

The Department of Obstetrics & Gynecology and Women's Health

Research Report June 2020 – June 2021



RESEARCH MAKING A DIFFERENCE





COMPLEX FAMILY PLANNING

PUBLICATIONS:

Benfield, N., Gariepy, A., Haider, S., Hubacher, D., & Madden, T. Featured research at the 2020 Society of Family Planning Annual Meeting. *Contraception*. 2020 Oct;102(4), 270-271
<https://doi.org/10.1016/j.contraception.2020.07007>.

Danvers AA, Dolan SM. Women's Health During the COVID-19 Surge in the Bronx: Reflections from Two OBGYNs on the Flatter Side of the Curve. *Matern Child Health J*. 2020 Sep;24(9):1089-1092. doi: 10.1007/s10995-020-02977-5. PMID: 32638145; PMCID: PMC7340729.

Dobkin A, McWalters J, Barnett R, Ray LL, Espinoza L, McGinn AP, Atrio JM, Keller MJ. Acceptability of a Tenofovir Disoproxil Fumarate Intravaginal Ring for HIV Pre-Exposure Prophylaxis Among Sexually Active Women. *Sex Transm Dis*. 2020 Dec;47(12):819-824. doi: 10.1097/OLQ.0000000000001254. PMID: 33186337.

Gurney EP, McAllister A, Lang B, Schreiber CA, Sonalkar S. Ultrasound assessment of postplacental copper intrauterine device position 6 months after placement during cesarean delivery. *Contracept X*. 2020;2:100040. Published 2020 Oct 9. doi:10.1016/j.conx.2020.100040.

Leung A, Loh A, Pentlicky S, Gurney EP. Knowledge and Attitudes About Sterilization and Long-Acting Reversible Contraception. *Matern Child Health J*. 2021 May 4. doi: 10.1007/s10995-021-03172-w. Epub

ahead of print. PMID: 33945083.

Levi EE, Findley, M, Woodcock, A, Hoi Ka Ng, J Fresh ideas, workarounds during pandemic can increase access to contraception; Contemporary OB/GYN; April 2021.

Ling VB, Levi EE, Harrington AR, Zite NB, Rivas SD, Dalton VK, Smith R, Moniz MH. The cost of improving care: a multisite economic analysis of hospital resource use for implementing recommended postpartum contraception programmes. *BMJ Qual Saf.* 2020 Sep 2;bmjqs-2020-011111. doi: 10.1136/bmjqs-2020-011111. Epub ahead of print. PMID: 32878968.

Raymond EG, Grossman D, Mark A, Upadhyay UD, Dean G, Creinin MD, Coplon L, Perritt J, Atrio JM, Taylor D, Gold M. Commentary: No-test medication abortion: A sample protocol for increasing access during a pandemic and beyond. *Contraception.* 2020 Jun;101(6):361-366. doi: 10.1016/j.contraception.2020.04.005. Epub 2020 Apr 16. PMID: 32305289; PMCID: PMC7161512.

Sonalkar S, Koelper N, Creinin MD, Atrio JM, Sammel MD, McAllister A, Schreiber CA. Management of early pregnancy loss with mifepristone and misoprostol: clinical predictors of treatment success from a randomized trial. *Am J Obstet Gynecol.* 2020 Oct;223(4):551.e1-551.e7. doi: 10.1016/j.ajog.2020.04.006. Epub 2020 Apr 17. PMID: 32305259; PMCID: PMC7529708.

Stifani BM, Avila K, Levi EE. Telemedicine for contraceptive counseling: An exploratory survey of US family planning providers following rapid adoption of services during the COVID-19 pandemic. *Contraception.* 2021 Mar;103(3):157-162. doi: 10.1016/j.contraception.2020.11.006. Epub 2020 Nov 17. PMID: 33212033.

Stifani BM, Smith A, Avila K, Boos EW, Ng J, Levi EE, Benfield NC. Telemedicine for contraceptive counseling: Patient experiences during the early phase of the COVID-19 pandemic in New York City. *Contraception.* 2021 Apr 20;S0010-7824(21)00111-6. doi: 10.1016/j.contraception.2021.04.006. Epub ahead of print. PMID: 33861981; PMCID: PMC8056642.

Strickler HD, Keller MJ, Hessol NA, Eltoun IE, Einstein MH, Castle PE, Massad LS, Flowers L, Rahangdale L, Atrio JM, Ramirez C, Minkoff H, Adimora AA, Ofotokun I, Colie C, Huchko MJ, Fischl M, Wright R, D'Souza G, Leider J, Diaz O, Sanchez-Keeland L, Shrestha S, Xie X, Xue X, Anastos K, Palefsky JM, Burk RD. Primary HPV and Molecular Cervical Cancer Screening in US Women Living With Human Immunodeficiency Virus. *Clin Infect Dis.* 2021 May 4;72(9):1529-1537. doi: 10.1093/cid/ciaa1317. PMID: 32881999; PMCID: PMC8096228.

Sultan JS, Wang T, Hunte R, Srinivasan S, McWalters J, Tharp GK, Bosinger SE, Fiedler TL, Atrio JM, Murphy K, Barnett R, Ray LR, Krows ML, Fredricks DN, Irungu E, Ngure K, Mugo N, Marrazzo J, Keller MJ, Herold BC. Differences in vaginal microbiota, host transcriptome and proteins in women with bacterial vaginosis are associated with metronidazole treatment response. *J Infect Dis.* 2021 May 18;jjab266. doi: 10.1093/infdis/jjab266. Epub ahead of print. PMID: 34003290.

Wu M, Eisenberg R, Negassa A, Levi E. Associations between immediate postpartum long-acting reversible contraception and short interpregnancy intervals. *Contraception.* 2020 Dec;102(6):409-413. doi: 10.1016/j.contraception.2020.08.016. Epub 2020 Sep 10. PMID: 32918870.

ABSTRACTS AND PRESENTATIONS:

Champer M, Beshah S, Fazzari M, Atrio J. Medical abortion outcomes at an urban medical center, 2015-2018: a retrospective cohort study. ACOG Annual Clinical and Scientific Meeting (ACSM): April 30-May 2, 2021.

Cohen A, Clearwater W, Benfield N. The Grey Zone: Patient Experiences after a Diagnosis of Pregnancy of Unknown Location. ACOG Annual Clinical and Scientific Meeting (ACSM): April 30-May 2, 2021.

Stifani B, Smith A, Avila K, Boos E, Ng J, Levi E, Benfield N. Telemedicine for contraceptive counseling: patient experiences during the early phase of the Covid-19 pandemic in New York City. ACOG Annual Clinical and Scientific Meeting (ACSM): April 30-May 2, 2021.

Venkatesh K, Edmonds A, Westreich D, Dionne-Odom J, Jones Weiss D, Sheth A, Cejtin H, Seidman D, Kassaye S, Minkoff H, Atrio J, Rahangdale L, Adimora A. Associations between HIV, antiretroviral therapy, and preterm birth in the women's interagency HIV study, 1994-2018. IDSOG Annual Meeting: August 13 - 15, 2020.

Woodcock A, Avila K, Mishiyeva M, Valles K, Levi EE; Access to and Ease of Discontinuation of Immediate Postpartum IUDs as Component of Reproductive Justice. ACOG Annual Clinical and Scientific Meeting (ACSM): April 30-May 2, 2021.

GRANTS AND AWARDS:

Principal Investigator - Atrio, J-Col Benfield - Contraceptive Clinical Trials Network -NIH

Principal Investigator-Atrio, J- R01 Population Council A 3-month pilot crossover study in 24 US couples to compare adherence, preference and acceptability of 3 non-medicated silicone intravaginal rings (IVRs) of different external diameters, each used for 30 days-NIH

Principal Investigator – Gurney, E- Adverse childhood experiences and pain during manual uterine aspiration – Society of Family Planning

Principal Investigator- Benfield, N- Co-Investigator Ng– The Chinese diaspora in the United States and contraceptive choices: a mixed methods study – Society of Family Planning

INDUSTRY SPONSORED:

Principal Investigator -Atrio, Col Gurney, Levi- A Phase 3, Open-label, Multi-center, Single Arm Study to Assess Contraceptive Efficacy and Safety of the Etonogestrel (MK-8415) Implant During Extended Use From 3 Years After Insertion in Females 35 Years of Age or Younger



FEMALE PELVIC MEDICINE & RECONSTRUCTIVE SURGERY

PUBLICATIONS:

Bennett AT, Ringel NE, Menhaji K, Brown OE, Hall EF, Cardenas-Trowers OO, Falk KN, Jeney SES, Barnes H, Escobar C, Tellechea LM, Sappenfield EC, Mehta S, Chang OH. "First, Do No Harm"-Trainees' Observation of Risk Reduction in the Treatment of Overactive Bladder. *Female Pelvic Med Reconstr Surg*. 2021 Jan 1;27(1):2-4. doi: 10.1097/SPV.0000000000000978. PMID: 33369964.

Carlos D, Abraham N, Zhou TC, Hung M. Transvaginal repair of Neobladder Vaginal Fistula with Martius Flap. *Int Braz J Urol*. 2020 Sep-Oct;46(5):864-866. doi: 10.1590/S1677-5538.IBJU.2018.0154. PMID: 32648433; PMCID: PMC7822384.

Chiu K, McKay E, Fazzari M, Leegant A. Risks and Associations of Third- and Fourth-Degree Lacerations: An Urban Single Center Experience. *Female Pelvic Med Reconstr Surg*. 2021 Jan 1;27(1):e146-e151. doi: 10.1097/SPV.0000000000000867. PMID: 32175943.

English, K. Maiman, R. Laudano, M. Abraham, N. Urodynamics less likely to change diagnosis and management in uncomplicated overactive bladder. *Can J Urol*. 2020 Jun;27(3):10244-10249. PMID: 32544048.

Escobar CM, Falk KN, Mehta S, Hall EF, Menhaji K, Sappenfield EC, Brown OE, Ringel NE, Chang OH, Tellechea LM, Barnes HC, Jeney SES, Bennett AT, Cardenas-Trowers OO. Rethinking Second-Line Therapy for Overactive Bladder to Improve Patient Access to Treatment Options. *Obstet Gynecol.* 2021 Mar 1;137(3):454-460. doi: 10.1097/AOG.0000000000004279. PMID: 33543891.

Freeman S, McKay E, Lin J, Leegant A, Abraham NE. Sex-Based Language Differences in Female Pelvic Medicine and Reconstructive Surgery Fellowship Recommendation Letters. *Female Pelvic Med Reconstr Surg.* 2021 Jan 28. doi: 10.1097/SPV.0000000000001023. Epub ahead of print. PMID: 33534269.

Herbert, A.S. Nemirovsky, A. Hess, D.S. Walter, D. Abraham, N.E. Loeb, S. Malik, R.D. Pelvic Organ Prolapse on YouTube: Evaluation of Consumer Information. *BJU Int.* 2020 Jun;125(6):759-760 PMID: 32039554.

Matloubieh JE, Eghbali M, Abraham N. Strategies to Encourage Medical Student Interest in Urology. *Current Urology Reports.* 2020 Aug;21(10):34. DOI: 10.1007/s11934-020-00984-1.

Nauheim, J., McKay, E., Laudano, M. Abraham, N. Healthcare Disparities in the Treatment of Pelvic Floor Disorders. *Curr Bladder Dysfunct Rep.* 2020 Sep;15, 135–141 <https://doi.org/10.1007/s11884-020-00598-w>.

Solouki S, Vega M, Agalliu I, Abraham NE. Patient Satisfaction and Refill Rates After Decreasing Opioids Prescribed for Urogynecologic Surgery. *Female Pelvic Med Reconstr Surg.* 2020 Dec 1;26(12):e78-e82. doi: 10.1097/SPV.0000000000000929. PMID: 32947551.

Stern JM, Burk RD, Asplin J, Krieger NS, Suadican SO, Wang Y, Usyk M, Lee JA, Chen L, Becker J, Chan M, Bushinsky DA. Kidney stone formation and the gut microbiome are altered by antibiotics in genetic hypercalciuric stone-forming rats. *Urolithiasis.* 2021 Jun;49(3):185-193. doi: 10.1007/s00240-020-01223-5. Epub 2020 Nov 7. PMID: 33161469.

Tellechea L, Zuo S, Kohn JR, Fazzari MJ, Eisenberg R, Lee J, Laudano M, Chen CCG, Abraham N. The Effect of Social Determinants of Health on Overactive Bladder Symptom Severity. *J Urol.* 2021 May;205(5):1415-1420. doi: 10.1097/JU.0000000000001545. Epub 2020 Dec 22. PMID: 33350322.

Watts KL, Abraham N. "Virtually Perfect" for Some but Perhaps Not for All: Launching Telemedicine in the Bronx during the COVID-19 Pandemic. *J Urol.* 2020 Nov;204(5):903-904. doi: 10.1097/JU.0000000000001185. Epub 2020 Jun 9. PMID: 32519903.

ABSTRACTS AND PRESENTATIONS:

Solouki S, Vega M, Clearwater W, Leegant A. Risk factors for developing UTI following incontinence sling surgery: do prophylactic postoperative antibiotics play a protective role? *International Urogynecological Association: Aug 29- Sep 4, 2020.*

Tellechea, L., Zuo, SW., Fazarri, M., Kohn, JR., Roberts, Harley, Grace Chen, Ava Leegant MD, Melissa Laudano MD, Nitya Abraham MD. Association of female sexual function with social determinants of health (SDOH). *International Urogynecological Association: Aug 29- Sep 4, 2020.*

Vega M, Solouki S, Carlos D, Leegant A. A randomized control study on timing of midurethral sling during concomitant prolapse surgery: before or after apical suspension? *International Urogynecological Association: Aug 29- Sep 4, 2020.*

INDUSTRY AND CO-OPERATIVE GROUP SPONSORED PROTOCOLS:

Co-Principal Investigator- Leegant, A- Co-I Laudano, M- Deployable Interstitial Cystitis Urine Diagnostic Technology Development-Department of Defense (DoD)W81XWH1910288

2016-2019 A Double-blind, Randomized, Controlled Trial Comparing the Safety and Efficacy of AMDC-USR with Placebo in Female Subjects with Stress Urinary Incontinence, Cook Myosite

2017-2019 A Phase III, multicenter, randomized, double blind, parallel group, placebo controlled study to assess the efficacy and safety of one or more intrapetrous treatments of 600 OR 800 units of disport for the treatment of urinary incontinence in subjects with NDO due to 2-SCI or MS, Ipsen



FETAL MEDICINE AND ULTRASOUND

PUBLICATIONS:

Doulaveris G, Ryken K, Papathomas D, Estrada Trejo F, Fazzari MJ, Rotenberg O, Stone J, Roman AS, Dar P. Early prediction of placenta accreta spectrum in women with prior cesarean delivery using transvaginal ultrasound at 11 to 14 weeks. *Am J Obstet Gynecol MFM*. 2020 Nov;2(4):100183. doi: 10.1016/j.ajogmf.2020.100183. Epub 2020 Jul 19. PMID: 33345909.

Igel CM, Rabin-Havt S, Estrada Trejo F, Doulaveris G, Eisenberg R, Fazzari M, Klugman S. Patient attitudes toward prenatal diagnostic testing during antenatal care in an urban population. *Prenat Diagn*. 2021 Jan 20. doi: 10.1002/pd.5899. Epub ahead of print. PMID: 33470437.

Gomez D, Orfanelli T, Awomolo A, Doulaveris G, Rosen T, Duzyj C. A comparison of pregnancy-specific risk scoring systems for venous thromboembolic pharmacoprophylaxis in hospitalized maternity patients. *J Matern Fetal Neonatal Med*. 2020 Oct 11:1-8. doi: 10.1080/14767058.2020.1832072. Epub ahead of print. PMID: 33043758.

Rotenberg O, Doulaveris G, Fridman D, Renz M, Kaplan J, Xie X, Goldberg GL, Dar P. Long-term outcome of postmenopausal women with proliferative endometrium on endometrial sampling. *Am J Obstet Gynecol*. 2020 Dec;223(6):896.e1-896.e7. doi: 10.1016/j.ajog.2020.06.045. Epub 2020 Jul 5. PMID: 32640199.

Westcott JM, Simpson S, Chasen S, Vieira L, Stone J, Doulaveris G, Dar P, Bernstein PS, Atallah F, Dolin CD, Roman AS. Prenatally diagnosed vasa previa: association with adverse obstetrical and neonatal outcomes. *Am J Obstet Gynecol MFM*. 2020 Nov;2(4):100206. doi: 10.1016/j.ajogmf.2020.100206. Epub 2020 Aug 15. PMID: 33345921.

ABSTRACTS AND PRESENTATIONS:

Pe'er Dar, Bo Jacobsson, Cora MacPherson, Fergal D. Malone, Ronald J. Wapner, Ashley Roman, Asma Khalil, Revital Faro, Rajeevi Madankumar, Lance Edwards, Sina Haeri, Robert M. Silver, Nidhi Vohra, Jon Hyett, Garfield Clunie, Zachary Demko, Matt Rabinowitz, Hakon Hakonarson, Mary E. Norton. Multicenter prospective study of SNP-based cfDNA screening for aneuploidy with genetic confirmation in 18,496 pregnancies. Society for Maternal Fetal Medicine (SMFM): Jan 25-30, 2021. Oral presentation

Pe'er Dar, Bo Jacobsson, Melissa Egbert, Fergal D. Malone, Ronald J. Wapner, Ashley Roman, Asma Khalil, Revital Faro, Rajeevi Madankumar, Lance Edwards, Noel Strong, Sina Haeri, Robert M. Silver, Nidhi Vohra, Jon Hyett, Kim Martin, Rebecca Clifton, Charly Kao, Mary E. Norton. Multicenter prospective study of SNP-based cfDNA for 22q11.2 deletion in 18,289 pregnancies with genetic confirmation. Society for Maternal Fetal Medicine (SMFM): Jan 25-30, 2021. Oral presentation

Mary E. Norton, Cora MacPherson, Bo Jacobsson, Melissa Egbert, Fergal D. Malone, Ronald J. Wapner, Ashley Roman, Asma Khalil, Revital Faro, Rajeevi Madankumar, Lance Edwards, Noel Strong, Sina Haeri, Robert M. Silver, Nidhi Vohra, Jon Hyett, Kim Martin, Pe'er Dar. Perinatal and genetic outcomes associated with no call cfDNA results in 18,496 pregnancies. Society for Maternal Fetal Medicine (SMFM): Jan 25-30, 2021. Oral presentation

Pe'er Dar, Bo Jacobsson, Melissa Egbert, Fergal D. Malone, Ronald J. Wapner, Ashley Roman, Asma Khalil, Revital Faro, Rajeevi Madankumar, Lance Edwards, Noel Strong, Sina Haeri, Robert M. Silver, Nidhi Vohra, Jon Hyett, Kim Martin, Rebecca Clifton, Charly Kao, Mary E. Norton. Multicenter prospective study of SNP-based cfDNA for 22q11.2 deletion in 18,290 pregnancies with genetic confirmation. International Society of Prenatal Diagnosis (ISPD) :June 6-8 2021. Oral presentation

Kimberly Martin; Mary Norton, Cora MacPherson; Bo Jacobsson; Sina Haeri; Melissa Egbert; Fergal D. Malone; Ronald J. Wapner, Ashley Roman, Asma Khalil, Revital Faro, Rajeevi Madankumar; Lance Edwards; Noel Strong; Robert M. Silver; Nidhi Vohra; Jon Hyett; Paul Billings, Charly Kao, Pe'er Dar. Performance of cell-free DNA for detection of sex chromosome trisomies in 10,766 pregnancies with genetic confirmation. International Society of Prenatal Diagnosis (ISPD) :June 6-8 2021

Sekandari, Niki, Early, Megan, Barlow, Stewart, Doulavaris, Georgios, Xie, Xianghong, Dar, Pe'er, Rotenberg, Ohad: The impact of obesity on clinical and sonographic findings among women with postmenopausal bleeding. American Institute of Ultrasound in Medicine Annual Conference (AIUM):April 14-21. 2021.

Sekandari, Niki, Doulavaris, Georgios, Orfanelli, Theofano, Xie, Xianghong, Dar, Pe'er, Rotenberg, Ohad: Risk of recurrent bleeding and surgical interventions among women with proliferative endometrium. ACOG congress 2020, Seattle, WA

Sekandari, Niki, Doulavaris, Georgios, Xie, Xianghong, Dar, Pe'er, Rotenberg, Ohad: The performance of ultrasound in assessment of the endometrium and risk of cancer in postmenopausal women who failed endometrial biopsy. American Institute of Ultrasound in Medicine Annual Conference (AIUM): April 14-21, 2021.

GRANTS AND AWARDS:

Principal Investigator- Dar, P, Co-Investigator, Norton, M- UCSF SNP-based Microdeletion and Aneuploidy Registry (The SMART study) -NCT02381457 Natera



GENERAL OBSTETRICS AND GYNECOLOGY

PUBLICATIONS:

Baalbaki, SH, Wood SL, Tita AT, Szychowski JM, Andrews WW, Subramaniam A. Predicting long-term neurodevelopmental outcomes in very preterm neonates by umbilical cord gas parameters. *Am J Obstet Gynecol MFM*. 2021 Jan;3(1):100248. doi: 10.1016/j.ajogmf.2020.100248. Epub 2020 Oct 6. PMID: 33451600; PMCID: PMC7811573.

Baalbaki, SH, Szychowski JM, Tang Y, Wetta L, Subramaniam A. Systemic Lupus Erythematosus: Perinatal Outcomes in Patients Treated With and Without Hydroxychloroquine. *Ochsner J*. 2020 Winter;20(4):362-367. doi: 10.31486/toj.20.0013. PMID: 33408572; PMCID: PMC7755559.

Chuang M, Purswani H, Fazzari MJ, Kaplan J, Pardanani S, Banks EH. A Low-Cost Trainer for the Surgical Management of Postpartum Hemorrhage. *Simul Healthc*. 2020 Aug;15(4):289-294. doi: 10.1097/SIH.0000000000000434. PMID: 32218092.

ABSTRACTS AND PRESENTATIONS:

Cohen, A, Bruney, T, Fazzari, J, Nangia Gayatri. Prescriber Opioid Patterns Following Cesarean Section Pre and Post Provider Training Intervention. Poster Presentation, ACOG District II 2020

Cohen, A, Bruney, T, Xianhong, Xie. Predictors of Post-discharge Opioid Use after Cesarean Section. Poster presentation, SMFM 2021

Bruney, T, Zhang X. Perinatal Depression Screening and Management: Results from a Federally Qualified Health Center in the Bronx, NYC, ACOG 2021



GYNECOLOGIC ONCOLOGY

PUBLICATIONS:

Borczuk R, Gressel GM, Vilardo N, Lin K, Kuo DYS, Fazzari M, Nevadunsky NS. Characterization of risk factors and timing of venous thromboembolism in patients with uterine carcinosarcoma. *Eur J Gynaecol Oncol.* 2021 Feb. In Press.

Chen AH, Turker L, Divito J, Kuo DYS. Uterine Cavity Evacuation, a Novel Approach to Uterine Size Reduction During Minimal Invasive Surgery for Uterine Carcinosarcoma: A report of two cases. *Eur J of Gynecol Oncol.* 2021 Apr. In Press.

Fader AN, Roque DM, Siegel E, Buza N, Hui P, Abdelghany O, Chambers S, Secord AA, Havrilesky L, O'Malley DM, Backes FJ, Nevadunsky N, Edraki B, Pikaart D, Lowery W, ElSahwi K, Celano P, Bellone S, Azodi M, Litkouhi B, Ratner E, Silasi DA, Schwartz PE, Santin AD. Randomized Phase II Trial of Carboplatin-Paclitaxel Compared with Carboplatin-Paclitaxel-Trastuzumab in Advanced (Stage III-IV) or Recurrent Uterine Serous Carcinomas that Overexpress Her2/Neu (NCT01367002): Updated Overall Survival Analysis. *Clin Cancer Res.* 2020 Aug 1;26(15):3928-3935. doi: 10.1158/1078-0432.CCR-20-0953. Epub 2020 Jun 29. PMID: 32601075.

Ferrall L, Lin KY, Roden RBS, Hung CF, Wu TC. Cervical Cancer Immunotherapy: Facts and Hopes. *Clin Cancer Res.* 2021 Apr 22. doi: 10.1158/1078-0432.CCR-20-2833. Epub ahead of print. PMID: 33888488.

George KE, Gressel GM, Ogburn T, Woodland MB, Banks E. Surveying Obstetrics and Gynecology Residents About Their Residency Applications, Interviews, and Ranking. *J Grad Med Educ.* 2021 Apr;13(2):257-265. doi: 10.4300/JGME-D-20-00939.1. Epub 2021 Apr 16. PMID: 33897960; PMCID: PMC8054595.

Fife A, Khouri OR, Grantham M, DiVito J, Hébert T, Kuo DY. Inflammatory reaction to BioGlue™ masquerading as recurrence in patients with endometrial cancer: A report of two cases. *Gynecol Oncol Rep.* 2020 Nov 4;34:100665. doi: 10.1016/j.gore.2020.100665. PMID: 33251313

Gressel GM, Maggi EC, Harmon BE, Ye KQ, Kuo DYS, Dolan SM, Montagna C. Low molecular weight serum cell-free DNA concentration is associated with clinicopathologic indices of poor prognosis in women with uterine cancer. *J Transl Med.* 2020 Aug 27;18(1):323. doi: 10.1186/s12967-020-02493-8. PMID: 32854748; PMCID: PMC7457235.

Gressel GM, Marcus JZ, Mullen MM, Sinno AK. Direct oral anticoagulant use in gynecologic oncology: A Society of Gynecologic Oncology Clinical Practice Statement. *Gynecol Oncol.* 2021 Jan;160(1):312-321. doi: 10.1016/j.ygyno.2020.11.020. Epub 2020 Nov 28. PMID: 33257014.

Miller EM, Patterson NE, Gressel GM, Karabakhtsian RG, Bejerano-Sagie M, Ravi N, Maslov A, Quispe-Tintaya W, Wang T, Lin J, Smith HO, Goldberg GL, Kuo DYS, Montagna C. Utility of a custom designed next generation DNA sequencing gene panel to molecularly classify endometrial cancers according to The Cancer Genome Atlas subgroups. *BMC Med Genomics.* 2020 Nov 30;13(1):179. doi: 10.1186/s12920-020-00824-8. PMID: 33256706; PMCID: PMC7706212.

Samuel D, Nevadunsky NS, Miller DT, Isani S, Kuo DYS, Gressel GM. Opioid prescription by gynecologic oncologists: An analysis of Medicare Part D claims. *Curr Probl Cancer.* 2021 Apr;45(2):100655. doi: 10.1016/j.currproblcancer.2020.100655. Epub 2020 Sep 17. PMID: 32994074.

Tymon-Rosario JR, Miller DT, Novetsky AP, Goldberg GL, Nevadunsky NS, Makhija SK, Kuo DY, Van Arsdale AR. Risk factors associated with delayed discharge following robotic assisted surgery for gynecologic malignancy. *Gynecol Oncol.* 2020 Jun;157(3):723-728. doi: 10.1016/j.ygyno.2020.03.019. Epub 2020 Mar 23. PMID: 32217003.

ABSTRACTS AND PRESENTATIONS:

Dagum Camilla, Vilardo V, Gressel GM. Race-related disparities in patterns of uterine cancer recurrence. American Society of Clinical Oncology (ASCO):June 4-8, 2021.

Gabor LR, Gowthaman D, Gressel GM, Kuo DYS, Nevadunsky NS. The impact of the SARS-COV2 pandemic on the delivery of chemotherapy for gynecologic cancer at a tertiary care institution in the United States epicenter. Society of Gynecologic Oncology (SGO): March 20-23, 2021.

Gabor LR, Gowthaman D, Gressel GM, Kuo DYS, Nevadunsky NS. Utilization of the healthcare system by gynecologic oncology patients during the SARS-COV2 pandemic surge in New York City. Society of Gynecologic Oncology (SGO): March 20-23, 2021.

Khouri OR, Van Arsdale A, Vilardo N, Gowthaman D, Gressel GM, Nevadunsky NS, Bansal N. Defining optimal adjuvant treatment for high-risk early stage endometrial cancer. Society of Gynecologic Oncology (SGO): March 20-23, 2021.

Khoury OR, Katcher, A. Interval Debulking Surgery versus Chemotherapy Alone for the Treatment of Advanced Ovarian Cancer. Society of Gynecologic Oncology (SGO): March 20-23, 2021.

Liu JF, Colombo N, Oza AM, Oaknin A, Gaba L, Frenel J-S, Nevadunsky NS, de Giorgio-Miller V, Ni P, Ghiorghiu D. ADAGIO: A phase IIb, open-label, single-arm, multicenter study assessing the efficacy and safety of adavosertib (AZD1775) as treatment for recurrent or persistent uterine serous carcinoma. Journal of Clinical Oncology 2021 39:15_suppl, TPS5612-TPS5612. American Society of Clinical Oncology (ASCO):June 4-8, 2021.

Nosratian B, Gressel GM, Gabor L, Kuo DYS, Xie X, Eti S, Nevadunsky NS. Trends in palliative and aggressive care at the end of life for women with gynecologic malignancies: a fifteen year single institutional experience. Society of Gynecologic Oncology (SGO): March 20-23, 2021.

Marcus E, Kuo DYS, Nevadunsky NS, Gressel GM "Association of the Khorana Score with development of venous thromboembolism in ovarian cancer. Society of Gynecologic Oncology (SGO): March 20-23, 2021.

Secord AA, Gupta S, Reddick C, Chauhan J, Gill S, Schorge J, Gold M, Tewari D, Breed CA, Braly PS, Kuo DYS, Modesitt S, Holloway R. FLORA-5 Front-line chemoimmunotherapy (Paclitaxel-Carboplatin-Oregovomab [PCO]) versus chemotherapy (Paclitaxel-Carboplatin-Placebo [PCP]) in patients with advanced epithelial ovarian cancer (EOC)-phase III double-blind placebo controlled multinational study. American Society of Clinical Oncology (ASCO):June 4-8, 2021.

Vilardo N, Dagum C, Arora A, Fazzari M, King K, Gressel GM. Thyroid function and survival outcomes in women with uterine cancer. Society of Gynecologic Oncology (SGO): March 20-23, 2021.

GRANTS AND AWARDS:

Principal Investigator- Montagna, C- Somatic mutation rate, genomic instability, and clonal evolution in BRCA1/2 carriers undergoing prophylactic risk-reducing surgery to establish serous tubular intraepithelial lesions (STILs) as cancer precursors- Ovarian Cancer Research Program (OCRP) Pilot Award

Principal Investigator – Gressel, G- Mutational and DNA methylation profiling of cell-free tumor DNA as a liquid biopsy for women with high-risk endometrial cancer- National Institutes of Health/ National Cancer Institute

Principal Investigator – Gressel G- Patient acceptability and end of life outcomes after administration of an online goals of care module compared to traditional palliative care counseling- SGO Foundation for Women's Cancer/ Foundation for Gynecologic Oncology Bruce Patsner Research Grant for Innovative Research and Technology

Principal Investigator – Van Arsdale- Development of a high-resolution mapping platform for HPV DNA integration in premalignant lesions- NIH-NCI R21 CA240580-01

INDUSTRY AND CO-OPERATIVE GROUP SPONSORED PROTOCOLS:

Principal Investigator – Nevadunsky- GOG 3035 A Phase 3, Double-Blind, Placebo-Controlled, Multicenter Clinical Study comparing Chemo-Immunotherapy (Paclitaxel-Carboplatin-Oregovomab) versus Chemotherapy (Paclitaxel-Carboplatin-Placebo) in Patients with Advanced Epithelial Ovarian, Fallopian Tube or Peritoneal Carcinoma

Principal Investigator – Nevadunsky- GOG GOG 3028 A Two-arm, Randomized, Non-comparative, Phase 2 Trial of AGEN2034 (anti-PD-1) as a Monotherapy or Combination Therapy with AGEN1884 (anti-CTLA4) or with Placebo in Women with Recurrent Cervical Cancer (Second Line) – RaPiDS

Principal Investigator – Nevadunsky- GOG A Phase 2b, Open-label, Single-arm, Multi-centre Study assessing the Efficacy and Safety of Adavosertib as Treatment for Recurrent or Persistent Uterine Serous Carcinoma

Principal Investigator – Nevadunsky- GOG GOG 3031 A phase 3 randomized, double-blind, multicenter study of dostarlimab (TSR-042) plus carboplatin-paclitaxel versus placebo plus carboplatin-paclitaxel in patients with recurrent or primary advanced endometrial cancer

Principal Investigator – Nevadunsky- GOG A phase III, randomized, multi-center, double-blind, global study to determine the efficacy and safety of durvalumab in combination with and following chemoradiotherapy compared to chemoradiotherapy alone for treatment in women with locally advanced cervical cancer.

Principal Investigator – Nevadunsky- GOG Non-randomized, open-label Phase II study to assess olaparib tablets as a treatment for subjects with different HRD tumor status and with platinum-sensitive, relapsed, high-grade serous or high-grade endometrioid ovarian, fallopian tube or primary peritoneal cancer that have received at least 1 prior line of chemotherapy.

Principal Investigator – Nevadunsky- NRG-GY018 A Phase III Randomized, Placebo-Controlled Study of Pembrolizumab (MK-3475, NSC #776864) in Addition to Paclitaxel and Carboplatin for Measurable Stage III or IVA, Stage IVB or Recurrent Endometrial Cancer

Principal Investigator – Van Arsdale- A Phase 2, randomized, open label, efficacy study of VGX-3100 delivered intramuscularly followed by electroporation with Collectra 2000 alone or in combination with imiquimod for the treatment of HPV 16 and or HPV-18 related high grade squamous intraepithelial lesion (HSIL) of the vulva

Principal Investigator – Van Arsdale- Reveal 2: A prospective, randomized, double-blind, placebo-controlled phase 3 study of VGX-3100 delivered intramuscularly followed by electroporation with Collectra 5PSP for the treatment of HPV-16 and /or HPV-18 related high grade squamous intraepithelial lesions (HSIL) of the cervix.



MATERNAL FETAL MEDICINE

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ABSTRACTS AND PRESENTATIONS:

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Bernstein PS. Resources for Patients, Families, & Hospital Teams. New York State Perinatal Quality Collaborative Obstetric Hemorrhage Coaching Call. Mar 9, 2021.

Bernstein PS. The Safe Motherhood Initiative. Annual Meeting of the Kentucky Perinatal Quality Collaborative: Oct 28, 2020.

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Nathan, L. COVID-19 in Pregnancy: Best Practices for Management of the Maternal Population. Sepsis Alliance - National Live Webinar: 2021.

Nathan L. Maternal Safety Bundles: Sepsis In Pregnancy. Society for Maternal Fetal Medicine (SMFM): Jan 25-30, 2021. Oral presentation.

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GRANTS AND AWARDS:

Principal Investigator – Allen Gurewitsch, E -Virtual Reality-Enhanced Haptic Simulation to Improve Self-Regulation of Applied Delivery Force During Shoulder Dystocia-1 R18 HS026689-01. Agency for Healthcare Research and Quality

BOOKS AND CHAPTERS:

Estrada F, Kuba K, Allen Gurewitsch E. Chapter: Traditional obstetric pelvimetry in delivery and labor” intrapartum ultrasonography for labor management: labor, delivery and puerperium. 2nd edition. Antonio Malvasi. Springer Nature Switzerland AG publishing, 2020.



MINIMALLY INVASIVE GYNECOLOGIC SURGERY

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Arabkhazaeli M, Keltz J, Eisenberg R, Levie M, Yettaw Luts H. A Retrospective Study of Risk Factors for Small Bowel Obstruction After Hysterectomy. *JSLs*. 2021 Oct; 24(4). doi: 10.4293/JSLs.2020.00070.

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Gressel GM, George K, Woodland MB, Banks E. Resident Confidence in Performing Robotic Hysterectomy in Obstetrics and Gynecologic Training Programs. *J Minim Invasive Gynecol*. 2021 May 4:S1553-4650(21)00197-7. doi: 10.1016/j.jmig.2021.04.019. Epub ahead of print. PMID: 33962023.

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ABSTRACTS AND PRESENTATIONS:

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GRANTS AND AWARDS:

Principal Investigator- Banks, E- Multi-component implementation of shared decision making (SDM) for uterine fibroids across socioeconomic strata- E- PCORI Implementation of Effective Shared Decision Making (SDM) Approaches in Practice Settings

Principal Investigator- Banks, E- Reimaging Residency” Montefiore Medical Center; Residency Training to Effectively Address Social Determinants of Health: Applying a Curricular Framework Across Four Primary Care Specialties- American Medical Association

Principal Investigator- Banks E- Multi-site Study Vaginal Hysterectomy Simulation Evaluation and Assessment- Association of Professors of Gynecology and Obstetrics (APGO) Medical Education Endowment Fund Grant



REPRODUCTIVE ENDOCRINOLOGY AND INFERTILITY

PUBLICATIONS:

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REPRODUCTIVE AND MEDICAL GENETICS

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Principal Investigator- Montagna, C, Co-Investigator-Klugman, S- Somatic mutation rate in peripheral blood as determinant of breast cancer penetrance in women at high risk for breast cancer

INDUSTRY AND CO-OPERATIVE GROUP SPONSORED PROTOCOLS:

Principal Investigator- Klugman, S - Validation of a noninvasive cell-based test to identify genomic abnormalities- Cradle Genomics

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