed two marathons while in medical school), reading and travel.

Place of Birth: Greenbrae, California

Medical Interests: Global health, women's health, family planning, gynecologic surgery

Future Plans Upon Graduation: General Obstetrics and Gynecology in Hawaii or California???

Research Experience: Research Assistant 06/2008-08/2008 Andrew Carlson, MD, Albany Medical College, New York
Collected data, analyzed histology slides looking for melanocyte expression of Cks-1 and possible correlations with known poor pathological prognostic markers.

Research Assistant 06/2006-07/2007 Emily Davidson, MD, Children's Hospital, Massachusetts
Organized and administered "Project Respite Care", an organization that taught college students how to care for children with disabilities. Expanded Project Respite Care to serve an in-patient population. Assisted Dr. Davidson with "Steps to Success", a program that promoted physical activity in children with Down Syndrome through ballet classes at Boston Ballet.

Research Assistant 06/2005-09/2005 Kaushal Shah, MD, St. Luke's Roosevelt Hospital, New York
Compiled articles on Botulism, assisted in writing a chapter on Botulism for an Emergency Medicine textbook.

Research Coordinator 06/2003-08/2005 Doris Germain, PhD, Mount Sinai School of Medicine, New York
Studied the Skp2B gene, an isoform of Skp2, and its role in breast cancer in both mouse and cell colonies. This included maintenance of three transgenic mouse colonies per IRB protocol, genotype testing through use of Southern Blot Electrophoresis, experiments on response of these colonies to tamoxifen, data analysis, managed lab supplies and EPA compliance.

Publications/presentations: Umanskaya K, Radke S, Chander H, **Monardo R**, Xu X, Pan ZQ, O'Connell MJ, Germain D. Skp2B Stimulates Mammary Gland Development by Inhibiting REA, the Repressor of the Estrogen Receptor. *Molecular and Cell Biology*. 2007 Nov; 27(21): 7615-7622. Cited in PubMed; PMID: PMC2169057.

Shah K., **Monardo RM**. (2006). Botulism. In R. Antosia, J.D. Cahill (Ed.), *Handbook of Bioterrorism and Disaster Medicine* (pp. 125-128). New York, NY: Springer.

Monardo RM. (2007, May 1). Behavior and Development Following Malnutrition Early in Life: A Meta Analysis. Master Thesis at Boston University.

Monardo RM. (2007, May 1). Behavior and Development Following Malnutrition Early in Life: A Meta Analysis. Master Thesis at Boston University.

Monardo, R., Aplin, A., Carlson, J.A. (2008, September). Cks1 Expression in Melanocytic Proliferations. Poster presented at: Medical Student Research Day, Albany, N.Y.

Current Academic Projects:

1. Ultrasound findings in pregnancies complicated by malaria in Cameroon
2. Birth Plans at Kapiolani Hospital for Women and Children
3. Case Study: Ectopic Pregnancy after Hysterectomy

Birth Plans at Kapi`olani: Helpful or Harmful? Does a Birth Plan Enhance Patient Satisfaction with their Birth Experience?

Rosie M. Monardo, M.D.; Bliss Kaneshiro, M.D., M.P.H.; Jennifer Lum, M.D.

Objective: To determine whether completing a standardized birth plan increased patient satisfaction with the birth experience.

Design: A pre-post intervention study

Materials and Methods: Pregnant women were recruited at Kapiolani Medical Center for Women and Children Outpatient Clinic after 24 weeks gestation. Patients were divided into two study groups, those who completed a standardized birth plan during antenatal care (birth plan group) and those who did not (control group). An educational packet explaining the different aspects of the birth plan was presented to birth plan patients during an antepartum visit. The birth plan described different choices regarding anesthesia, operative delivery, and interaction with the baby after delivery. Patients filled out the birth plan on their own, either at the clinic visit or at home, and reviewed the plan with their physician. Our primary outcome, satisfaction, was measured using a 10-cm visual analog scale (VAS). Secondary outcomes included patient assessment of communication and trust with the care team. Our sample size was based on detecting a 1.5 cm difference in VAS score between groups. We estimated the control group would have a satisfaction level of 8.0 (sd 2.5) and the birth plan group would have a satisfaction level of 9.5 or greater. Women were recruited in a 2:1 ratio (birth plan: control) and oversampled by 20% to account for drop out. Group sizes of 43 in the control group and 86 in the birth plan group achieved 80% power with a significance level of 0.05. Women were sequentially recruited, first into the control group, then into the birth plan group. Demographic variables were compared between groups. Our primary outcome, satisfaction was compared with a t-test.

Results: Of the 43 control patients who completed the pre-delivery survey, 17 have delivered and completed the post-delivery survey. In the pre-delivery survey, mean communication score was 9.1 (SD 1.7) and mean trust score was 9.2 (SD 0.8). After delivery, patients in the control group had a mean satisfaction score of 9.5 (SD 1.2). Post-delivery communication and trust scores were 9.8 (SD 0.3) and 9.7 (SD 0.3) respectively. Enrollment in the birth plan group has not started.

Conclusions: Participants who were not exposed to the birth plan have a high level of satisfaction with obstetric care.

Support: Research reported in this abstract was supported by the National Institute on Minority Health and Health Disparities of the National Institutes of Health under award number U54MD008149.

Acknowledgements: Andrea Siu, Gordon McLemore, M.D., Kim Nagamine, M.D., Kasey Kajiwaru, M.D., Nicole Chamoy, M.D., Jessica Johns, M.D., Cori-Ann Hirai, M.D., Lehua DeSilva, M.D., Clyner Antalan, M.D., Melissa Kuwahara, M.D., Holly Bullock, M.D., Nicole Scogin, M.D., Stephen Sung, M.D., Katie McGuire, M.D., Jaimie Johnson, M.D., Kristen Pennaz, Lei Biala, Lisa Zafranco, Jennifer Salcedo, M.D., M.P.H., M.P.P.

Vijaytha Rathnam, M.D.

Weill Cornell Medical College in Qatar

Doha, Qatar

** Accelerated Pre-medicine Program*

Language Fluency (other than English): Tamil, French, Basic Arabic

Hobbies & Interests: Bharatanatyam (Classical Indian Dance) and tennis

Place of Birth: Glendale, Arizona

Medical Interests: Minimally invasive surgery, international medicine

Future Plans Upon Graduation: Generalist Obstetrics and Gynecology. Travel and help underserved populations when I can.

Research Experience: Researcher 03/2010 Professor Badreldeen Ahmed, M.B., Ch.B., M.D.
Hamad Medical Corporation, Women's Hospital, Doha, Qatar

A retrospective analysis in which the objective is to determine the outcome of cases of severe IUGR referred to Feto-Maternal Medicine Unit in the Qatar patient population was done.

Researcher 03/2010 Professor Badreldeen Ahmed, M.B., Ch.B., M.D.
Hamad Medical Corporation, Women's Hospital, Doha, Qatar

A literature review and case report of rare cases of fetal abdominal mass in the Qatar patient population was done.

Researcher 02/2009-09/2010 Khaled Machaca, Ph.D. Weill Cornell Medical College, Doha, Qatar

A cellular physiology research project: "Regulation of the Store Operated Calcium Entry Channel by Phosphorylation".

Researcher 06/2007-08/2007 Tracy Stokol, Ph.D. Cornell University/Hughes, Scholars Program, Ithaca, New York

Investigated whether the FVI/a/TF complex induces MMP219 secretion in cancerous cells and whether FX is required for this to occur, gelatin zymography were carried out using the U20S cell line (Osteosarcoma). The preliminary data collected suggested that Tissue Factor may promote Osteosarcoma metastasis by inducing secretion of Matrix Metalloproteinases and /nter/eukin-8.



Identifying the Patient at Risk for Surgical Site Infections and Disruptions

Vijaytha Rathnam, M.D.; Tod Aeby, M.D., M.Ed.

Objective: To identify factors that offer a significant contribution to a patient's risk of developing a surgical site complication.

Design: A Retrospective Case-Control Study

Materials and Methods: The electronic medical records from the Kapiolani Medical Center for Women and Children were screened to identify all patients undergoing a cesarean section between July 1, 2011 and June 30, 2012. Calls were placed to those women as a discharge follow-up and trained nursing staff personnel identified all patients with a surgical site wound complication, using a standardized phone assessment. Our control group was created by identifying the patient who had a cesarean section immediately after the subject with a surgical site wound complication. A retrospective chart review was performed to collect data points for 56 separate demographic and clinical variables for each woman in the case and control groups of patients. A multiple logistic regression model was used to identify significant risk factors.

Results: A total of 25 patients had surgical site wound complications during the one-year study period and an additional 25 patients were identified as controls. Of the variables studied, only an increasing BMI (OR for BMI > 40 = 6.4688, 95% CI = 1.2303 – 34.0127, P = 0.0275) and the presence of a hypertensive disorder in the index pregnancy (OR= 7.6667, 95% CI =1.4699 – 39.9879, P = 0.0156), were shown to be significant risk factors for a surgical wound complication.

Conclusions: An elevated Body Mass Index and the presence of a hypertensive disorder appear to be a significant contribution to a person's likelihood of developing a surgical site complication following a cesarean Section.

Support: None

Acknowledgements: We would like to thank Ian Oyama, M.D., M.B.A., Urogynecology; Anne-Marie Savage, RNC, Family Birth Center; and Bridget Lai, Perinatal Nurse Educator for their significant help with this study.

Pai-Jong Stacy Tsai, M.D., M.P.H.

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Maternal Fetal Medicine Fellowship Honors/Awards:

- * 2013 and 2014 University of Hawaii, Biomedical Science Symposium, Best Research Project, Fellow Category University of Hawai'i
- * 2012 NIH-RMATRIX Post-Doctoral Fellow Research Award

University of Hawai'i, John A. Burns School of Medicine, Honolulu, Hawai'i

Residency Honors/Awards:

- * 2011 AAGL Award: Best Resident in Minimally Invasive Gynecology
- * 2010 Resident Research Day: Best Study Design and Best Overall Study Award
- * 2008 Excellence in Teaching Award

New York Medical College School of Medicine and New York Medical College School of Public Health

Honors/Awards:

- * 2006 Alpha Omega Alpha, Honorary Medical Society

B.A. American Studies, University of California at Berkeley

Hobbies & Interests: Scuba diving, running, cooking, baking

Place of Birth: Taipei, Taiwan

Medical Interests: Obesity in pregnancy, racial/ethnic disparity in women's health, hepatitis B in pregnancy

Future Plans upon Graduation: Joining the University of Hawai'i Obstetrics, Gynecology and Women's Health Department as Assistant Professor

Publications/Presentations: Tsai P, Davis J, Bryant-Greenwood G. Maternal and placental leptin in pregnancies associated with obesity. *Reproductive Sciences*. Accepted for publication May 2014.

Tsai P, Marshall N. Labor and delivery management of obese women (Review). *Journal of Women's Health Care*. Submitted Apr 2014.

Tsai P, Chang A, Yamada S, Bartholomew M. Use of tenofovir disoproxil fumarate for prevention of perinatal transmission of hepatitis B virus (HBV) infection in highly viremic pregnancy women: a case series. *Digestive Disease and Sciences*. Submitted Mar 2014.

deSilva L, Tsai P, Kon L, Hiraoka M, Kessel B, Seto T, Kaneshiro B. Third and fourth degree perineal injury after vaginal delivery: does race make a difference? *Hawaii J Med Public Health*. 2014 Mar;73(3):8-11.

Tsai P, Roberson E, Dye T. Gestational diabetes and macrosomia by race/ethnicity in Hawaii. *BMC Res Notes*. 2013;6:395.

Tsai P, Wong S, Zalud I. Ultrasound education in obstetrics and gynecology: Hawaii experience. *Hawaii J Med Public Health*. 2013 May;72(5):172-4.

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Tsai P, Nakashima L, Yamamoto J, Ngo L, Kaneshiro B. Postpartum follow-up rates before and after the postpartum follow-up initiative at Queen Emma Clinic. *Hawaii Medical Journal*. 2011 Mar;70(3) 56-9.

Tsai P, Chang A, Yamada S, Bartholomew M. Use of tenofovir disoproxil fumarate for prevention of perinatal transmission of hepatitis B virus (HBV) infection in highly viremic pregnancy women: a case series. Society for Maternal Fetal Medicine Annual Meeting, New Orleans, LA, Feb 2014 (oral presentation).

Tsai P, Davis J, Bryant-Greenwood G. Maternal and placental leptin in pregnancies associated with obesity. Society for Maternal Fetal Medicine Annual Meeting, New Orleans, LA, Feb 2014 (poster presentation).



Tsai P, Allen A, Aziz N, Caughey A. Cost effectiveness of antiviral therapies in the prevention of perinatal transmission of hepatitis B virus (HBV) in highly viremic women. Society for Maternal Fetal Medicine Annual Meeting, New Orleans, LA, Feb 2014 (poster presentation).

Tsai P, Roberson E, Dye T. Gestational diabetes and macrosomia by ethnicity in Hawaii. 61st Annual Clinical Meeting, American College of Obstetricians and Gynecologist, New Orleans, LA, May 2013 (poster presentation).

Tsai P, Bartholomew M, Dye T. Ethnic differences in VBAC rates in the United States. 61st Annual Clinical Meeting, American College of Obstetricians and Gynecologist, New Orleans, LA, May 2013 (poster presentation).

Rocha F, **Tsai P**, Zalud I, Dye T. Ethnic variation in gastroschisis and omphalocele in the United States. AIUM Annual Convention, Phoenix, AZ, April 2012 (oral presentation).

Tsai P, Oyama I, Hiraoka M, Minaglia S, Thomas J, Kaneshiro B. Racial differences in perineal body length in labor. 12th Research Centers in Minority Institutions International Symposium on Health Disparities, Tennessee, TN, December 2010 (poster presentation).

Vu L, **Tsai P**, Li L, DuN, Yang P. Breaking the Silence of Intimate Partner Violence in the Vietnamese and Chinese Immigrant Community. American Psychiatric Association Annual Meeting: Young Investigator Poster Session. San Francisco, CA, May 2003 (poster presentation).

Systemic and Placental Leptin and Its Receptors in Pregnancies Associated with Obesity ***Pai-Jong Stacy Tsai, M.D., M.P.H.; James Davis, Ph.D.; Gillian Bryant-Greenwood, Ph.D.***

Objective: To measure systemic and placental levels of leptin and leptin receptor relative to pre-pregnancy body mass index (BMI).

Design: Women with singleton pregnancies at term without pre-existing medical conditions were recruited for the study.

Materials and Methods: Maternal and cord blood plasma and placental tissue were collected at the time of pre-labor cesarean section. Plasma levels were measured by ELISA and immunohistochemistry was performed using specific polyclonal antibodies to leptin and leptin receptor. This was then quantitated using multispectral imaging (Nuance) and the Inform software (Perkin Elmer). The results were compared using regression models and Wilcoxon test.

Results: A total of 84 women (29 lean, 24 overweight and 31 obese) were recruited. Their mean age was 32 years, most were multiparous and of mixed race. We first established that maternal plasma leptin linearly increased with BMI, as levels of its soluble receptor linearly decreased ($P < 0.001$). Fetal leptin (cord blood) also increased with maternal BMI ($P < 0.02$), reflected in a significant increase in birth weight ($P = 0.006$), and was significantly higher in female compared to male infants ($P < 0.001$). In the placenta, both leptin and its trans-membrane receptor localized to the syncytiotrophoblast, suggesting autocrine/paracrine signaling, but neither showed any change with maternal BMI. Leptin was also localized to the villous vascular endothelial cells and was significantly higher in obese compared to lean women ($P = 0.043$) and would be likely to target the fetus and/or the cells of the villous stroma. The intra-villous macrophages also immunostained for the leptin receptor, suggesting that endothelial leptin can potentially increase the pro-inflammatory cytokines from these macrophages.

Conclusions: The relationship between maternal leptin and soluble leptin receptor with pre-pregnancy BMI is similar to that shown in obesity in the non-pregnant state. However, placental leptin and transmembrane leptin receptor appear to have a complex local autocrine/paracrine relationship.

Support: The research was supported by John A. Burns School of Medicine, University of Hawai'i, Department of Obstetrics, Gynecology, and Women's Health. Statistical analyses were supported in part by grants from the National Institute of Minority Health and Health Disparities (U54MD007584 and G12MD007601) and from the National Institutes of Health.

Reni Soon, M.D., M.P.H.



University of Hawai'i John A. Burns School of Medicine, Honolulu, Hawai'i
Faculty Honors/Awards:

- * 2011 Ob/Gyn chief resident teaching award, Department of OB/Gyn, University of Hawai'i
- * 2006 Excellence in Teaching Award, JABSOM, University of Hawai'i

University of Hawai'i John A. Burns School of Medicine, Honolulu, Hawai'i
Residency Honors/Awards:

- * 2005 1st Place Resident Research Project, Department of OB/Gyn, University of Hawai'i
- * 2005 Outstanding Junior Fellow Abstract, ACOG Annual District Meeting, San Antonio, TX

University of Hawai'i John A. Burns School of Medicine, Honolulu, Hawai'i
Honors/Awards:

- * 2001 Alpha Omega Alpha Honor Medical Society
- * 2001 Janet M. Glasgow Memorial Achievement Citation, American Medical Women's Association

B.A. Human Biology, Stanford University, Stanford, California

Hobbies & Interests: My kids realistically take up all my time, but I also enjoy hula, going to the symphony, and hope to re-start Hawaiian quilting

Place of Birth: Spokane, Washington

Medical Interests: Family planning, health disparities, Native Hawaiian and Pacific Islander health

Future plans upon graduation: Travel, cello lessons, read a good book, and rejoin University of Hawai'i faculty

Research Experience: Soon - PI 8/1/2013 – 6/30/2014 Society of Family Planning Research Fund Understanding pregnancy intention and contraceptive decision-making among Native Hawaiians A qualitative study exploring the concepts held by Native Hawaiians about pregnancy, pregnancy planning, and contraception in order to describe the context in which decisions regarding these topics are made.

Soon (Co-PI) 1/1/10 - 10/31/12 Institutional Support (SOEST/OVCGRE) The Effects of Methylmercury, Selenium, and Fatty Acids from Antepartum Seafood Consumption on Fetal Neurodevelopment A prospective study examining the consumption of seafood during pregnancy and the effects of the intake of methylmercury, selenium and fatty acids from that seafood on fetal and infant development.

Publications/Presentations: **Soon R**, Aeby T. A 25 year old women requesting emergency contraception. Chelmwow, Isaccs & Carroll: Acute Care & Emergency Gynecology: A Case-Based Approach (2014); Cambridge University Press, Shaftesbury Road, Cambridge CB2 8RU.

Chang A, **Soon R**, Kaneshiro B. The prevalence of gestational diabetes among Micronesians in Honolulu. *Hawaii Med J* 2010;69:4-6.

Soon R, Aeby T, Kaneshiro B. Cesarean scar dehiscence associated with intrauterine balloon tamponade Placement After a Second Trimester Dilation and Evacuation. *Hawaii Med J* 2011;70:137-8.

Woo GW, Thomas JM, **Soon R**, Kaneshiro B. Factors affecting sex education in the school system. *J Pediatr Adolesc Gynecol* 2011;24:142-146.

Barrett M, **Soon R**, Whitaker AK, Takekawa S, Kaneshiro B. Awareness and knowledge of the intrauterine device in adolescents. *J Pediatr Adolesc Gynecol* 2012;25:39-42.

Halm, BM, Lai JF, Pagano I, Cooney W, **Soon R**, Franke AA. Vitamin D Deficiency in Cord Plasma from Multiethnic Subjects Living in the Tropics. *J Am Coll Nutr*, 2013;32(4): 215-223.

Franke AA, Lai JF, Morrison CM, Pagano I, Li X, Halm BM, **Soon R**, Custer LJ. Coenzyme Q10, carotenoid, tocopherol, and retinol levels in cord plasma from multiethnic subjects in Hawaii. *Free Radic Res*, 2013;47(9):757-768.

Soon R, Frattarelli L, Shaha S. "Comparison of the duration of the active phase of first stage and the second stage of labor in adolescents and adults." Oral presentation, ACOG District VII/VIII Annual District Meeting, 2005. 1st Place Outstanding Junior Fellow Abstract.

Chang A, **Soon R**, Kaneshiro B. "Prevalence of gestational diabetes among Micronesians in Hawaii." Abstract presentation, 13th annual Pacific Basin Medical Association Annual Conference, Federated States of Micronesia, 2008 August 18-20.

Woo GW, Thomas JM, Soon R, Kaneshiro B. "Factors affecting sexual health education in the school system." Poster presentation, American College of Obstetricians and Gynecologists Annual Clinical Meeting, 2010 May 15-19; San Francisco, CA.

Kaneshiro B, Barrett M, Takekawa S, Soon R. "Knowledge of intrauterine devices in a diverse adolescent population." Poster presentation, 12th RCMI International Symposium on Health Disparities; 2010 Dec 6-9; Nashville, TN.

Gilman CL, Seale LA, Seyedali A, Soon R, Berry MJ. "P2-67 assessment of selenoprotein expression in human placentas and correlation with selenium, mercury and fish consumption." Poster presentation, Endocrine Society 93rd Annual Meeting, 2011, Boston, MA.

Soon R, Dye T, Ralston NV, Berry MJ, Sauvage LM. "Seafood in pregnancy and mercury levels in umbilical cord blood." Poster presentation, Society for Maternal-Fetal Medicine Annual Meeting, February 2012, San Francisco, CA.

Saito-Tom L, Harris S, Soon R, Salcedo J, Kaneshiro B. "Intrauterine device use in overweight and obese women." Poster presentation, North American Forum on Family Planning; 2013 Oct 6-7; Seattle, WA.

"Don't Water Down the Poi": Understanding Pregnancy Intention and Contraceptive Decision-Making Among Native Hawaiians

Reni Soon, M.D., M.P.H.; Jennifer Elia, M.P.H.; Nina Beckwith, M.Ed.T., Bliss Kaneshiro, M.D., M.P.H., Timothy Dye, Ph.D.

Objectives: By current measures of unintended pregnancy, Native Hawaiians have the highest rate of unintended pregnancy in Hawai'i. While qualitative studies in other ethnic groups have shown that interpersonal, socio-economic, cultural, and political factors can affect pregnancy intention, pregnancy ambivalence, and ultimately use of contraception, no studies describe these concepts among Native Hawaiians. The objectives of the study are to: 1) Describe attitudes and ideas about contraception, pregnancy, and pregnancy intention among Native Hawaiians; 2) Examine the perceived impact of unintended pregnancy and pregnancy ambivalence in the Native Hawaiian community; 3) Describe self-reported factors that influence contraception use or non-use among Native Hawaiians.

Methods: Applying community-engaged research principles, we partnered with a federally qualified health center that serves a large population of Native Hawaiians and conducted a qualitative study to explore concepts held by Native Hawaiians regarding pregnancy, pregnancy planning, and contraception. The first phase of the project involved ten key informant interviews that were analyzed by identifying themes and patterns using content analysis. These results informed the second phase of the project, which included eight focus groups with Native Hawaiian men and women over 18 years old and forty individual interviews with Native Hawaiian women 18-49 years old.

Results: Presented here are key informant interview results. As they do in other groups, socioeconomic factors affect knowledge of and access to family planning services and influence individual life goals, which consequently impact how Hawaiians view pregnancy, pregnancy planning, and contraception. However, other themes emerged that center around core Hawaiian values of children and family. Ka lei hā'ule 'ole ke keiki (a lei that is never cast aside is one's child) is a Hawaiian proverb that conveys how pregnancy and children, whether planned or not, are highly valued. "Unplanned pregnancy" does not carry negative stigma and "unintended pregnancy" is not a term that resonates in the community. Raising children is a critical role, and it is through children that the family and the Hawaiian race continue. 'Ohana (families) tend to be large, extend beyond the nuclear family, and are not limited to biological ties. 'Ohana members support one another, and this support is perceived to lessen the burden of an unintended pregnancy. Participants described the expectation to continue an unplanned pregnancy due to each of these concepts.

Conclusion: The concepts of family and children serve as core values to Native Hawaiians and affect the context in which they view pregnancy and pregnancy planning.

Support: Society of Family Planning Research Fund

Acknowledgements: Fellowship in Family Planning, Wai'anae Coast Comprehensive Health Center (Community Advisory Group, Research Committee, Women's Health), Jennifer Salcedo M.D., M.P.H., M.P.P., Mary Tschann, M.P.H., RMATRIX.

**Recent Research Productivity of University of Hawaii Ob/Gyn
Faculty, Fellows, Residents, and Staff**

Publications, January 2013 - May 2014

1. Adrian C, Kim I, Chu V, **Kaneshiro B**. Accuracy of information on emergency contraception on the Internet. *J Reprod Med*. 2013 Jul-Aug;58(7-8):291-6. PMID: 23947078.
2. **Aeby TC**, **Wong S**, **Zalud I**. Current trends in obstetrics and gynecology ultrasound continuing medical education. *Donald J Ultrasound Obstet Gynecol*. 2014;8(1):60-64.
3. Baer R, Currier R, Norton M, Flessel M, Goldman S, **Towner D**, Jelliffe-Pawlowski L. Obstetric, Perinatal, and Fetal Outcomes in Pregnancies with False-Positive Integrated Screening Results. *Obstet Gynecol*. 2014 Mar;123(3):603-9. PMID: 24499760.
4. Bojesen SE, Pooley KA, Johnatty SE, Beesley J, Michailidou K, Tyrer JP, et al. (including **Carney ME**). Multiple independent variants at the TERT locus are associated with telomere length and risks of breast and ovarian cancer. *Nat Genet*. 2013 Apr;45(4):371-84. PMID: 23535731; PMCID: PMC3670748.
5. **Burlingame J**, Ohana P, **Aaronoff M**, Seto T. Noninvasive cardiac monitoring in pregnancy: impedance cardiography versus echocardiography. *J Perinatol*. 2013 Sept; 33(9):675-80. PMID: 23680787; PMCID: PMC3751992.
6. Cancer Genome Atlas Research Network, Kandoth C, Schultz N, Cherniack AD, Akbani R, Liu Y, Shen H, et al. (including **Carney ME**). Integrated genomic characterization of endometrial carcinoma. *Nature*. 2013 May 2; 497(7447):67-73. PMID: 23636398; PMCID: PMC3704730.
7. **Dye TD**. Transdisciplinary science and practice in action: the Maternal and Child Health Journal as shared space. *Matern Child Health J*. 2013 Jan;17(1):7-8. PMID: 23263892.
8. Faber MT, Kjaer SK, Dehlendorff C, Chang-Claude J, Andersen KK, Hogdall E, et al. (including **Carney ME**). Cigarette smoking and risk of ovarian cancer: a pooled analysis of 21 case-control studies. *Cancer Causes Control*. 2013 May;24(5):989-1004. Epub 2013 Mar 2. PMID: 23456270; PMCID: PMC3818570.
9. Franke AA, Lai JF, Morrison CM, Pagano I, Li X, Halm BM, **Soon R**, Custer LJ. Coenzyme Q10, carotenoid, tocopherol, and retinol levels in cord plasma from multiethnic subjects in Hawaii. *Free Radic Res*. 2013 Sep;47(9):757-768. PMID: 23829202.
10. Goh W, Bohrer J, **Zalud I**. Management of the adnexal mass in pregnancy. *Curr Opin Obstet Gynecol*. 2014 Apr;26(2):49-53. PMID: 24614018.
11. Goh W, Rincon M, Bohrer J, Tolosa JE, Sohaey R, Riaño R, Davis J, **Zalud I**. Persistent ovarian masses and pregnancy outcomes. *J Matern Fetal Neonatal Med*. 2013 Jul;26(11):1090-3. Epub 2013 Feb 21. PMID: 23356452.
12. Goh W, Yamamoto SY, Thompson KS, **Bryant-Greenwood GD**. Relaxin, its receptor (RXFP1) and insulin-like peptide 4 expression through gestation and in placenta accreta. *Reprod Sci*. 2013 Aug;20(8):968-980. Epub 2013 Jan 9. PMID: 23302396; PMCID: PMC3713646.
13. Halm, BM, Lai JF, Pagano I, Cooney W, **Soon R**, Franke AA. Vitamin D Deficiency in Cord Plasma from Multiethnic Subjects Living in the Tropics. *J Am Coll Nutr*. 2013;32(4): 215-223. PMID: 24024766; PMCID: PMC3983239.
14. **Hirai CA**, Bohrer J, **Minaglia S**. Rectal mesh erosion after robotic sacrocolpopexy. *J Fem Pelvic Med Recon Surg*. 2013 Sep-Oct; 19(5):298-300. PMID: 23982580.
15. **Hiraoka M**, **Kamikawa G**, **McCartin R**, **Kaneshiro B**. A pilot structured resident orientation curriculum improves the confidence of incoming first-year obstetrics and gynecology residents. *Hawaii J Med Public Health*. 2013 Nov;72(11): 387-390. PMID: 24251084; PMCID: PMC3831566.
16. Kelemen LE, Bandera EV, Terry KL, Rossing MA, Brinton LA, Doherty JA, et al. (including **Carney ME**). Recent alcohol consumption and risk of incident ovarian carcinoma: a pooled analysis of 5,342 cases and 10,358 controls from the Ovarian Cancer Association Consortium. *BMC Cancer*. 2013 Jan 22;13:28. PMID: 23339562; PMCID: PMC3568733.
17. Killeen JL, **Dye T**, Grace C, **Hiraoka M**. Improved abnormal pap smear triage using cervical cancer biomarkers. *J Low Genit Tract Dis*. 2014 Jan;18(1):1-7. PMID: 23760145.
18. Kojima G, **Terada K**, Miki N, Miki K. Non-islet cell tumor hypoglycemia associated with recurrent carcinosarcoma of the ovary. *Endocr Pract*. 2013 Jul;19(4):83-87. PMID: 23512392.
19. Kurjak A, Talic A, Honemeyer U, Stanojevic M, **Zalud I**. Comparison between antenatal neurodevelopmental test and fetal Doppler in the assessment of fetal well being. *J Perinat Med*. 2013 Jan;41(1):107-14. PMID: 23314515.
20. Li D, **Dye TD**. Power and stability properties of resampling-based multiple testing procedures with applications to gene

- oncology studies. *Comput Math Methods Med*. Epub 2013 Nov 20. PMID: 24348741; PMCID: PMC3853148.
21. **Minaglia S**. The process of efficiency. *J Fem Pelvic Med Recon Surg*. 2013 Jul-Aug;19(4):189-90. PMID: 23797514.
 22. **Minaglia S**. Vaginal trachelectomy following laparoscopic supracervical hysterectomy and sacrocervicopexy. *J Fem Pelvic Med Recon Surg*. 2014 Mar-Apr;20(2):116-18. PMID: 24566218.
 23. **Nagamine K, Terada KY**, Shimizu D, Tauchi-Nishi P. Ovarian needle biopsy: A study of 84 cases with cytologic-histologic correlation. *J Clin Oncol*. 2013 May;31(suppl; abstr e16501). (Publication-only abstract)
 24. Olsen CM, Nagle CM, Whiteman DC, Ness R, Pearce CL, Pike MC, et al. (including **Carney ME**). Obesity and risk of ovarian cancer subtypes: evidence from the Ovarian Cancer Association Consortium. *Endocr Relat Cancer*. 2013 Mar 22;20(2):251-262. PMID: 23404857; PMCID: PMC3857135.
 25. Pearce CL, Rossing MA, Lee AW, Ness RB, Webb PM, Chenevix-Trench G, et al. (including **Carney ME**). Combined and interactive effects of environmental and GWAS-identified risk factors in ovarian cancer. *Cancer Epidemiol Biomarkers Prev*. 2013 May;22(5):880-890. Epub 2013 Mar 5. PMID: 23462924; PMCID: PMC3963289.
 26. Pharoah PD, Tsai YY, Ramus SJ, Phelan CM, Goode EL, Lawrenson K, et al. (including **Carney ME**). GWAS meta-analysis and replication identifies three new susceptibility loci for ovarian cancer. *Net Genet*. 2013 Apr;45(4):362-70. PMID: 23535730; PMCID: PMC3693183.
 27. Rocha FG, Slavin TP, Li D, Tiirikainen MI, **Bryant-Greenwood GD**. Genetic associations of relaxin: preterm birth and premature rupture of fetal membranes. *Am J Obstet Gynecol*. 2013 Sep;209(3):258- 261. Epub 2013 May 10. PMID: 23727041; PMCID: PMC3758420.
 28. Rocha FG, **Zalud I, Dye T**. Ethnic variation of Gastroschisis and Omphalocele in the United States of America. *J Matern Fetal Neonatal Med*. Epub 2014 Jan 13. PMID: 24328604.
 29. **Salcedo J**, Rodriguez MI, Curtis KM, Kapp N. When can a woman resume or initiate contraception after taking emergency contraceptive pills? *Contraception*. 2013 May;87(5):602-4. Epub 2012 Sep 17. PMID: 22995538.
 30. **Salcedo J**, Sorensen A, Rodriguez MI. Cost analysis of immediate postabortal IUD insertion compared to planned IUD insertion at the time of abortion follow up. *Contraception*. 2013 Apr;87(4):404-8. Epub 2013 Jan 8. PMID: 23312934.
 31. Sieh W, Kobel M, Longacre TA, Bowtell DD, DeFazio A, Goodman MT, et al. (including **Carney ME**). Hormone-receptor expression and ovarian cancer survival: an Ovarian Tumor Tissue Analysis consortium study. *Lancet Oncol*. 2013 Aug;14(9):853-62. Epub 2013 Jul 9. PMID: 23845225.
 32. Tamura E, **Huang TTF**, Marikawa Y, Alarcon V. Impact of Vitrification on the Meiotic Spindle and Components of the microtubule organizing center in mouse mature oocytes. *Biol Reprod*. 2013 Nov 14; 89(5):112. PMID: 24025740.
 33. **Terada K**, Black M, Terada LH, Davis J, Shimizu DM. Survival of endometrial cancer patients with lymphatic invasion and deficient mismatch repair expression. *Gynecol Oncol*. 2013 Apr;129(1):188-192. PMID: 23385149.
 34. Terry KL, Karageorgi S, Shvetsov YB, Merritt MA, Lurie G, Thompson PJ, et al. (including **Carney ME**). Genital powder use and risk of ovarian cancer: a pooled analysis of 8,525 cases and 9,859 controls. *Cancer Prev Res (Phila)*. 2013 Aug;6(8):811-21. Epub 2013 Jun 12. PMID: 23761272; PMCID: PMC3766843.
 35. **Tsai PJS, Wong S, Zalud I**. Ultrasound education in Obstetrics and Gynecology: Hawai'i Experience. *Hawaii J Med Pub Health*. 2013 May; 72(5):172-74. PMID: 23795322; PMCID: PMC3689518.
 36. **de Silva K, Tsai S**, Kon LM, **Hiraoka M, Kessel B**, Seto T, **Kaneshiro, B**. Third and fourth degree perineal injury after vaginal delivery: Does race make a difference? *Hawaii J Med Pub Health*. 2014 Mar;73(3):80-3. PMID: 24660124; PMCID: PMC3962033.
 37. **Tsai P**, Roberson E, **Dye T**. Gestational diabetes and macrosomia by race/ethnicity in Hawaii. *BMC Res Notes*. 2013 Oct;6:395. PMID: 24083634; PMCID: PMC3849973.
 38. Wada RK, Glaser DW, O'Carroll Bantum E, Orimoto T, Steffen AD, **Elia JL**, Albright CL. Hawai'i's multiethnic adolescent and young adult survivors of childhood cancer: are their health behavior risks similar to state and national samples? *Hawaii J Med Public Health*. 2013 Nov;72(11):380-5. PMID: 24251083; PMCID: PMC3831565.
 39. Wong Ramsey KN, **Loichinger MH**, Slavin TP, Kuo S, Seaver LH. The perinatal presentation of cardiofaciocutaneous syndrome. *Am J Med Genet A*. Epub 2014 Apr 9. PMID: 24719372.
 40. **Yamasato K**, Casey D, **Kaneshiro B, Hiraoka M**. The impact of robotic surgery on hysterectomy trends: Implications for resident education. *J Minim Invasive Gynecol*. 2013 Oct 27. PMID: 24172026.

Selected Forthcoming Publications

1. Melo J, **Kaneshiro B**, **Kellett L**, **Hiraoka M**. The impact of a longitudinal curriculum on medical student obstetrics and gynecology clinical training. *Hawaii J Med Public Health*. Forthcoming 2014.
2. **Whitehouse K**, Montealegre J, Follen M, Scheurer M, Aagaard K. Sociodemographic factors associated with Pap test adherence and cervical dysplasia in surgically sterilized women. *J Reproduction and Infertility*. Forthcoming 2014.
3. **Yamasato K**, **Burlingame J**, **Kaneshiro B**. Hemodynamic effects of nifedipine tocolysis. *J Obstet Gynaecol Res*. Forthcoming 2014.
4. **Yamasato K**, **Kaneshiro B**, **Oyama IA**. A simulation comparing the cost effectiveness of adult incontinence products. *J Wound Ostomy Continence Nurs*. Forthcoming 2014.
5. **Yamasato K**, **Oyama I**, **Kaneshiro B**. Intraabdominal pressure with pelvic floor dysfunction: do postoperative restrictions make sense? *J Reprod Med*. Forthcoming 2014.

Presentations, January 2013 - May 2014

1. **Aeby TC**. Scholarly communication: Use of Synchronous Online Focus Groups as a Needs Assessment Tool. PowerPoint presented at: 18th Annual Technology, Colleges, and Community Worldwide Online Conference; 2013 April 16.
2. **Broady AJ**, Lam A, **Kajiwara K**, **Wright TE**, Fujimoto C, Tauchi-Nishi P. Effects of Methamphetamine Use on the Placenta. Poster presented at: American College of Obstetrics and Gynecology Annual Clinical Meeting; 2013 May 3-8; New Orleans, LA.
3. **Bugna J**, Collier E, **Brizzolara S**, Wright C. Determining Cell Surface Receptors and Subsequent Cell Signaling of the Uterosacral and Round Ligaments from Non-POP Hysterectomy Patients. Poster presented at: JABSOM Biomedical Symposium; 2014 Apr 3-4; Honolulu, HI.
4. **Burlingame J**, Ahn HJ, Chen J, Urschitz J. Genetic risk factors for preeclampsia. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2013 Feb 11-16; San Francisco, CA. *Am J of Obstet Gynecol*. 2013 Jan;208(1):S247.
5. **Burlingame J**, Ahn HJ, Seto T. Echocardiographic changes in maternal cardiac structure and function from the first trimester to 6 months postpartum. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2013 Feb 11-16; San Francisco, CA. *Am J Obstet Gynecol*. 2013 Jan;208(1):S98.
6. **Burlingame J**, Ahn HJ, Tang WHW. Changes in cardiovascular biomarkers throughout pregnancy and the remote postpartum period. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2013 Feb 11-16; San Francisco, CA. *Am J Obstet Gynecol*. 2013 Jan;208(1):S97.
7. **Chang A**, Hurwitz E, Miyamura J, **Kaneshiro B**, Sentell T. Perinatal outcomes among Pacific Islanders in Hawaii. Poster presented at: American Public Health Association 141st Annual Meeting and Exposition; 2013 Nov 2-6; Boston, MA.
8. Collier AC, Brittany L, Sato M, Milam KA, and **Wright TE**. Methamphetamine, Smoking, and Gestational Hypertension Affect Norepinephrine Levels in Umbilical Cord Vessels. Poster presented at: Society for Gynecologic Investigation Annual Scientific Meeting; 2014 Mar 26-29; Florence, Italy.
9. **Dye TD**, Wojtowyz M, Dozier A, **Kaneshiro B**, Bacchi D, Glantz C, **Towner D**. Should unwanted pregnancy be considered a high-risk perinatal condition? Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2013 Feb 11-16; San Francisco, CA. *Am J Obstet Gynecol*. 2013 Jan;208(1):S306.
10. **Gaspar-Oishi MA**, **Aeby T**. Analysis of the Efficacy of Sodium Hyaluronate-Carboxycellulose Barrier in Repeat Cesarean Deliveries. Donald F. Richardson Memorial Prize. Oral presentation at: American College of Obstetricians & Gynecologists Annual Clinical Meeting; 2014 Apr 27-29; Chicago, IL. *Obstet Gynecol*. 2014 May;123:4S.
11. **Gaspar-Oishi MA**, **Aeby T**. The Effect of Sodium hyaluronate-carboxycellulose membrane (Septrafilm®) on operative time in repeat cesarean section. Oral presentation at: American College of Obstetricians & Gynecologists Annual District Meeting for Districts V, VI, VIII, IX Meeting; 2013 Sept 26-28; Maui, HI.
12. Greenlee RT, Commings JM, Riley TL, Ragard LR, Black A, Hartge P, et al. (including **Kessel B**). Prevalence, Incidence, and Natural History of Complex Ovarian Cysts in a Cohort of Older Women. Poster presented at: American College of Epidemiology Annual Meeting; 2013 Sept 21-24; Louisville, KY. *Annals of Epidemiology*. 2013 Sept;23(9):586-587.
13. **Harris S**, Cheung T, **Hiraoka M**, Davis J, Tauchi-Nishi P. The Impact of the New ACOG Cervical Cancer Screening Guidelines for Adolescents: A 10-Year Retrospective Analysis. Poster presented at: American College of Obstetrics and Gynecology Annual Clinical Meeting; 2014 Apr 26-30; Chicago, IL.
14. **Hiraoka M**, **Kamikawa V**, **Kaneshiro B**. Obstetrics and Gynecology Faculty and Resident Utilization of Social

Networking Sites and Awareness of the Risks. Oral presentation at: Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting; 2013 Feb 27-Mar 2; Phoenix, AZ.

15. **Hiraoka M, Kamikawa V, Kaneshiro B.** The Effect of iPad Tablet Device Utilization on Compliance with Residency Program Requirements. Poster presented at: Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting; 2013 Feb 27-Mar 2; Phoenix, AZ.
16. **Hiraoka M, McCartin R, Kamikawa V, Kaneshiro B.** A Structured Resident Orientation Curriculum Improves the Confidence of Incoming First-Year Obstetrics and Gynecology Residents. Poster presented at: Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting; 2013 Feb 27-Mar 2; Phoenix, AZ.
17. **Johnson J, Kristensen S, Samen A, Craig S, Dye T.** Men's Attitudes, Beliefs, and Roles in Pregnancy and Childbirth: An Ethnographic Study in Nepal. Poster presented at: North American Forum on Family Planning; 2013 October 6-7; Seattle, WA.
18. **Kaneshiro B, Jensen JT, Edelman A, Pandhare J, Dash, CV.** Effect of oral contraceptives and doxycycline on endometrial levels of MMP-2 and MMP-9. Poster presented at: Conjoint Meeting of the International Federation of Fertility Societies and the American Society for Reproductive Medicine; 2013 Oct 12-17; Boston, MA. *Fertility and Sterility* 2013;100:3S.
19. **Loichinger M, Goh W, Bryant-Greenwood G.** Placental α -Klotho Across Normal Gestation. Poster presented at: JABSOM Biosciences Symposium; 2014 Apr 3-4; Honolulu, HI.
20. **Loichinger M, Kim T, Kuhlmann R, Peterson E.** Predictors of abdominal wall closure in neonates with gastroschisis. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2013 Feb 11-16; San Francisco CA. *Am J of Obstet Gynecol.* 2013 Jan;208(1):S189.
21. **Nagamine K, Cheung T, Hiraoka M, Shimizu D, Tauchi-Nishi P.** The Utility of Cell Blocks from SurePath Pap Tests in the Confirmation of High Grade Dysplasia. Poster presented at: American Society for Colposcopy and Cervical Pathology Biennial Scientific Meeting; 2014 April 9-12; Scottsdale, AZ.
22. **Palatnik A, Loichinger M, Kim T, Kuhlmann R, Peterson E.** The impact of delivery timing on neonatal outcomes of infants with gastroschisis. Poster presented at: Society of Maternal Fetal Medicine Annual Meeting; 2013 Feb 11-16; San Francisco, CA. *Am J Obstet Gynecol.* 2013 Jan;208(1):S178.
23. **Saito-Tom L, Harris S, Soon R, Salcedo J, Kaneshiro B.** Intrauterine Device Use in Overweight and Obese Women. Poster presented at: North American Forum on Family Planning; 2013 Oct 6-7; Seattle, WA.
24. **Saito-Tom L, Harris S, Soon R, Salcedo J, Kaneshiro B.** Intrauterine Device Use in Overweight and Obese Women. Poster presented at: American College of Obstetricians & Gynecologists Annual District Meeting; 2013 Sep 26-28; Maui, HI.
25. **Soon R, Dye T, Ralston NV, Berry MJ, Sauvage LM.** Seafood in pregnancy and mercury levels in umbilical cord blood. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2013 Feb 11-16; San Francisco, CA. *Am J Obstet Gynecol.* 2013 Jan;208(1):S349.
26. **Soon R, Dye T, Ralston NV, Berry MJ, Sauvage LM.** Seafood in pregnancy and mercury levels in umbilical cord blood. Poster presented at: JABSOM Biomedical Sciences Symposium; 2013 Apr 8-9; Honolulu, HI.
27. **Sridhar A, Salcedo J, Gipson J.** Abortion information in mobile health applications: what is out there? Poster presented at: National Abortion Federation 28th Annual Meeting; 2014 April; San Francisco, CA.
28. **Terada K, Black M, Davis J, Terada L, Shimizu D.** The effect of loss of mismatch repair gene expression on survival for patients with high risk endometrial cancer. Poster presented at: Annual Meeting of the Society of Gynecologic Oncology; 2013 Mar 9-12; Los Angeles, CA.
29. **Towner D, Yamasato K, Berry MJ, Li D.** Evaluation of a Maternal Metabolic Gene Array in Early Onset Preeclampsia in a Predominantly Asian Cohort. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2014 Feb 3-8; New Orleans, LA. *Am J Obstet Gynecol.* 2014 Jan;210(1):S151.
30. **Tsai P, Bartholomew L, Dye TDV.** Ethnic Variation in VBAC Rates in the United States. Poster presented at: 61st Annual Clinical Meeting of the American College of Obstetricians and Gynecologists; 2013 May 4-8; New Orleans, LA.
31. **Tsai P, Chang A, Yamada S, Bartholomew M.** Use of tenofovir disoproxil fumarate for prevention of perinatal transmission of hepatitis B virus (HBV) infection in highly viremic pregnancy women: a case series. Oral presentation at: Society for Maternal Fetal Medicine Annual Meeting; 2014 Feb 3-8; New Orleans, LA. *Am J Obstet Gynecol.* 2014 Jan;210(1):S16.

32. **Tsai P**, Robertson E, **Dye TDV**. Gestational Diabetes and Macrosomia by Ethnicity in Hawaii. Poster presented at: 61st Annual Clinical Meeting of the American College of Obstetricians and Gynecologists; 2013 May 4-8; New Orleans, LA.
33. **Tsai PJS**, Allen A, Aziz N, Caughey A. Cost-Effectiveness of Antiviral Therapies in the Prevention of Perinatal Transmission of Hepatitis B Virus (HBV) in Highly Viremic Women. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2014 Feb 3-8; New Orleans, LA. *Am J Obstet Gynecol*. 2014 Jan;210(1):S229-S230.
34. **Tsai PJS**, Davis J, **Bryant-Greenwood G**. Systemic and Placental Leptin and Leptin Receptor in Pregnancies Associated with Obesity. Poster presented at: JABSOM Biosciences Symposium; 2014 April 3-4; Honolulu, HI.
35. **Tsai PJS**, Davis J, **Bryant-Greenwood G**. Systemic and Placental Leptin and Leptin Receptor in Pregnancies Associated with Obesity. Poster presented at: Society for Maternal Fetal Medicine Annual Meeting; 2014 Feb 3-8; New Orleans, LA. *Am J Obstet Gynecol*. 2014 Jan;210(1):S370-S372.
36. Turner A, Rad S, **Yamasato K**, Williams J, Kim DS. Development and Implementation of a Structured Obstetrics Ultrasound Curriculum for Ob/Gyn Interns. Poster presented at: Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting; 2014 Feb 26-Mar 1; Atlanta, GA.
37. **Wright T**, Schuetter R, Sauvage L. Methamphetamines and Birth Outcomes. Poster presented at: 3rd Global Congress of Maternal and Infant Health; 2013 Nov 16-19; Buenos Aires, Argentina.
38. **Wright T**, Schuetter R, Sauvage L. Methamphetamines and Birth Outcomes. Poster presented at: American College of Obstetrics and Gynecology Annual Clinical Meeting; 2014 Apr 26-30; Chicago, IL.
39. **Wright T**, Schuetter R, Sauvage L. Methamphetamines and Birth Outcomes. Poster presented at: American Society of Addiction Medicine; 2014 Apr 10-13; Orlando, FL.
40. **Wright T**. Marijuana in Pregnancy. Oral presentation at: American Society of Addiction Medicine; 2014 Apr 10-13; Orlando, FL.
41. **Wright TE**. Implementation of a Harm-Reduction Model for Clinical Care of Substance-Using Pregnant Women It's a long and winding PATH... Oral presentation at: the American Psychological Association; 2013 Aug 2; Honolulu, HI.
42. **Yamasato K**, Duffy C, **Kaneshiro B**, **Hiraoka M**. The Impact of Robotic Surgery on Gynecologic Surgical Trends in Hawaii. Council on Resident Education in Obstetrics and Gynecology and the Association of Professors of Gynecology and Obstetrics Annual Meeting; 2013 Feb 27-Mar 2; Phoenix, AZ.
43. **Zalud I**. University OB/GYN chair's strategies to improve and sustain faculty academic productivity. Oral presentation at: CUCOG Annual Meeting; 2013 May; New Orleans, LA.

Selected Future Presentations

1. **Elia J**, **Soon R**, Hayes D, **Kaneshiro B**. Age as a determinant of contraceptive non-use: An examination of Hawai'i Title X data. Poster to be presented at: North American Forum on Family Planning; 2014 October 12-13; Miami, FL.
2. Guo M, Bermudo V, Kabua A, **Chang A**, Miyamura J, Sentell T. English Language Usage and Adverse Perinatal Outcomes in a Statewide Analysis. Poster to be presented at: Academy Health V Annual Research Meeting; 2014 June; San Diego, CA.
3. Guo M, Bermudo V, Kabua A, **Chang A**, Miyamura J, Sentell T. Key factors in women's decisions about where to give birth: Considering diverse perspectives to engage patients in quality reporting efforts. Poster to be presented at: Academy Health Annual Research Meeting; 2014 June; San Diego, CA.
4. Guo M, Bermudo V, Kabua A, **Chang A**, Miyamura J, Sentell T. Use of "Quality" in the Maternal Delivery Decision: Interviews with Asian American and Pacific Islander New Mothers. Poster to be presented at: Academy Health Annual Research Meeting; 2014 June; San Diego, CA.
5. Guo M, Bermudo V, Kabua A, **Chang A**, Miyamura J, Sentell T. Constraints and Satisfaction in the Maternal Delivery Decision: Opportunities for Consumer Use of Hospital Quality Information. Poster to be presented at: Academy Health Annual Research Meeting; 2014 June; San Diego, CA. at: North American Forum on Family Planning; 2014 October 12-13; Miami, FL.
6. Guo M, Bermudo V, Kabua A, **Chang A**, Miyamura J, Sentell T. Putting Opportunities for Public Hospital Quality Information in Context: The Decision Where to Give Birth. Poster to be presented at: Academy Health Annual Research Meeting; 2014 June; San Diego, CA.

7. **Kaneshiro B, Tschann M**, Jensen J, Bednarek P, Texiera R, Edelman A. Blood loss at the time of surgical abortion up to 14 weeks in anticoagulated women: a registry case series. Poster to be presented at: North American Forum on Family Planning; 2014 October 12-13; Miami, FL.
8. **Soon R, Elia J, Beckwith N, Kaneshiro B, Dye T**. Cultural factors affecting attitudes towards pregnancy and pregnancy planning among Native Hawaiians. Poster to be presented at: North American Forum on Family Planning; 2014 October 12-13; Miami, FL.
9. **Soon R, Elia J**, Hayes D, **Harvey S, Salcedo J, Kaneshiro B**. Highly effective contraception more likely among Native Hawaiian women than non-Hawaiian women at Title X clinics in Hawai'i. Poster to be presented at: North American Forum on Family Planning; 2014 October 12-13; Miami, FL.
10. **Tschann M**, Edelman A, Jensen J, Bednarek P, **Kaneshiro B**. A registry case series of surgical abortion with dilation and evacuation in anticoagulated women. Poster to be presented at: North American Forum on Family Planning; 2014 October 12-13; Miami, FL.
11. Vierkoetter K, Ayabe AR, VanDrunen M, Ahn HJ, Shimizu DM, **Terada K**. Loss of Mismatch Repair Gene Expression in Clear Cell and Endometrioid Ovarian Carcinoma. Poster to be presented at: American Society for Clinical Pathology Annual Meeting; 2014 October 8-11; Tampa, FL.

**Publications of Resident Research Projects
Organized by Year of Presentation at Departmental Research Day**

2012

Yamasato K, **Casey D**, Kaneshiro B, Hiraoka M. The impact of robotic surgery on hysterectomy trends: Implications for resident education. *J Minim Invasive Gynecol*. 2013 Oct 27. PMID: 24172026.

2011

Millet L, Shaha S, Bartholomew ML. Rates of bacteriuria in laboring women with epidural analgesia: continuous vs intermittent bladder catheterization. *Am J Obstet Gynecol*. 2012 Apr;206(4):316. Epub 2012 Feb 28. PMID: 22464071.

2010

Adrian C, Kim I, Chu V, Kaneshiro B. Accuracy of information on emergency contraception on the internet. *J Reprod Med*. 2013 Jul-Aug;58(7-8):291-6. PMID: 23947078

Tsai PJS, Oyama IA, Hiraoka M, Minaglia S, Thomas J, Kaneshiro B. Perineal body length among different racial groups in the first stage of labor. *Female Pelvic Med Reconstr Surg*. 2012 May-Jun;18(3):165-7. PMID: 22543769.

Woo GW, Soon R, Thomas JM, Kaneshiro B. Factors affecting sex education in the school system. *J Pediatr Adolesc Gynecol*. 2011 Jun;24(3):142-6. Epub 2011 Jan 26. PMID: 21269849.

2009

Barrett M, Soon R, Whitaker AK, Takekawa S, Kaneshiro B. Awareness and knowledge of the intrauterine device in adolescents. *J Pediatr Adolesc Gynecol*. 2012 Feb;25(1):39-42. Epub 2011 Nov 3. PMID: 22051791.

Tsai PJ, **Nakashima L**, Yamamoto J, Ngo L, Kaneshiro B. Postpartum follow-up rates before and after the postpartum follow-up initiative at Queen Emma Clinic. *Hawaii Med J*. 2011 Mar;70(3):56-9. PMID: 21365543; PMCID: PMC3071902.

Sugibayashi S, Aeby T, Kim D, Kaneshiro B. Amniotic fluid arborization in the diagnosis of previable preterm premature rupture of membranes. *J Reprod Med*. 2012 Mar-Apr;57(3-4):136-40. PMID: 22523873.

2008

Chang AL, Soon R, Kaneshiro B. The prevalence of gestational diabetes among Micronesians in Honolulu. *Hawaii Med J*. 2010 May;69(5 suppl 2):4-6. PMID: 21485586; PMCID: PMC3158439.

Yamasato K, Oyama I, Kaneshiro B. Intraabdominal pressure with pelvic floor dysfunction: do postoperative restrictions make sense? *J Reprod Med*. Forthcoming 2014.

2007

Lazenby GB, Fogelson NS, Aeby T. Impact of paracervical block on postabortion pain in patients undergoing abortion under general anesthesia. *Contraception*. 2009 Dec;80(6):578-82. Epub 2009 Jul 10. PMID: 19913154.

Grant R, Sueda A, Kaneshiro B. Expert opinion vs. patient perception of obstetrical outcomes in laboring women with birth plans. *J Reprod Med*. 2010 Jan-Feb;55(1-2):31-5. PMID: 20337205.

2006

Ahern R, Frattarelli LA, Delto J, Kaneshiro B. Knowledge and awareness of emergency contraception in adolescents. *J Pediatr Gynecol*. 2010 Oct;23(5):273-8. Epub 2010 May 31. PMID: 20537573.

Sato RL, Li GG, Shaha S. Antepartum seafood consumption and mercury levels in newborn cord blood. *Am J Obstet Gynecol*. 2006 Jun;194(6):1683-8. Epub 2006 Apr 25. PMID: 16635458.

2005

Kaneshiro B, Acoba J, Holzman, Wachi K, Carney Me. Effect of delivery route on natural history of cervical dysplasia. *Am J Obstet Gynecol*. 2005 May;192(5):1452-1454. PMID:15902135.

de Silva K, Tsai S, **Kon LM**, Hiraoka M, Kessel B, Seto T, Kaneshiro, B. Third and fourth degree perineal injury after vaginal delivery: Does race make a difference? *Hawaii J Med Pub Health*. 2014 Mar;73(3):80-3. PMID: 24660124; PMCID: PMC3962033.

Bunn MY, Higa NA, Parker WJ, Kaneshiro B. Domestic violence screening in pregnancy. *Hawaii Med J*. 2009 Nov;68(10):240-2. PMID: 19998694.

2003

Zalud I, **Sapna J**. Risks of third-trimester amniocentesis. *J Reprod Med*. 2008 Jan;53(1):45-8. PMID: 18251361.

2002

Oyama IA, Wakabayashi MT, Frattarelli LC, Kessel B. Local anesthetic reduces the pain of colposcopic biopsies: a randomized trial. *Am J Obstet Gynecol*. 2003 May;188(5):1164-5. PMID: 12748465.

Presentations of Resident Research Projects Organized by Year of Presentation at Departmental Research Day

2013

Johnson J, Kristensen S, Samen A, Craig S, Dye T. Men's Attitudes, Beliefs, and Roles in Pregnancy and Childbirth: An Ethnographic Study in Nepal. Poster presented at: North American Forum on Family Planning; 2013 October 6-7; Seattle, WA.

Saito-Tom L, Harris S, Soon R, Salcedo J, Kaneshiro B. Intrauterine Device Use in Overweight and Obese Women. Poster presented at: North American Forum on Family Planning; 2013 Oct 6-7; Seattle, WA.

2012

Bohrer J, Goh W, Hirai CA, Davis J, Zalud I. Obstetrical outcomes in patients with low-lying placenta in the second trimester. Society for Maternal Fetal Medicine Annual Meeting; 2012 Feb 6-12; Dallas, TX. *American journal of obstetrics and gynecology*. 2012 Jan;206(1):S69.

Gaspar-Oishi MA, Aeby T. Analysis of the Efficacy of Sodium Hyaluronate-Carboxycellulose Barrier in Repeat Cesarean Deliveries. Donald F. Richardson Memorial Prize. Oral presentation at: American College of Obstetricians & Gynecologists Annual Clinical Meeting; 2014 Apr 27-29; Chicago, IL. *Obstet Gynecol*. 2014 May;123:4S.

Gaspar-Oishi MA, Aeby T. The Effect of Sodium hyaluronate-carboxycellulose membrane (Septrafilm®) on operative time in repeat cesarean section. Oral presentation at: American College of Obstetricians & Gynecologists Annual District Meeting for Districts V, VI, VIII, IX Meeting; 2013 Sept 26-28; Maui, HI.

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2011

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2008

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Fujimoto C, Killeen J, Wright T. The effects of methamphetamine use on the placenta. Society of Maternal Fetal Medicine Annual Meeting; 2009 Jan 26; San Diego, CA. *American J of Obstet Gynecol.* 2008 Dec;199(6):S111.
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2006

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Sato R, Li G, Shaha S. Antepartum Seafood Consumption and Mercury Levels in Newborn Cord Blood. Poster presented at: Pacific Coast OBGYN Society 72nd Annual Meeting; 2005 Sep 28-Oct 2. **Ted Adams Award**
Ueda S, Killeen J, Carney M, Shaha S. Utility of Clinical Tumor Markers to Identify Patients with High Risk Cervical Dysplasia and Cancer; 2006 May 25.
Willey A, Davis J, Kim D. Risk Factors Associated with Striae Gravidarum. American College of Obstetricians and Gynecologists Annual Clinical Meeting; 2007 May 5-9; San Diego, CA.

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Kaneshiro B. Effect of delivery route on the natural history of cervical dysplasia. American College of Obstetricians and Gynecologists District VI, VIII, XI Annual Meeting. 2004 Sep 17-19; Salt Lake City, UT.
Soon R, Frattarelli L, Shaha S. Comparison of the duration of the active phase of first stage and second stage of labor in adolescents and adults. American College of Obstetricians and Gynecologists District VII, VIII Annual Meeting. 2005.
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Publications of Fellow Research Projects

Organized by Year of Presentation at Departmental Research Day

2013

Rocha FG, Slavin TP, Li D, Tiirikainen MI, Bryant-Greenwood GD. Genetic associations of relaxin: preterm birth and premature rupture of fetal membranes. *Am J Obstet Gynecol.* 2013 Sep;209(3):258-261. Epub 2013 May 10. PMID: 23727041; PMCID: PMC3758420.

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Presentations of Fellow Research Projects

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2014

Tsai PJS, Davis J, Bryant-Greenwood G. Systemic and Placental Leptin and Leptin Receptor in Pregnancies Associated with Obesity. Poster presented at: JABSOM Biosciences Symposium; 2014 April 3-4; Honolulu, HI.
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Rocha F, Slavin T, Li D, Yamamoto S, Bryant-Greenwood G. Genetic suseptibility to preterm birth in the Filipino population in Hawaii. Poster Presented at the 33rd Annual SMFM The Pregnancy Meeting, February 2013, San Francisco, CA.

2012

Goh W, Yamamoto S, Thompson K, Bryant-Greenwood G. Expression of Relaxin (RLN) and its receptor (RXFP1) in Placenta Accreta. Poster Presented at the 32nd Annual SMFM The Pregnancy Meeting, February 2012, Dallas, TX.

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