

# Women's Health Research Newsletter

Fall 2024 Newsletter

## Welcome to the TPMG

### Women's Health Research Newsletter!

The purpose of this newsletter is to highlight present current or recently completed research at KPNC that is relevant to women's health clinicians and to provide updated information on upcoming research forums and opportunities.

Conducting research to improve care is important to many KPNC TPMG clinicians and DARE is proud to support our physician's ability to do research through several DARE funding mechanisms.

Join the **Women's Health Research Collaborative Quarterly meetings** to learn about ongoing Women's Health Research in KPNC, available funding mechanisms and strategies for how to be successful in making research part of your career at KPNC. Email [NCALWHResearchSteeringCommittee@kp.org](mailto:NCALWHResearchSteeringCommittee@kp.org) for dates and more information



## A Deeper Look Inside This Update:

- Research Highlight
- Upcoming meetings & funding
- Active and recent research projects
- Recent peer reviewed publications

## Research Highlight:

### Original Research

#### GYNECOLOGY

### Ovarian cancer risk among older patients with stable adnexal masses

Elizabeth J. Suh-Burgmann, MD; Yun-Yi Hung, PhD; Julie A. Schmittiel, PhD

#### AJOG at a Glance

##### Why was this study conducted?

Few studies have evaluated cancer risk among older patients with stable adnexal masses in community-based settings.

##### Key findings

Among 4061 patients aged  $\geq 50$  years whose adnexal masses demonstrated stability on ultrasound for  $\geq 6$  weeks, 11 cancers were found, with a risk of 0.27%, with the risk declining further with longer demonstrated duration of stability. Among 1142 patients whose masses were stable for  $> 12$  months, no cancer cases were observed.

##### What does this add to what is known?

Our findings suggest that the risk of cancer is very low among older women whose masses demonstrate stability on ultrasound. After 12 months, the benefit of ultrasound monitoring seems to be minimal and may be outweighed by potential risks of repeated imaging.

# Society Meetings 2025

## **2025 ACOG Annual Clinical & Scientific Meeting (ACSM)**

**Dates:** 05/16/2025 - 05/18/2025

**Location:** Minneapolis MN

**For more information:**

<https://annualmeeting.acog.org/>

## **North American Menopause Society (NAMS)**

**Dates:** 10/22/25 - 10/25/25

**Location:** Orlando FL

**For more information:**

<https://menopause.org/annual-meetings/future-meetings>

## **Society of Gynecologic Oncology (SGO) Annual Meeting**

**Dates:** 03/14/25 - 03/17/25

**Location:** Seattle WA

**For more information:**

<https://www.sgo.org/events/annual-meeting/>

## **Society for Maternal-Fetal Medicine (SFMF) Pregnancy Meeting**

**Dates:** 01/27/25 - 02/01/25

**Location:** Denver CO

**For more**

**information:** <https://perinatalresearchsociety.org/2025-smfm-annual-pregnancy-meeting/>

## **American Urogynecologic Society (AUGS)**

**Dates:** 04/26/25 - 04/27/25

**Location:** Nashville TN

**For more information:** [AUGS Clinical Meeting - Courses and Events | AUGS](#)

## Internal Funding & Research Resources



**General Funding Opportunities**



**Delivery Science and Applied Research**



**Specialty Research Networks**



**Getting Started with Research**



**Division of Research**

## Announcements

The funding cycle for Community Health Research Grants starts in January, to apply for funding starting the following January 1. Please go to the Central Research Committee website for more information ([CRC Home](#)) and talk to your Local Research Chair (list is on the website) for how to apply. This is a great way to get started in clinical research within KP!

### **Congratulations to the following individuals who were recently awarded Community Health grants on Women's Health related topics for 2025:**

- Justine Chang: "Comparing the effectiveness of centralized vs individual provider-based management of antepartum iron deficiency anemia
- Margaret Hower: Evaluating the use of nitrous oxide analgesia to improve endometrial sampling
- Minita Patel: The effect of post-operative weight changes on outcomes of mid-urethral sling for stress urinary incontinence
- Neha Sudol: Assessing health inequities in overactive bladder medication prescribing
- David Vinson: Outpatient Management of Pregnancy-associated Pulmonary embolism
- Yeyi Zhu: Hyperglycemia, diabetes disorders and glycemic control in pregnancy and risk of neurodevelopmental disorders in the offspring

## Active Research Projects and Collaborations

### OB/GYN Active Projects:

**A non-randomized prospective clinical trial comparing the non-inferiority of salpingectomy to salpingo-oophorectomy to reduce the risk of ovarian cancer in BRCA 1 carriers**

Christine Garica, Ramey Littell | Other | Ongoing

**An observational cohort to assess background rates of maternal, fetal, neonatal, and infant outcomes and events of interest (EIs) to inform maternal immunization clinical**

## **trials**

Nicola Klein | GSK | Ongoing

## **Blood pressure, Obesity, and diabetes in Relation to Perinatal and Postpartum Complications**

Yeyi Zhu | NIH | Ongoing

## **Cannabis Use Among Pregnant Women with Psychiatric and Substance Use Disorders**

Kelly Young-Wolff, Amy Conway, Deborah Ansley | NIH | Ongoing

## **Cervical cancer in elderly**

Ramey Littell | Other | Ongoing

## **Cervical cancer minimally invasive surgery predictors of recurrence**

Ramey Littell | Other | Ongoing

## **Characterization of outcomes associated with mismatch repair deficiency analysis in women with endometrial cancer**

Betty Suh-Burgmann | CH | Ongoing

## **Characterizing the development of cardiovascular disease in women after adverse pregnancy outcomes.**

Victoria Woo | CH | Ongoing

## **Characterizing uterine fibroid diagnosis and treatment in Asian and Pacific Islander patients**

Susanna Mitro | CH | Ongoing

## **Comparison of Preimplantation and prenatal genetic testing**

Nikhil Joshi | Other | Ongoing

## **D&E vs IOL for medically indicated abortion**

Crystal Goldsmith | Other | Ongoing

## **Detection of ovarian cancer by uterine lavage biomarkers**

Christine Garcia | NIH | Ongoing

## **Determining the modifying role of prenatal psychological distress on the association between gestational diabetes mellitus and early childhood obesity**

Alicia Peterson | CH | Ongoing

## **Effectiveness of Adacel Vaccination in Pregnancy in Preventing Infant Pertussis**

Nicola Klein | Sanofi | Ongoing

## **Establishment of Group B streptococcal immunologic endpoints reasonably likely to predict clinical benefit against invasive disease among young infants: a multi-state case-control study**

Kristi VanWinden | Other | Ongoing

## **Evaluating patient engagement in "KP Connected Pregnancy Care" and its association with utilization and perinatal outcomes**

Mara Greenberg, Monique Hedderson | DSGP | Ongoing

## **Evaluation of the EmbrACE Intervention for Adults with a History of Adverse Childhood Experiences**

Kathryn Erickson-Ridout, Lyndsay Avalos | DSGP | Ongoing

## **Fertility preservation in women with hereditary risk for gynecologic malignancies**

Christine Garcia | Other | Ongoing

## **Gender Affirming Chest Surgery and Hysterectomy in Transmasculine Patients: Concomitant Versus Separate Surgeries**

Eve Zaritsky | Other | Ongoing

## **Gestational Diabetes Screening: Are Changes in Recommended Timing Associate with Perinatal Outcomes?**

Assiamira Ferrara, Mara Greenberg | DSGP | Ongoing

## **Healthcare Utilization and Complication Rate of Immediate vs 6-week Postpartum IUD Placement**

Margaret Howe | Other | Ongoing

## **HPV self-collection**

Betty Suh-Burgmann | PRP | Ongoing

## **Identifying Postpartum Needs of Patients with Perinatal Substance Use and Early Start Program Engagement**

Tara Foti, Kelly Young-Wolff, Amy Conway, Deb Ansley | Other | Ongoing

**Impact of in utero marijuana exposure on neurodevelopment, behavior and mental health: A Longitudinal Birth Cohort Study**

Lyndsay Avalos, Kelly Young-Wolff, Nancy Goler | NIH | Ongoing

**K23: Impact of gestational SARS-CoV-2 and maternal inflammation on child growth and neurodevelopment in a malaria-endemic setting**

Karen Jacobson, Nicola Klein | NIH | Ongoing

**mHealth Mindfulness Intervention for Pregnant Black and Latina Women at Risk for Postpartum Depression**

Ai Kubo, Lyndsay Avalos | Other | Ongoing

**Non-surgical Management of Lower Urinary Tract Symptoms (LUTS) in Cervical Cancer Survivors Undergoing Primary Radiation Therapy, 2010-2020**

Christine Garcia, Carrie Jung | Other | Ongoing

**Outcomes following preimplantation genetic testing**

Nikhil Joshi | Other | Ongoing

**Post-licensure Database Surveillance Study to Assess the Safety of Flublok Quadrivalent (Influenza Vaccine) in Pregnant Women and Their Offspring**

Nicola Klein | Pfizer | Ongoing

**Postpartum IUDs**

Crystal Goldsmith | Other | Ongoing

**Racial Ethnic Disparities in glycemic control among women with gestational diabetes: A multi-racial pregnancy cohort study**

Yeyi Zhu | Other | Ongoing

**Remote Blood Pressure Monitoring During Pregnancy: Patient Characteristics and Clinical Impacts**

Mary Reed, Mara Greenberg | CH | Ongoing

**Serious endometrial cancer outcomes**

Ramey Littell | Other | Ongoing

**Somatic tumor testing in patients with newly diagnosed non-mucinous epithelial ovarian cancer**

Christine Garcia | Other | Ongoing

**Strategies to obtain family history**

Bethan Powell | PCORI | Ongoing

**Strategies to Tailor Existing Interventions for Depression During Pregnancy**

Kathryn Erickson-Ridout | PRP | Ongoing

**Survival in HPV and non-HPV related cervical cancer**

Christine Garcia | Other | Ongoing

**The utility of Bishop scores for late term inductions**

Nikhil Joshi | Other | Ongoing

**Utilization of risk reduction strategies in patients with Lynch syndrome**

Christine Garcia | Other | Ongoing

**Women's and Children's Health DOR active projects:**

**A Phase 1, Open-Label Dose-Finding Study To Evaluate Safety, Tolerability, And Immunogenicity And Phase 2/3 Placebo-Controlled, Observer-Blinded Safety, Tolerability, And Immunogenicity Study Of A Sars-Cov-2 Rna Vaccine Candidate Against Covid-19 In H**

Nicola Klein | Pfizer | Ongoing

**A Prospective Observational Study to Evaluate the Safety of COVID-19 Vaccination in Children and Adolescents**

Nicola Klein | CDC | Ongoing

**An observational cohort to assess background rates of maternal, fetal, neonatal, and infant outcomes and events of interest (EIs) to inform maternal immunization clinical trials**

Nicola Klein | GSK | Ongoing



**Assessing the Impact of Cannabis Legalization on Adolescent Cannabis Use and Cannabis-Related Health Conditions**

Kelly Young-Wolff | NIH | Ongoing

**Blood pressure, Obesity, and diabetes in Relation to Perinatal and Postpartum Complications**

Yeyi Zhu | NIH | Ongoing

**Cannabis Use Among Pregnant Women with Psychiatric and Substance Use Disorders**

Kelly Young-Wolff, Amy Conway, Deborah Ansley | NIH | Ongoing

**Comparing the Effects of Prenatal Depression and its Treatment on Developmental Outcomes of the Offspring**

Lyndsay Avalos | Other | Ongoing

**Comparison of Preimplantation and prenatal genetic testing**

Nikhil Joshi | Other | Ongoing

**Determining the modifying role of prenatal psychological distress on the association between gestational diabetes mellitus and early childhood obesity**

Alicia Peterson | CH | Ongoing

**Effectiveness of Adacel Vaccination in Pregnancy in Preventing Infant Pertussis**

Nicola Klein | Sanofi | Ongoing

**Evaluating patient engagement in "KP Connected Pregnancy Care" and its association with utilization and perinatal outcomes**

Mara Greenberg, Monique Hedderson | DSGP | Ongoing

**Gestational Diabetes Screening: Are Changes in Recommended Timing Associate with Perinatal Outcomes?**

Assiamira Ferrara, Mara Greenberg | DSGP | Ongoing

**GSK72\_79 205419 Safety and Immunogenicity Study of GSK Meningococcal Group B Vaccine Bexsero (GSK3536829A) when Administered Concomitantly with GSK Meningococcal MenACWY Conjugate Vaccine Menveo (GSK3536820A) to Healthy Subjects 16-18 Years of Age**

Nicola Klein | Other | Ongoing

**Identifying Postpartum Needs of Patients with Perinatal Substance Use and Early Start Program Engagement**

Tara Foti, Kelly Young-Wolff, Amy Conway, Deb Ansley | Other | Ongoing

**Impact of in utero marijuana exposure on neurodevelopment, behavior and mental health: A Longitudinal Birth Cohort Study**

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**Post-licensure Database Surveillance Study to Assess the Safety of Flublok Quadrivalent (Influenza Vaccine) in Pregnant Women and Their Offspring**

Nicola Klein | Pfizer | Ongoing

**Racial Ethnic Disparities in glycemic control among women with gestational diabetes: A multi-racial pregnancy cohort study**

Yeyi Zhu | Other | Ongoing

**SUNRISE R01 DK122087: Optimizing a Scalable Intervention to Maximize Guidelinerecommended Diabetes Testing after GDM**

Ferrera, Brown | NIH | Ongoing

**VSD: Risk of Immune Thrombocytopenia and Immunoglobulin A Vasculitis after Receiving Measles-containing Vaccines in 4 - 6-year-old children**

Ousseny Zerbo | Other | Ongoing

**VSD: Vaccination coverage in school-age children pre and post pandemic for COVID-19 and other recommended childhood vaccines**

Kristin Goddard, Nicola Klein | Other | Ongoing

# Recent Peer Reviewed Women's & Children's Health / OBGYN Authored Publications between Jan - June 2024

## **Obstetrics**

**Hydroxychloroquine and Preeclampsia in a Diverse Cohort of Women with SLE** [[PubMed Abstract](#)] Kuo, Daniel; Hedderson, Monique M; Liu, Emily F | 6/26/2024 | Arthritis Care & Research

**Sonographic Predictors of Antepartum Bleeding in Placenta Previa** [[PubMed Abstract](#)] Smith, Devin D | 6/1/2024 | American Journal Of Perinatology

**Construction of a comprehensive fetal monitoring database for the study of perinatal hypoxic ischemic encephalopathy** [[PubMed Abstract](#)] Forquer, Heather; Gerstley, Lawrence D; Kuzniewicz, Michael W | 6/1/2024 | Methodsx

**Maternal education prospectively predicts child neurocognitive function: An environmental influences on child health outcomes study** [[PubMed Abstract](#)] Ferrara, Assiamira | 6/1/2024 | Developmental Psychology

**Group Multimodal Prenatal Care and Postpartum Outcomes** [[PubMed Abstract](#)] Gomez Chavez, Lizeth; Sinclair, Fiona; Stark, Joanna D; Avalos, Lyndsay A; Gunderson, Erica P; Kurtovich, Elaine M; Oberman, Nina; Quesenberry, Charles P | 5/1/2024 | JAMA Network Open

**Association of Adverse Childhood Experiences and Resilience With Depression and Anxiety During Pregnancy** [[PubMed Abstract](#)] Watson, Carey R; Alexeeff, Stacey; Avalos, Lyndsay A; Campbell, Cynthia I; Eaton, Abigail; Erickson-Ridout, Kathryn K; Young-Wolff, Kelly C | 5/1/2024 | Obstetrics And Gynecology

**Reproductive Health Care in Adolescents with Autism and Other Developmental Disabilities** [[PubMed Abstract](#)] Cronbach, Emily J; Vallerie, Amy M; Ames, Jennifer L; Anderson, Meredith; Lee, Catherine | 5/1/2024 | American Journal Of Obstetrics And Gynecology

**Racial, Ethnic, and Geographic Differences in Vaginal Birth After Cesarean Delivery in the US, 2011-2021** [[PubMed Abstract](#)] Chehab, Rana; Ferrara, Assiamira; Greenberg, Mara B; Ngo, Amanda L; Wang, Emily Z; Zhu, Yeyi | 5/1/2024 | JAMA Network Open

**Group Multimodal Prenatal Care and Postpartum Outcomes** [[PubMed Abstract](#)] Gomez Chavez, Lizeth; Sinclair, Fiona; Stark, Joanna D; Avalos, Lyndsay A; Gunderson, Erica P; Kurtovich, Elaine M; Oberman, Nina; Quesenberry, Charles P | 5/1/2024 | JAMA Network Open

**Birth outcomes in relation to neighborhood food access and individual food insecurity during pregnancy in the Environmental Influences on Child Health Outcomes (ECHO)-wide cohort study** [[PubMed Abstract](#)] Chehab, Rana; Ferrara, Assiamira; Zhu, Yeyi | 5/1/2024 | The American Journal Of Clinical Nutrition

**Bridging Differences in Cohort Analyses of the Relationship between Secondhand Smoke Exposure during Pregnancy and Birth Weight: The Transportability Framework in the ECHO Program** [[PubMed Abstract](#)] Ferrara, Assiamira | 5/1/2024 | Environmental Health Perspectives

**Intentions to Use Cannabis Postpartum: A Qualitative Study of Pregnant Individuals Who Used Cannabis During Early Pregnancy** [[PubMed Abstract](#)] Ansley, Deborah R; Foti, Tara R; Goler, Nancy; Adams, Sara R; Altschuler, Andrea; Does, Monique; Iturralde, Estibaliz M; Jackson Morris, Melanie J; Young-Wolff, Kelly C | 4/1/2024 | Journal Of Women'S Health (2002)

**Race and Place Matter: Inequity in Prenatal Care for Reservation-Dwelling American Indian People** [[PubMed Abstract](#)] Palacios, Janelle | 3/27/2024 | Journal Of Health And Social Behavior

**Implementation and Evaluation of Adverse Childhood Experiences Screening in Pediatrics and Obstetrics Settings** [[PubMed Abstract](#)] Watson, Carey R; Young-Wolff, Kelly C | 3/15/2024 | The Permanente Journal

**The Effect of an Oxytocin Decision Support Checklist on Oxytocin Use and Maternal and Neonatal Outcomes: A Retrospective Cohort Study** [[PubMed Abstract](#)] Mohta, Vanitha; Palacios, Janelle; Raine-Bennett, Tina R; Tucker, Lue-Yen S | 2/29/2024 | American Journal Of Perinatology

**Association Between Neighborhood Deprivation in Early Pregnancy and Gestational Diabetes Mellitus** [[PubMed Abstract](#)] Ferrara, Assiamira; Greenberg, Mara B; Liu, Emily F; Sridhar, Sneha | 2/1/2024 | Obstetrics And Gynecology

**Risk of postpartum readmission after hypertensive disorder of pregnancy and variation by discharge antihypertensive medication prescription** [[PubMed Abstract](#)] Baker, Jennifer M; Forquer, Heather; Greenberg, Mara B; Kuzniewicz, Michael W; Mitro, Susanna D; Xu, Fei | 1/25/2024 | American Journal Of Obstetrics And Gynecology

**Inflammatory Conditions During Pregnancy and Risk of Autism and Other Neurodevelopmental Disorders** [[PubMed Abstract](#)] Alexeeff, Stacey; Ames, Jennifer L; Gunderson, Erica P; Qian, Ying | 1/1/2024 | Biological Psychiatry Global Open Science

**Altered cytokine and chemokine profile linked to autoantibody and pathogen reactivity in mothers of autistic children** [[PubMed Abstract](#)] Croen, Lisa A; Yoshida, Cathleen K | 1/1/2024 | Frontiers In Psychiatry

**Prevalence of maternal hyperglycemic subtypes by race/ethnicity and associations between these subtypes with adverse pregnancy outcomes: Findings from a large retrospective multi-ethnic cohort in the United States** [[PubMed Abstract](#)] Zhu, Yeyi | 3/1/2024 | Diabetes Research And Clinical Practice

**Mixture of air pollution, brominated flame retardants, polychlorinated biphenyls, per- and polyfluoroalkyl substances, and organochlorine pesticides in relation to vitamin D concentrations in pregnancy** [[PubMed Abstract](#)] Ames, Jennifer L | 1/1/2024 | Environmental Pollution (Barking, Essex : 1987)

**Associations of Organophosphate Ester Flame Retardant Exposures during Pregnancy with Gestational Duration and Fetal Growth: The Environmental influences on Child Health Outcomes (ECHO) Program** [[PubMed Abstract](#)] Ames, Jennifer L; Ferrara, Assiamira; Zhu, Yeyi | 1/1/2024 | Environmental Health Perspectives

**Prenatal Exposure to Nonpersistent Environmental Chemicals and Postpartum Depression** [[PubMed Abstract](#)] Avalos, Lyndsay A; Ferrara, Assiamira | 1/1/2024 | JAMA Psychiatry

**Maternal Pre-Pregnancy BMI, Breastfeeding, and Child BMI** [[PubMed Abstract](#)] Ferrara, Assiamira; Zhu, Yeyi | 1/1/2024 | Pediatrics

**Behavior reallocations within 24-h movement profiles and change in cardiometabolic biomarkers during pregnancy** [[PubMed Abstract](#)] Avalos, Lyndsay A; Badon, Sylvia; Ferrara, Assiamira; Quesenberry, Charles P | 3/1/2024 | Obesity (Silver Spring, Md.)

### **Gynecology-General**

**Long-Term Risk of Reintervention After Surgical Leiomyoma Treatment in an Integrated Health Care System** [[PubMed Abstract](#)] Zaritsky, Eve F; Lee, Catherine; Mitro, Susanna D; Xu, Fei | 5/1/2024 | Obstetrics And Gynecology

**Hypertension, Cardiovascular Risk Factors, and Uterine Fibroid Diagnosis in Midlife** [[PubMed Abstract](#)] Zaritsky, Eve F; Lee, Catherine; Mitro, Susanna D | 4/1/2024 | JAMA Network Open

**Longitudinal Changes in Sex Hormone Binding Globulin (SHBG) and Risk of Incident Diabetes: The Study of Women's Health Across the Nation (SWAN)** [[PubMed Abstract](#)] Badon, Sylvia; Capra, Angela; Lee, Catherine; Mitro, Susanna D | 4/1/2024 | Diabetes Care

**Adverse Childhood Experiences and BMI: Lifecourse Associations in a Black-White U.S. Women Cohort** [[PubMed Abstract](#)] Brownell, Kristy E | 1/1/2024 | American Journal Of Preventive Medicine

**Training the next generation of delivery science researchers: 10-year experience of a post-doctoral research fellowship program within an integrated care system** [[PubMed Abstract](#)] Chen, Yi-Fen I; Estacio, Karen R; Grant, Richard W; Lieu, Tracy A; Liu, Vincent; Schmittiel, Julie A | 1/1/2024 | Learning Health Systems

### **Gynecology-Vulvar disease**

**NRG-CC004 ancillary data study-exploring the effect of bupropion on sexual desire in female cancer survivors with and without vulvovaginal symptoms** [[PubMed Abstract](#)] Littell, Ramey | 6/10/2024 | The Journal Of Sexual Medicine

### **Gynecology-Cervical disease**

**Primary human papillomavirus testing versus CO-testing: clinical outcomes in populations with different disease prevalence** [[PubMed Abstract](#)] Kinney, Walter; Locke, Alexander; Lorey, Thomas S | 6/3/2024 | Journal Of The National Cancer Institute

**Recommendations for Use of p16/Ki67 Dual Stain for Management of Individuals Testing Positive for Human Papillomavirus** [[PubMed Abstract](#)] Locke, Alexander; Lorey, Thomas S | 4/1/2024 | Journal Of Lower Genital Tract Disease

**Evaluation of Pre-Analytical Variables for Human Papillomavirus Primary Screening from Self-Collected Vaginal Swabs** [[PubMed Abstract](#)] Duque, Abigail J; Lorey, Thomas S; Schapiro, Jeffrey M; Suh-Burgmann, Betty J | 6/1/2024 | The Journal Of Molecular Diagnostics : Jmd

### **Gynecology-Ovarian disease**

**Ovarian cancer risk among older patients with stable adnexal masses** [[PubMed Abstract](#)] Hung, Yun-Yi; Schmittiel, Julie A; Suh-Burgmann, Betty J | 5/2/2024 | American Journal Of Obstetrics And Gynecology

**Large-scale genome-wide association study of 398,238 women unveils seven novel loci associated with high-grade serous epithelial ovarian cancer risk** [[PubMed Abstract](#)] Powell, Catherine Bethan | 3/4/2024 | Medrxiv : The Preprint Server For Health Sciences