

**Publications and Presentations of  
Fellows in  
Female Pelvic Medicine and Reconstructive Surgery**

**SPYRIDON MARINIS, MD (2003-2006)**

**Presentations**

1. Marinis SI, Li XH, Schlabritz-Loutsevitch NE, Boreham MK, Schaffer JI, Hubbard GB, Word RA. Effect of aging on gene expression in the levator ani. Oral presentation. AUGS/SGS, San Diego, California (July 2004). American Urogynecologic Society/Society of Gynecologic Surgeons Joint Scientific Meeting.
2. Marinis SI, Martindale A, Li XH, Keller P, Charissi C, Schaffer JI, Word RA. Remodeling of the vaginal wall during pregnancy, parturition, and the puerperium. Oral presentation. AUGS/SGS, San Diego, California (July 2004). American Urogynecologic Society/Society of Gynecologic Surgeons Joint Scientific Meeting.
3. Drewes PG, Marinis SI, J. Acevedo, P. Keller, J.I. Schaffer, and R.A. Word. Regulation of Lysyl Oxidase in the Vaginal Wall: Role of Estrogen, Progesterone, and Pregnancy. American Urogynecologic Society, Atlanta, GA, (September 2005). 26th Annual Scientific Meeting of the American Urogynecologic Society.
4. Drewes PG, Marinis SI, Schaffer JI, Boreham MK, Corton MM. Vascular Anatomy over the Iliopubic Rami in Female Cadavers. Oral presentation. Society of Gynecologic Surgeons, Rancho Mirage, CA (April 2005). 31st Annual Scientific Meeting of the Society of Gynecologic Surgeons.
5. Drewes PG, Marinis SI, Word RA, Nihira MA. The rabbit as a model for vaginal surgery. Oral presentation, Society of Gynecologic Surgeons, Rancho Mirage, CA (April 2005). 31st Annual Scientific Meeting of the Society of Gynecologic Surgeons.
6. Drewes PG, Keller P, Acevedo J, Marinis SI, Hacker S, Yanagisawa H, Word RA. Pregnancy changes in elastin and fibulin-5 protein in mouse vagina. Oral presentation, American Urogynecologic Society, Atlanta, GA, (September 2005). 26th Annual Scientific Meeting of the American Urogynecologic Society.

7. Rahn DD, Marinis SI, Schaffer JI, Corton MM. Anatomical path of the tension-free vaginal tape: reassessing current teachings. Oral presentation, Society of Gynecologic Surgeons, Tucson, AZ, (April 2006). 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons.
8. Wieslander CK, Marinis SI, Keller P, Boreham MK, Drewes PG, Schaffer JI, Word RA. Elastic Fiber Homeostasis in the Vaginal Wall Tissues from Women with Pelvic Organ Prolapse. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
9. Wieslander CK, Rahn DD, Marinis SI, Wai CY, Schaffer JI, Corton MM. Vascular Anatomy of the Presacral Space in Unembalmed Female cadavers. Oral presentation. Society of Gynecologic Surgeons, Tucson, AZ (April 2006). 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons.
10. Wieslander CK, Marinis SI, Drewes PG, Keller P, Acevedo J, Word RA. Regulation of Elastolytic Activity in the Vagina during Pregnancy, Parturition, and the Puerperium in Wild Type Mice and Nonpregnant Fibulin-5 Knockout Mice. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.

### **Publications**

1. Drewes PG, Marinis SI, Schaffer JI, Boreham MK, Corton MM. Vascular anatomy over the superior pubic rami in female cadavers. Am J Obstet Gynecol 2005; 193: 2165-2168.
2. Drewes PG, Yanagisawa H, Starcher B, Hornstra I, Csiszar K, Marinis SI, Keller P, Word RA. Pelvic organ prolapse in fibulin-5 knockout mice: pregnancy-induced changes in elastic fiber homeostasis in mouse vagina. Am J Pathol 2007; 170: 578-89.
3. Wieslander CK, Marinis SI, Drewes PG, Keller PW, Acevedo JF, and Word RA. Regulation of elastolytic proteases in the mouse vagina during pregnancy, parturition, and the puerperium. Biol Reprod 2008; 78: 521-8.

### **PETER G. DREWES, MD (2003-2006)**

### **Presentations**

1. Henderson NL, Miller MD, Drewes PG, Huber PJ, Provost DA, Boreham MK. Urinary incontinence in morbidly obese women: prevalence and risk factors. Poster presentation, AUGS/SGS, San Diego, California (July 2004). American Urogynecologic Society/Society of Gynecologic Surgeons Joint Scientific Meeting.

2. Drewes PG, Marinis SI, Schaffer JI, Boreham MK, Corton MM. Vascular Anatomy over the Iliopubic Rami in Female Cadavers. Oral presentation. Society of Gynecologic Surgeons, Rancho Mirage, CA (April 2005). 31st Annual Scientific Meeting of the Society of Gynecologic Surgeons. **President's Award Resident/Fellow First Prize In Gynecologic Research.**
3. Drewes PG, Marinis SI, Word RA, Nihira MA. The rabbit as a model for vaginal surgery. Oral presentation, Society of Gynecologic Surgeons, Rancho Mirage, CA (April 2005). 31st Annual Scientific Meeting of the Society of Gynecologic Surgeons.
4. Drewes PG, Marinis SI, Acevedo J, Keller P, Schaffer JI, and Word RA. Regulation of Lysyl Oxidase in the Vaginal Wall: Role of Estrogen, Progesterone, and Pregnancy. Oral presentation, American Urogynecologic Society, Atlanta, GA, (September 2005). 26th Annual Scientific Meeting of the American Urogynecologic Society.
5. Drewes PG, Keller P, Acevedo J, Marinis SI, Hacker S, Yanagisawa H, Word RA. Pregnancy changes in elastin and fibulin-5 protein in mouse vagina. Oral presentation, American Urogynecologic Society, Atlanta, GA, (September 2005). 26th Annual Scientific Meeting of the American Urogynecologic Society. **Basic Science Prize Paper Award.**
6. Drewes PG, Yanagisawa H, Starcher B, Keller P, Word RA. Pelvic organ prolapse in fibulin-5 knockout mice: elastic fiber homeostasis in the vaginal wall during pregnancy, parturition, and the puerperium. Oral presentation, Society for Gynecologic Investigation, Toronto, Ontario, Canada (March 2006). 53rd Annual Scientific Meeting of the Society for Gynecologic Investigation. **President's Presenter Award.**
7. Wieslander CK, Acevedo J, Drewes PG, Yanagisawa H, Word RA. Pelvic Organ Prolapse Severity Increases with Age in Fibulin-5 Knockout (Fbln-5 KO) Mice. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
8. Wieslander CK, Marinis SI, Keller P, Boreham MK, Drewes PG, Schaffer JI, Word RA. Elastic Fiber Homeostasis in the Vaginal Wall Tissues from Women with Pelvic Organ Prolapse. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
9. Wieslander CK, Marinis SI, Drewes PG, Keller P, Acevedo J, Word RA. Regulation of Elastolytic Activity in the Vagina during Pregnancy, Parturition, and the Puerperium in Wild Type Mice and Nonpregnant Fibulin-5 Knockout Mice. Oral

Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.

10. Wieslander CK, Drewes PG, Keller P, Acevedo J, Word RA. Vaginal Tissues Are Enriched in Proteins Involved in Elastic Fiber Synthesis and Assembly. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
11. Roshanravan SM, Keller PW, Acevedo JF Word RA, Drewes PG. Effect of Estrogen on Processing of Procollagen and Lysyl Oxidases in the Vaginal Wall. Oral Presentation, American Urogynecologic Society, Chicago, IL (September 2008). 29th Annual Scientific Meeting of the American Urogynecologic Society.

### **Publications**

1. Drewes PG, Marinis SI, Schaffer JI, Boreham MK, Corton MM. Vascular anatomy over the superior pubic rami in female cadavers. Am J Obstet Gynecol 2005; 193: 2165-2168.
2. Wai CY, Nihira MA, Drewes PG, Chang JS, Siddiqui MT, Hemsell DL. Actinomyces associated with persistent vaginal granulation tissue. Infectious Diseases in Obstetrics & Gynecology 2005; 13: 53-5.
3. Wai CY, Drewes PG. Cysts of the Vaginal Wall. Current Medical Literature: Gynecology and Obstetrics 2005; 11: 1-6.
4. Drewes PG, Yanagisawa H, Starcher B, Hornstra I, Csiszar K, Marinis SI, Keller P, Word RA. Pelvic organ prolapse in fibulin-5 knockout mice: pregnancy-induced changes in elastic fiber homeostasis in mouse vagina. Am J Pathol 2007; 170: 578-89.
5. Wieslander CK, Rahn DD, McIntire DD, Acevedo JF, Drewes PG, Yanagisawa H, Word RA. Quantification of pelvic organ prolapse in mice: vaginal protease activity precedes increased MOPQ scores in fibulin-5 knockout mice. Biol Reprod 2008.
6. Wieslander CK, Marinis SI, Drewes PG, Keller PW, Acevedo JF, and Word RA. Regulation of elastolytic proteases in the mouse vagina during pregnancy, parturition, and the puerperium. Biol Reprod 2008; 78: 521-8.

### **CECILIA K. WIESLANDER, MD (2004-2007)**

### **Presentations**

1. Wieslander CK, Word RA, Schaffer JI, McIntire DD, Woodman P, O'Boyle A, Kahn

- M, Valley M, Bland D, Swift SE. Smoking is a Risk Factor for Pelvic Organ Prolapse. Oral presentation. American Urogynecologic Society, Atlanta, GA, (September 2005). 26th Annual Scientific Meeting of the American Urogynecologic Society.
2. Wieslander CK, Boreham, MK, Phelan J, Schaffer JI, Corton MM. Avoiding Nerve Injury During Gynecologic Surgery. Video presentation. American Urogynecologic Society, Atlanta, GA, (September 2005). 26th Annual Scientific Meeting of the American Urogynecologic Society.
  3. Wieslander CK, Roshanravan SM, McIntire DD, Nihira MA, Schaffer JI. Levator Ani Spasm Syndrome (LASS): A Case-Control Study. Poster presentation, Society of Gynecologic Surgeons, Tuscon, AZ (April 2006). 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons.
  4. Wieslander CK, Rahn DD, Marinis SI, Wai CY, Schaffer JI, Corton MM. Vascular Anatomy of the Presacral Space in Unembalmed Female cadavers. Oral presentation, Society of Gynecologic Surgeons, Tuscon, AZ (April 2006). 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons. **Best Fellow's Paper**
  5. Wieslander CK, Drewes PG, Keller P, Acevedo J, Word RA. Vaginal Tissues Are Enriched in Proteins Involved in Elastic Fiber Synthesis and Assembly. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
  6. Wieslander CK, Yau JL, Starcher BC, Miller RT, Schaffer JI, Word RA. Immune Cell Trafficking and Remodeling of the Extracellular Matrix in the Human Vaginal Wall during Pregnancy and Parturition. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
  7. Wieslander CK, Acevedo J, Drewes PG, Yanagisawa H, Word RA. Pelvic Organ Prolapse Severity Increases with Age in Fibulin-5 Knockout (Fbln-5 KO) Mice. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society. **Basic Science Outstanding Paper Award**
  8. Wieslander CK, Marinis SI, Keller P, Boreham MK, Drewes PG, Schaffer JI, Word RA. Elastic Fiber Homeostasis in the Vaginal Wall Tissues from Women with Pelvic Organ Prolapse. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
  9. Wieslander CK, Marinis SI, Drewes PG, Keller P, Acevedo J, Word RA. Regulation

of Elastolytic Activity in the Vagina during Pregnancy, Parturition, and the Puerperium in Wild Type Mice and Nonpregnant Fibulin-5 Knockout Mice. Oral Presentation. American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.

10. Rahn DD, Bleich AT, Wai CY, Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Anatomic Relationships of the Distal Third of the Pelvic Ureter, Trigone, and Urethra in Unembalmed Female Cadavers. Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33rd Annual Scientific Session of the Society of Gynecologic Surgeons.
11. Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Neurovascular Anatomy of the Greater Sciatic Foramen in Sacrospinous Ligament Region in Female Cadavers: Implications in Sacrospinous Ligament and Ileococcygeal Fascia Vaginal Vault Suspension. Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33rd Annual Scientific Session of the Society of Gynecologic Surgeons.
12. Wieslander CK, Roshanravan SM, Schaffer JI, Corton MM. Uterosacral Ligament Suspension Sutures: Anatomic Relationships in Unembalmed Female Cadavers. Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33rd Annual Scientific Session of the Society of Gynecologic Surgeons.
13. Wieslander CK, Marinis SI, Drewes PG, Keller P, Acevedo J, Word RA. Regulation of Protease Activity in Vaginal Tissues from Fibulin-5 Knockout Mice and During Normal Pregnancy, Parturition, and the Puerperium. Society for Gynecologic Investigation (SGI) 54<sup>th</sup> Annual Scientific Meeting, Reno, Nevada. **President's Presenter Award**

## **Publications**

1. Wieslander CK, Rahn DD, Marinis SI, Wai CY, Schaffer, JI, Corton MM. Vascular Anatomy of the presacral space in unembalmed female cadavers. Am J Obstet Gynecol 2006; 195:1736-1741.
2. Wang J, Wieslander CK, Hansen G, Cass I, Karlan B, Vasilev S, Holschneider C. Thin endometrial echo complex on ultrasound does not reliably exclude type 2 endometrial cancers. Gynecologic Oncology 2006; 101: 120-5.
3. Wieslander CK, Dandade D, Wheeler JM. Therapeutic Gynecologic Procedures. In: DeCherney, A.H., Nathan, L., Goodwin, T.M., Laufer, N., eds. Current Obstetrics and Gynecology Diagnosis and Treatment, 10<sup>th</sup> Edition. New York: McGraw-Hill, 2007: 796-818.

4. Schaffer JI, Rahn DD, Wieslander CK. Overview of treatment for disorders of pelvic support. In: Ostergard's Urogynecology and Pelvic Floor Dysfunction, 6<sup>th</sup> edition. Editors: Alfred E. Bent, Donald R Ostergard, Geoffrey W. Cundiff, Steven E. Swift. Philadelphia: Lippincott Williams & Wilkins, 2006.
5. Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Neurovascular anatomy of the sacrospinous ligament region in female cadavers: Implications in sacrospinous ligament fixation. Am J Obstet Gynecol 2007; 197: 660.e1-6.
6. Rahn DD, Bleich AT, Wai CY, Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Anatomic Relationships of the Distal Third of the Pelvic Ureter, Trigone, and Urethra in Unembalmed Female Cadavers. Am J Obstet Gynecol 2007; 197: 668.e1-4.
7. Wieslander CK, Roshanravan SM, Wai CY, Schaffer JI, Corton MM. Uterosacral ligament suspension sutures: Anatomic relationships in unembalmed female cadavers. Am J Obstet Gynecol 2007; 197: 672.e1-e6.
8. Wieslander CK, Rahn DD, McIntire DD, Acevedo JF, Drewes PG, Yanagisawa H, Word RA. Quantification of pelvic organ prolapse in mice: vaginal protease activity precedes increased MOPQ scores in fibulin-5 knockout mice. Biol Reprod 2008.
9. Wieslander CK, Marinis SI, Drewes PG, Keller PW, Acevedo JF, and Word RA. Regulation of elastolytic proteases in the mouse vagina during pregnancy, parturition, and the puerperium. Biol Reprod 2008; 78: 521-8.

#### **DAVID D. RAHN, MD (2005-2008)**

#### **Presentations**

1. Rahn DD, Marinis SI, Schaffer JI, Corton MM. Anatomical path of the tension-free vaginal tape: reassessing current teachings. Oral presentation, Society of Gynecologic Surgeons, Tucson, AZ, (April 2006). 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons.
2. Wieslander CK, Rahn DD, Marinis SI, Wai CY, Schaffer JI, Corton MM. Vascular Anatomy of the Presacral Space in Unembalmed Female cadavers. Oral presentation, Society of Gynecologic Surgeons, Tucson, AZ, (April 2006). 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons.
3. Schaffer JI, Cundiff GW, Amundsen CL, Bent A, Coates KW, Strohhahn K, Rahn DD, McIntire DD. Do pessaries improve lower urinary tract symptoms? Oral Presentation, Society of Gynecologic Surgeons, Tucson, AZ (April 2006). 32nd Annual Scientific Meeting of the Society of Gynecologic Surgeons.

4. Rahn DD, Wai CY, Marinis SI, Schultz JE, Schaffer JI, Corton MM. Avoiding ureteral injury in gynecologic surgery. Video presentation, American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
5. White AB, Wai CY, McIntire DD, Carrick KS, Rahn DD, Corton MM, Tibbals HF, Schaffer JI. Optimal location and orientation of suture placement in abdominal sacrocolpopexy: tensile strength of the anterior longitudinal ligament. Poster presentation, American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
6. Yau JL, Rahn DD, McIntire DD, Schaffer JI, Wai CY. The natural history of posterior vaginal wall support after abdominal sacrocolpopexy. Poster presentation, American Urogynecologic Society, Palm Springs, CA (October 2006). 27th Annual Scientific Meeting of the American Urogynecologic Society.
7. Rahn DD, Bleich AT, Wai CY, Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Anatomic Relationships of the Distal Third of the Pelvic Ureter, Trigone, and Urethra in Unembalmed Female Cadavers. Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33rd Annual Scientific Session of the Society of Gynecologic Surgeons.
8. Rahn DD, Marker AC, Corton MM, Roshanravan SM, McIntire DD, Schaffer JI, Wai CY. Does supracervical hysterectomy provide more support to the vaginal apex than total abdominal hysterectomy? Oral-Poster presentation, Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33rd Annual Scientific Session of the Society of Gynecologic Surgeons.
9. Bleich AT, Rahn DD, Wieslander CK, Wai CY, Roshanravan SM, Corton MM. Posterior division of the internal iliac artery: anatomic variations and clinical implications. Oral-Poster presentation, Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33rd Annual Scientific Session of the Society of Gynecologic Surgeons.
10. Marker AC, Rahn DD, Corton MM, Roshanravan SM, McIntire DD, Schaffer JI, Wai CY. Comparison of apical vaginal support between supracervical and total abdominal hysterectomy. Oral presentation, 15th Annual Resident Research Day (April 2007). 78<sup>th</sup> Annual Meeting of the Texas Association of Obstetricians and Gynecologists.
11. Rahn DD, Acevedo JF, Hornstra IK, Roshanravan SM, Word RA. Role of elastic fibers in the pathophysiology of pelvic organ prolapse: lessons learned from two mouse models. Oral Presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28th Annual Scientific Meeting of the American Urogynecologic Society.



12. Rahn DD, Acevedo JF, Word RA. Effect of vaginal distention on elastic fiber synthesis and degradation in the vaginal wall: potential role for pathogenesis of pelvic organ prolapse. Oral Presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28th Annual Scientific Meeting of the American Urogynecologic Society.
13. Rahn DD, Ruff MD, Brown S, Tibbals HF, Word RA. Biomechanical properties of the mouse vagina: changes seen in pregnancy and with elastinopathy. Oral Presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28th Annual Scientific Meeting of the American Urogynecologic Society.
14. Rahn DD, Acevedo JF, Keller PW, Marmorstein LY, Roshanravan SM, Word RA. Pelvic organ prolapse in Fibulin3 knockout mice. Oral Presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28th Annual Scientific Meeting of the American Urogynecologic Society.
15. Rahn DD, White AB, Word RA, Schaffer JI, Wai CY. Effect of pregnancy, parturition, and fourth degree laceration on the function of the external anal sphincter. Poster Presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28th Annual Scientific Meeting of the American Urogynecologic Society.
16. Wai CY, Rahn DD, White AB, Schaffer JI, Word RA. Effect of vaginal distention and sphincter laceration on recovery of external anal sphincter function in an animal model. Oral Presentation, AUGS, Hollywood, FL (September 2007). 28<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
17. Vu AM, Kim JT, McIntire MM, Rahn DD, Yau JL, Schaffer JI, Wai CY. Comparison of uterosacral ligament suspension with abdominal sacrocolpopexy for the surgical repair of the vaginal apex. Poster presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28th Annual Scientific Meeting of the American Urogynecologic Society.
18. Rahn DD, Acevedo JF, Keller PW, Marmorstein LY, Word RA. The role of fibulin-3 in pelvic organ prolapse. Poster Presentation, Society of Gynecologic Investigation, San Diego, CA (March 2008). 55th Annual Scientific Meeting of the Society of Gynecologic Investigation.
19. Rahn DD, Acevedo JF, Word RA. Role of vaginal distention in the pathogenesis of pelvic organ prolapse. Poster Presentation, Society of Gynecologic Investigation, San Diego, CA (March 2008). 55th Annual Scientific Meeting of the Society of Gynecologic Investigation.
20. Stone RJ, Rahn DD, Vu AM, White AB, Wai CY. Abdominal hysterectomy with or without “angle stitch”: correlation with subsequent vaginal vault prolapse. Oral

presentation, 16th Annual Resident Research Day, Ft. Worth, TX (March 2008).  
79<sup>th</sup> Annual Meeting of the Texas Association of Obstetricians and Gynecologists.

21. Stone RJ, Rahn DD, Vu AM, White AB, Wai CY. Abdominal hysterectomy with or without “angle stitch”: correlation with subsequent vaginal vault prolapse. Oral presentation, Society of Gynecologic Surgeons, Savannah, GA (April 2008). 34th Annual Scientific Session of the Society of Gynecologic Surgeons. **President's Award for Outstanding Research in Gynecologic Surgery**
22. Rahn DD, Phelan JN, White AB, Corton MM. Clinical correlates of anterior abdominal wall neurovascular anatomy in gynecologic surgery. Oral Presentation, American Urogynecologic Society, Chicago, IL (September 2008). 29th Annual Scientific Meeting of the American Urogynecologic Society.
23. Acevedo JF, Rahn DD, Roshanravan SM, Word RA. Pelvic Organ Prolapse and Hernias. Oral Presentation, American Urogynecologic Society, Chicago, IL (September 2008). 29th Annual Scientific Meeting of the American Urogynecologic Society.

## **Publications**

1. Rahn DD, Boreham MK, Allen K, Nihira MA, Schaffer JI. Predicting bacteriuria in urogynecology patients. Am J Obstet Gynecol 2005; 192:1376-8.
2. Rahn DD, Marinis SI, Schaffer JI, Corton MM. Anatomical path of the tension-free vaginal tape: reassessing current teachings. Am J Obstet Gynecol 2006; 195: 1809-13.
3. Wieslander CK, Rahn DD, Marinis SI, Wai CY, Schaffer JI, Corton MM. Vascular Anatomy of the Presacral Space in Unembalmed Female cadavers. Am J Obstet Gynecol 2006; 195:1736-1741.
4. Yau JL, Rahn DD, McIntire DD, Schaffer JI, Wai CY. The natural history of posterior vaginal wall support after abdominal sacrocolpopexy with and without posterior colporrhaphy. Am J Obstet Gynecol 2007; 196: e45-7.
5. Schaffer JI, Rahn DD, Wieslander CK. Overview of treatment for disorders of pelvic support. In: Ostergard's Urogynecology and Pelvic Floor Dysfunction, 6<sup>th</sup> edition. Editors: Alfred E. Bent, Donald R Ostergard, Geoffrey W. Cundiff, Steven E. Swift. Philadelphia: Lippincott Williams & Wilkins, 2006.
6. Rahn DD, Bleich AT, Wai CY, Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Anatomic Relationships of the Distal Third of the Pelvic Ureter, Trigone, and Urethra in Unembalmed Female Cadavers. Am J Obstet Gynecol

2007; 197: 668.e1-4.

7. Rahn DD, Marker AC, Corton MM, Roshanravan SM, McIntire DD, Schaffer JI, Wai CY. Does supracervical hysterectomy provide more support to the vaginal apex than total abdominal hysterectomy? *Am J Obstet Gynecol* 2007; 197: 650.e1-4
8. Bleich AT, Rahn DD, Wieslander CK, Wai CY, Roshanravan SM, Corton MM. Posterior division of the internal iliac artery: anatomic variations and clinical implications. *Am J Obstet Gynecol* 2007; 197: 658.e1-5.
9. Rahn DD, Ruff MD, Brown S, Tibbals HF, Word RA. Biomechanical properties of the mouse vagina: changes seen in pregnancy and with elastinopathy. *Am J Obstet Gynecol* 2008; 198: 590.e1-6.
10. Wai CY, Rahn DD, White AB, Word RA. Recovery of external anal sphincter contractile function after prolonged vaginal distention or sphincter transection in an animal model. *Obstet & Gynecol* 2008; 111 (6): 1426-34.
11. Rahn DD, Acevedo JF, Word RA. Effect of vaginal distention on elastic fiber synthesis and matrix degradation in the vaginal wall: potential role in the pathogenesis of pelvic organ prolapse. *Am J Physiol Regul Integr Comp Physiol* 2008; 295: R1351-8.
12. Rahn DD. Urinary Tract Infections: Contemporary Management. *Urol Nurs* 2008; 28: 333-41.
13. Sung VW, Rogers RG, Schaffer JI, Balk EM, Uhlig K, Lau J, Abed H, Wheeler TL, Morrill MY, Clemons JL, Rahn DD, Lukban JC, Lowenstein L, Kenton K, Young SB. Graft use in transvaginal pelvic organ prolapse repair. *Obstet Gynecol* 2008; 112: 1131-42.
14. Murphy M, for the Society of Gynecologic Surgeons Systematic Review Group. Clinical practice guidelines on vaginal graft use from the Society of Gynecologic Surgeons. *Obstet Gynecol* 2008; 112: 1123-30.
15. Rahn DD, Stone RJ, Vu AM, White AB, Wai CY. Abdominal hysterectomy with or without "angle stitch": correlation with subsequent vaginal vault prolapse. *Am J Obstet Gynecol* 2008; 199: 669.e1-4.
16. Wieslander CK, Rahn DD, McIntire DD, Acevedo JF, Drewes PG, Yanagisawa H, Word RA. Quantification of pelvic organ prolapse in mice: vaginal protease activity precedes increased MOPQ scores in fibulin-5 knockout mice. *Biol Reprod* 2009 Mar;80(3):407-14.

## SHAYZREEN M. ROSHANRAVAN, MD (2006-2009)

### Presentations

1. Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Neurovascular Anatomy of the Greater Sciatic Foramen in Sacrospinous Ligament Region in Female Cadavers: Implications in Sacrospinous Ligament and Ileococcygeal Fascia Vaginal Vault Suspension. 33<sup>rd</sup> Annual Meeting of the Society of Gynecologic Surgeons (SGS), Orlando, Florida, 2007.
2. Rahn DD, Bleich AT, Wai CY, Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Anatomic Relationships of the Distal Third of the Pelvic Ureter, Trigone, and Urethra in Unembalmed Female Cadavers. Oral presentation, Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33<sup>rd</sup> Annual Scientific Session of the Society of Gynecologic Surgeons.
3. Wieslander CK, Roshanravan SM, Schaffer JI, Corton MM. Uterosacral Ligament Suspension Sutures: Anatomic Relationships in Unembalmed Female Cadavers. Oral presentation, Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33<sup>rd</sup> Annual Scientific Session of the Society of Gynecologic Surgeons.
4. Rahn DD, Marker AC, Corton MM, Roshanravan SM, McIntire DD, Schaffer JI, Wai CY. Does supracervical hysterectomy provide more support to the vaginal apex than total abdominal hysterectomy? 33<sup>rd</sup> Annual Meeting of the Society of Gynecologic Surgeons (SGS), Orlando, Florida, 2007.
5. Bleich AT, Rahn DD, Wieslander CK, Wai CY, Roshanravan SM, Corton MM. Posterior division of the internal iliac artery: anatomic variations and clinical implications. Oral-Poster presentation, Society of Gynecologic Surgeons, Orlando, FL (April 2007). 33<sup>rd</sup> Annual Scientific Session of the Society of Gynecologic Surgeons.
6. Marker AC, Rahn DD, Corton MM, Roshanravan SM, McIntire DD, Schaffer JI, Wai CY. Comparison of apical vaginal support between supracervical and total abdominal hysterectomy. Oral presentation, 15<sup>th</sup> Annual Resident Research Day (April 2007). 78<sup>th</sup> Annual Meeting of the Texas Association of Obstetricians and Gynecologists.
7. Rahn DD, Acevedo JF, Hornstra IK, Roshanravan SM, Word RA. Role of elastic fibers in the pathophysiology of pelvic organ prolapse: lessons learned from two mouse models. Oral Presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
8. Rahn DD, Acevedo JF, Keller PW, Marmorstein LY, Roshanravan SM, Word RA.

Pelvic organ prolapse in Fibulin3 knockout mice. Oral Presentation, American Urogynecologic Society, Hollywood, FL (September 2007). 28th Annual Scientific Meeting of the American Urogynecologic Society.

9. Roshanravan SM, McIntire DD, Corton MM. Cloacal deformities following obstetrical injury: peri-operative management and outcomes of repair. Poster presentation, Society of Gynecologic Surgeons, Savannah, GA (April 2008). 34th Annual Scientific Session of the Society of Gynecologic Surgeons.
10. Roshanravan SM, Pietz JA, Corton MM. Fourth Degree Obstetrical Lacerations: Anatomy and Repair. Oral presentation, American College of Obstetricians and Gynecologists, New Orleans, LA (May 2008). 56th Annual Clinical Meeting (ACOG) **2<sup>nd</sup> Prize Video Award**
11. Roshanravan SM, Keller PW, Acevedo JF Word RA, Drewes PG. Effect of Estrogen on Processing of Procollagen and Lysl Oxidases in the Vaginal Wall. Oral Presentation, American Urogynecologic Society, Chicago, IL (September 2008). 29th Annual Scientific Meeting of the American Urogynecologic Society.
12. Acevedo JF, Rahn DD, Roshanravan SM, Word RA. Pelvic Organ Prolapse and Hernias. Oral Presentation, American Urogynecologic Society, Chicago, IL (September 2008). 29th Annual Scientific Meeting of the American Urogynecologic Society.
13. Roshanravan SM, Oksenberg LE, White AB, Schaffer JI, Corton MM. Neuroanatomy and physiology of the lower urinary tract with clinical applications. Oral presentation, Society of Gynecologic Surgeons, New Orleans, LA (March 2009). 35<sup>th</sup> Annual Scientific Session of the Society of Gynecologic Surgeons.

## **Publications**

1. Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Neurovascular anatomy of the sacrospinous ligament region in female cadavers: Implications in sacrospinous ligament fixation. Am J Obstet Gynecol 2007; 197: 660.e1-6.
2. Wieslander CK, Roshanravan SM, Wai CY, Schaffer JI, Corton MM. Uterosacral ligament suspension sutures: Anatomic relationships in unembalmed female cadavers. Am J Obstet Gynecol 2007; 197: 672.e1-e6.
3. Rahn DD, Bleich AT, Wai CY, Roshanravan SM, Wieslander CK, Schaffer JI, Corton MM. Anatomic Relationships of the Distal Third of the Pelvic Ureter, Trigone, and Urethra in Unembalmed Female Cadavers. Am J Obstet Gynecol 2007; 197: 668.e1-4.
4. Rahn DD, Marker AC, Corton MM, Roshanravan SM, McIntire DD, Schaffer JI, Wai

- CY. Does supracervical hysterectomy provide more support to the vaginal apex than total abdominal hysterectomy? Am J Obstet Gynecol 2007; 197: 650.e1-4.
5. Bleich AT, Rahn DD, Wieslander CK, Wai CY, Roshanravan SM, Corton MM. Posterior division of the internal iliac artery: anatomic variations and clinical implications. Am J Obstet Gynecol 2007; 197: 658.e1-5.
  6. Rahn DD, Phelan JN, Roshanravan SM, White AB, Corton MM. Anterior abdominal wall nerve and vessel anatomy: clinical implications for gynecologic surgery. Am J Obstet Gynecol 2010; 202: 234.e1-5.

### **AMANDA WHITE, MD (2007-2010)**

#### **Presentations**

1. White AB, Wai CY, McIntire DD, Carrick KS, Rahn DD, Corton MM, Tibbals HF, Schaffer JI. Optimal Location and Orientation of Suture Placement in Abdominal Sacrocolpopexy: Tensile Strength of the Anterior Longitudinal Ligament. Poster presentation, AUGS, Palm Springs, California (October 2006). 27<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
2. Rahn DD, White AB, Word RA, Schaffer JI, Wai CY. Effect of pregnancy, parturition, and fourth degree laceration on function of the external anal sphincter. Poster Presentation, AUGS, Hollywood, FL (September 2007). 28<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
3. Wai CY, Rahn DD, White AB, Schaffer JI, Word RA. Effect of vaginal distention and sphincter laceration on recovery of external anal sphincter function in an animal model. Oral Presentation, AUGS, Hollywood, FL (September 2007). 28<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
4. White AB, Wai CY, Schaffer JI, Cundiff GW, Amundsen CL, Bent A, Coates KW, Strobehn K. PESSRI Trial: Regression of Pelvic Organ Prolapse Over Time with Pessary Use. Poster Presentation, AUGS, Hollywood, FL (September 2007). 28<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
5. Stone RJ, Vu MK, Rahn DD, White AB, Wai CY. Abdominal hysterectomy with or without "angle stitch": Correlation with subsequent vaginal vault prolapse. Oral presentation, TAOG, Fort Worth, Texas (April 2007). 16<sup>th</sup> Annual Resident Research Day, Texas Association of Obstetricians and Gynecologists.
6. White AB, Corton MM, Schaffer JI, Wai CY. Sacrospinous ligament fixation: Anatomic estimates of vaginal length and axis in female cadavers. Oral Presentation, SGS, Savannah, GA (April 2008). 34<sup>th</sup> Annual Scientific Meeting of

the Society of Gynecologic Surgeons.

7. Stone RJ, Vu MK, Rahn DD, White AB, Wai CY. Abdominal hysterectomy with or without “angle stitch”: Correlation with subsequent vaginal vault prolapse. Oral Presentation, SGS, Savannah, GA (April 2008). 34th Annual Scientific Meeting of the Society of Gynecologic Surgeons. President's Award for Outstanding Research in Gynecologic Surgery
8. Roshanravan SM, Oksenberg LE, White AB, Corton MM. Neuroanatomy and physiology of the lower urinary tract with clinical applications. Video presentation, SGS, New Orleans, LA (April 2009). 35<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
9. Rahn DD, Phelan JN, White AB, Corton MM. Clinical correlates of anterior abdominal wall neurovascular anatomy in gynecologic surgery. Oral Presentation, American Urogynecologic Society, Chicago, IL (September 2008). 29th Annual Scientific Meeting of the American Urogynecologic Society.
10. Good MM, Good LB, Ruff MD, White AB, Brown SA, Wai CY. Impact of suture type and caliber and level of resident training on the strength of surgical knots. Poster Presentation, SGS, New Orleans, LA (April 2009), 35th Annual Scientific Meeting of the Society of Gynecologic Surgeons.
11. White AB, Keller PW, Acevedo JF, Word RA, Wai CY. Effect of myogenic stem cells on contractile properties of repaired and non-repaired external anal sphincter transection. Oral presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society. **Best Scientific Presentation**
12. White AB, Keller PW, Acevedo JF, Word RA, Wai CY. Satellite cell recruitment: effect of insulin-like growth factor-1 on external anal sphincter function after injury. Oral presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
13. White AB, Keller PW, Acevedo JF, Wai CY, Word RA. Aging alters tissue-specific responsiveness of the lower urinary tract to botulinum toxin A. Oral-poster presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
14. White AB, Good MM, Wai CY, Word RA. Functional changes of the lower urinary tract during aging. Oral presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
15. White AB, Keller PW, Word RA. Striated muscles of the pelvic floor undergo age-related adaptations in myosin heavy chain gene expression. Poster Presentation,

AUGS, Hollywood, FL (September 2009). 30th Annual Scientific Meeting of the American Urogynecologic Society.

16. Molden S, Bracken J, Patterson D, Nguyen A, Harvie HS, Tarr M, White AB, Sanses T, Hammil SL, Muphy M, Rogers RG. Risk factors leading to post sling voiding dysfunction and sling revision: a multicenter case-control study. Oral Presentation, SGS, Phoenix, AZ (April 2010). 36th Annual Scientific Meeting of the Society of Gynecologic Surgeons.
17. Molden S, Bracken J, Patterson D, Nguyen A, Harvie HS, Tarr M, White AB, Sanses T, Hammil SL, Muphy M, Rogers RG. A retrospective multicenter study on outcomes after midurethral polypropylene sling (mus) revision for voiding dysfunction. Oral Presentation, SGS, Phoenix, AZ (April 2010). 36th Annual Scientific Meeting of the Society of Gynecologic Surgeons.

### **Publications**

1. Wai CY and White AB. Vesicovaginal fistula: Diagnosis and management. Current Women's Health Review 2006; 2: 155-162.
2. Wai CY, Rahn DD, White AB, Word RA. Recovery of external anal sphincter contractile function after prolonged vaginal distention or sphincter transection in an animal model. Obstet Gynecol 2008; 111: 1426-34.
3. White AB, Wai CY, Marinis SI, Schaffer JI. Bilateral ureteric obstruction of a duplicated collecting system improves after surgical correction of procidentia. J Reprod Med 2008; 53: 449-52.
4. Rahn DD, White AB, Miller RT, Word RA, Wai CY. Effect of pregnancy, parturition, and fourth degree laceration on function of the external anal sphincter. Obstet Gynecol 2009;
5. White AB, Carrick KS, Corton MM, McIntire DD, Word RA, Rahn DD, Wai CY. Optimal location and orientation of suture placement in abdominal sacrocolpopexy Obstet Gynecol 2009; 113: 1098-103.
6. Rahn DD, Phelan JN, Roshanravan SM, White AB, Corton MM. Anterior abdominal wall nerve and vessel anatomy: clinical implications for gynecologic surgery. Am J Obstet Gynecol 2010 Mar;202(3):234.e1-5
7. White AB, Keller PW, Acevedo JF, Word RA, Wai CY. Effect of myogenic stem cells on contractile properties of repaired and non-repaired external anal sphincter transection. Obstet Gynecol 2010; 115: 815-832.



8. Molden S, Patterson D, Tarr M, Sanses T, Bracken J, Nguyen A, Harvie HS, White AB, Hammil SA, Murphy M, Rogers RG. Risk factors leading to midurethral sling revision: a multicenter case-control study. Int Urogynecol J Pelvic Floor Dysfunct 2010; 21: 1253-9.

### **SUJATHA PATHI, MD (2008-2011)**

#### **Presentations**

1. Pathi S, Tarnay C. Transobturator Midurethral Sling Using a Heavyweight Polypropylene Hernia Mesh: Efficacy and Complications. Poster, American Urogynecologic Society, Hollywood, Florida (September 2007). 28<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
2. Pathi S, Corton M. Variability of the Retropubic Space Anatomy in Female Cadavers. Poster presentation, Society for Gynecologic Surgeons, New Orleans, Louisiana (March 2009). 35<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
3. Pathi S, Good MM, Marker AE, Corton MM, Gala RB, McIntire DD, Wai CY. Teaching and evaluating surgical skills intraoperatively: vaginal hysterectomy. Poster presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
4. Pathi S, Good MM, Marker AE, Corton MM, Gala RB, McIntire DD, Wai CY. Teaching and evaluating surgical skills intraoperatively: vaginal hysterectomy. Poster presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
5. Pathi SD, Sailors JL, Graziano V, Sims R, Stone RJ, McIntire DD, Rahn DD, Wai CY. Utility of clinical parameters, cystourethroscopy, and magnetic resonance imaging in the preoperative diagnosis of urethral diverticula. Oral poster presentation, SGS, Tucson, AZ (April 2009), 36<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
6. Pathi SD, Acevedo JF, Annavarapu HK, Keller PW, Wai CY, Word RA. Acute phase regeneration of the injured external anal sphincter is altered by local and IV mesenchymal stem cells. Oral presentation, AUGS, Longbeach, CA (September 2010). 31<sup>st</sup> Annual Scientific Meeting of the American Urogynecologic Society.
7. Pathi S, Harikishore A, Itoh H, Keller P, Word RA. Epithelial Stromal Interactions Regulate LOX Expression in the Vaginal Wall. Oral presentation, AUGS, Long Beach, CA (September 2010). 31<sup>st</sup> Annual Scientific Meeting of the American Urogynecologic Society. **Best Basic Science Paper**

## **Publications**

1. Word RA, Pathi S, Schaffer JI. Pathophysiology of pelvic organ prolapse. *Obstet Gynecol Clin North Am* 2009; 36: 521-39.
2. Pathi SD, Castellanos ME, Corton MM. Variability of the retropubic space anatomy in female cadavers. *Am J Obstet Gynecol* 2009; 201: 524.e1-5.
3. Pathi SD, Acevedo JF, Keller PW, Annavarapu K, Miller RT, Wai CY, Word RA. Recovery of the injured external anal sphincter after local or intravenous mesenchymal stem cells. *Obstet Gynecol* 2012; 119: 134-44.
4. Pathi SD, Rahn DD, Sailors J, Graziano V, Sims R, Stone R, McIntire DD, Wai CY. Utility of clinical parameters, cystourethroscopy, and magnetic resonance imaging in the preoperative diagnosis of urethral diverticula. *Int Urogynecol J* 2013; 24: 319-23.

## **SUNIL BALGOBIN, MD (2009-2012)**

## **Presentations**

1. Balgobin S, Hamid CA, Ruff MD, Brown SA, Wai CY. Security of Different Surgical Knots Used for Cuff Closure in a Vaginal Hysterectomy Model. Poster Presentation, SGS, Savannah, GA (April 2008). 34<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
2. Balgobin S, Hamid CA, Wai CY. Flat square knot or not? Poster Presentation, SGS, New Orleans, LA (April 2009), 35<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
3. Balgobin S, Hamid CA, Wai CY. Evaluation of laparoscopic ambidexterity in senior residents. Poster presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
4. Schimpf MO, Harvie HS, Omotosho TB, Epstein MJ, Olivera CK, Rooney KE, Balgobin S, Ibeanu O, Gala RB, Rogers RG. "Does Vaginal Size Impact Sexual Activity and Function?" Oral Presentation, AUGS, Hollywood, FL (September 2009), 30<sup>th</sup> Annual Meeting of the American Urogynecologic Society.

5. Omotosho TB, Harvie HS, Schimpf MO, Epstein MJ, Olivera CK, Rooney KE, Balgobin S, Ibeanu O, Gala RB, Rogers RG. "Sexual Activity and Function in Women With and Without Pelvic Floor Disorders: A Cohort Study." Oral Presentation, AUGS, Hollywood, FL (September 2009), 30<sup>th</sup> Annual Meeting of the American Urogynecologic Society.
6. Balgobin S, Hamid CA, Good MM, Good LB, Brown SA, Wai CY. Microscopic Configuration and Integrity of Flat Square Knots. Oral poster presentation, SGS, Tucson, AZ (April 2010), 36<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
7. Balgobin S, Oksenberg LE, Schaffer JI, Corton MM, Wai CY. Basic intraoperative cystourethroscopy. Oral presentation, AUGS, Longbeach, CA (September 2010). 31<sup>st</sup> Annual Scientific Meeting of the American Urogynecologic Society.
8. Balgobin S, Hamid CA, Wai CY. Basic surgical skills: performance and perceptions of the novice resident surgeon. Poster presentation, AUGS, Longbeach, CA (September 2010). 31<sup>st</sup> Annual Scientific Meeting of the American Urogynecologic Society.
9. Balgobin S, Fitzwater JL, White AB, McIntire DD, Brown SA, Wai CY. Effect of Mesh Width on Vaginal Apical Support after Abdominal Sacrocolpopexy. Oral presentation, SGS, San Antonio, TX (April 2011). 37<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
10. Balgobin S, Hamid CA, Caudle C, Corton MM, Schaffer JI, Wai CY. Basic Gynecologic Surgical Instruments and Technique. Video presentation, SGS Videofest, San Antonio, TX (April 2011). 37<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
11. Balgobin S, Carrick KS, Montoya TI, Hamid CA, Schaffer JI, Corton MM. Surgical dimensions and histology of the vesicocervical space. Poster presentation, SGS, San Antonio, TX (April 2011). 37<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
12. Balgobin S, Montoya TI, Acevedo JF, Keller P, Wai CY, Word A. Estrogen alters remodeling of the vaginal wall after posterior colpoperineorrhaphy: potential mechanisms. Oral presentation, AUGS, Providence, RI, (September 2011). 32<sup>nd</sup> Annual Scientific Meeting of the American Urogynecologic Society. Best Resident/Fellow Paper
13. Balgobin S, Acevedo JF, Word A, Wai CY. Effect of repeat injury on contractile function of the external anal sphincter. Poster presentation, AUGS, Providence, RI, (September 2011). 32<sup>nd</sup> Annual Scientific Meeting of the American Urogynecologic Society.

14. Grande KB, Fitzwater JL, Balgobin S, Delgado IJ, Brown SA, Wai CY. Effect of variations in mesh configuration and orientation on the biomechanical properties of polypropylene mesh used in prolapse repair. Poster presentation, AUGS, Providence, RI, (September 2011). 32<sup>nd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
15. Balgobin S, Acevedo JA, Shi H, Wai CY, Word RA. *The Guinea Pig as a Model for Vaginal Surgery and Menopause*. Poster presentation, SGS, Baltimore, MD (April 2012). 38<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
16. Balgobin S, Acevedo JA, Keller P, Wai CY, Word RA. *Vaginal surgical injury and estrogen alter elastic fiber gene expression in the healing vaginal wound*. Poster presentation, SGS, Baltimore, MD (April 2012). 38<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
17. Balgobin S, Acevedo JF, Montoya TI, Word A, Wai CY. Effect of time interval between repeat transection on recovery of external anal sphincter contractile function in an animal model. Oral presentation, IUGA, Brisbane, Australia (September 2012). 37<sup>th</sup> Annual Scientific Meeting of the International Urogynecological Association.
18. Balgobin S, Cowdrey DA, Montoya TI, Acevedo J, Schaffer J, Wai CY. Delayed repair of transected external anal sphincter on contractile function. Oral poster presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
19. Good MM, Abele TA, Balgobin S, Schaffer JI, Slocum P, & Corton MM. Vascular and Ureteral Anatomy relative to the mid sacral promontory. Oral presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
20. Balgobin S, Good MM, Dillon SJ, Corton MM. Lowest colpopexy sacral fixation point alters vaginal axis and cul-de-sac depth. Oral presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
21. Good MM, Abele TA, Balgobin S, Schaffer JI, Slocum P, & Corton MM. L5-S1 Discitis—Can it be prevented? Oral presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.

## **Publications**

1. Schlumbrecht M, Balgobin S, Word L. Pyometra after thermal endometrial ablation.

Obstet Gynecol 2007; 110: 538-40.

2. Larrieux JR, Balgobin S. Effect of anatomic urethral length on the correlation between the Q-tip test and descent at point Aa of the POP-Q system. Int Urogynecol J Pelvic Floor Dysfunct 2008; 19: 273-6.
3. Schimpf MO, Harvie HS, Omotosho TB, Epstein LB, Jean-Michel M, Olivera CK, Rooney KE, Balgobin S, Ibeanu OA, Gala RB, Rogers RG; Society of Gynecologic Surgeons Fellows' Pelvic Research Network. Does vaginal size impact sexual activity and function? Int Urogynecol J Pelvic Floor Dysfunct 2010; 21: 447-52.
4. Fashokun TB, Harvie HS, Schimpf MO, Olivera CK, Epstein LB, Jean-Michel M, Rooney KE, Balgobin S, Ibeanu OA, Gala RB, Rogers RG. Sexual activity and function in women with and without pelvic floor disorders. Int Urogynecol J 2013; 24: 91-7.
5. Balgobin S, Acevedo JF, Montoya TI, Word RA, Wai CY. Effect of repeat acute injury on contractile function of the external anal sphincter in an animal model. Int Urogynecol J 2013; 24: 637-43.
6. Good MM, Abele TA, Balgobin S, Schaffer JI, Slocum P, McIntire D, Corton MM. Preventing L5–S1 discitis associated with sacrocolpopexy. Obstet Gynecol 2013; 121: 285-290.
7. Balgobin S, Hamid CA, Brown SA, Wai CY. Mechanical performance of surgical knots in a vaginal surgery model. J Surg Educ 2013; 70: 340-4.
8. Good MM, Abele TA, Balgobin S, Montoya TI, McIntire D, Corton MM. Vascular and ureteral anatomy relative to the mid sacral promontory. Am J Obstet Gynecol 2013; 208: 486.e1-7.
9. Balgobin S, Good MM, Dillon SJ, Corton MM. Lowest colpopexy sacral fixation point alters vaginal axis and cul-de-sac depth. Am J Obstet Gynecol. 2013; 208: 488.e1-6.

### **TEODORO MONTOYA, MD (2010-2013)**

#### **Presentations**

1. Halvorson LM, Lambrakos L, Montoya TI, Muncy C. GnRH regulation of PACAP gene expression. Society for Gynecologic Investigation Annual Scientific Meeting, 2006. Oral presentation.

2. Montoya TI, Vera RW, Mulla ZD. Surgery for correction of pelvic floor disorders in Texas Hispanics: an epidemiologic study. American College of Epidemiology Annual Meeting, 2009. Poster presentation.
3. Montoya TI, Vera RW. An unusual presentation of a late complication of a midurethral sling placed by the transobturator route. Poster Presentation, AUGS, Hollywood, FL (September 2009), 30<sup>th</sup> Annual Meeting of the American Urogynecologic Society.
4. Montoya TI, Calver L, Carrick KS, Prats J, Corton MM. Anatomic relationships of the pudendal nerve branches: assessment of injury risk with common surgical procedures. Oral presentation, SGS, San Antonio, TX (April 2011). 37<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons. **President's Fellow Award Outstanding Research in Gynecologic Surgery.**
5. Balgobin S, Carrick KS, Montoya TI, Hamid CA, Schaffer JI, Corton MM. Surgical dimensions and histology of the vesicocervical space. Poster presentation, SGS, San Antonio, TX (April 2011). 37<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
6. Balgobin S, Montoya TI, Acevedo JF, Keller P, Wai CY, Word A. Estrogen alters remodeling of the vaginal wall after posterior colpoperineorrhaphy: potential mechanisms. Oral presentation, AUGS, Providence, RI, (September 2011). 32<sup>nd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
7. Montoya TI, Luebbehusen HI, Schaffer JI, Wai CY, Rahn DD, Corton MM. Sensory neuropathy following suspension of the vaginal apex to the uterosacral ligaments. Poster presentation, AUGS, Providence, RI, (September 2011). 32<sup>nd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
8. Montoya TI, Grande K, Rahn DD. National practice patterns and factors guiding route of surgery for repair of primary versus recurrent apical compartment vaginal prolapse. Poster presentation, SGS, Baltimore, MD (April 2012). 38<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
9. Montoya TI, Street JJ, Corton MM. Anatomic relationships of single incision midurethral slings: A cadaver study. Poster presentation, SGS, Baltimore, MD (April 2012). 38<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
10. Treszezamsky A, Karp D, Dick M, Ehsani N, Dancz C, Montoya TI, Olivera C, Smith A, Cardenas R, Fashokun T, Bradley C. Spanish translation and validation of the PFDI-20, PFIQ-7, QUID and 3IQ questionnaires. Poster presentation, SGS,

Baltimore, MD (April 2012). 38<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.

11. Montoya TI, Grande K, Rahn DD. National practice patterns and factors guiding route of surgery for repair of primary vs. recurrent apical compartment vaginal prolapse. Poster presentation, SGS, Baltimore, MD (April 2012). 38<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
12. Montoya TI, Street JJ, Corton MM. Anatomic relationships of single incision midurethral slings. Poster presentation, SGS, Baltimore, MD (April 2012). 38<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
13. Montoya TI, Acevedo J, Word RA. Effect of vaginal or systemic estrogen on dynamics of collagen assembly in the fibromuscular layer of the vaginal wall. Oral presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
14. Montoya TI, Zhou J, Acevedo J, Tsunozumi J, Tang L, Yanagisawa H, Word RA. Development of thermosensitive nanoparticle hydrogels for protein delivery in connective tissues of the pelvic floor. Oral poster presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
15. Montoya TI, Acevedo J, Word RA. Physiological effects of systemic or vaginal estrogen on connective tissues of the vaginal wall. Oral poster presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
16. Montoya TI, Budatha M, Keller P, Wieslander C, Roshanravan S, Yanagisawa H, Word RA. Compartmentalization and regulation of proteases and their inhibitors in the vaginal wall. Poster presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
17. Balgobin S, Cowdrey DA, Montoya TI, Acevedo J, Schaffer J, Wai CY. Delayed repair of transected external anal sphincter on contractile function. Oral poster presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
18. Montoya TI, LeClaire EL, McPencow AM, Crane AK, Cichowski S, Oakley S, Hamilton Boyles S, Rahn DD. Risks for venous thromboembolism in women undergoing pelvic reconstructive surgery: a Fellows' Pelvic Research Network Study. Oral presentation, SGS, Charleston, SC (April 2013). 39<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons. **Fellow's 2<sup>nd</sup> Prize Award Outstanding Research in Gynecologic Surgery**

19. Montoya TI, Dillon SJ, Balgobin S, Wai CY. Functional and anatomic comparison of 2 versus 3 suture placement for uterosacral ligament suspension in a cadaveric model. Oral presentation, SGS, Charleston, SC (April 2013). 39<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.

## **Publications**

1. Grafer CM, Thomas R, Lambrakos L, Montoya TI, White S, Halvorson LM. Gonadotropin-releasing hormone (GnRH) stimulates expression of pituitary adenylate cyclase-activating polypeptide (PACAP) in the pituitary gonadotropes via both the protein kinase A (PKA) and protein kinase C (PKC) signaling systems. *Molecular Endocrinology* 2009; 23: 1022-1032.
2. Montoya TI, Calver L, Carrick KS, Prats J, Corton MM. Anatomic relationships of the pudendal nerve branches. *Am J Obstet Gynecol*. 2011; 205: 504.e1-5
3. Montoya TI, Luebbehusen HI, Schaffer JI, Wai CY, Rahn DD, Corton MM. Sensory neuropathy following suspension of the vaginal apex to the proximal uterosacral ligaments. *Int Urogynecol J* 2012; 23 (12): 1735-1740.
4. Montoya TI, Grande KB, Rahn DD. Apical vaginal prolapse surgery: practice patterns and factors guiding route of repair. *Female Pelvic Med Reconstr Surg* 2012; 18: 315-20.
5. Treszezamsky A, Karp D, Dick M, Ehsani N, Dancz C, Montoya TI, Olivera C, Smith A, Cardenas R, Fashokun T, Bradley C. Spanish translation and validation of the PFDI-20, PFIQ-7, QUID and 3IQ questionnaires. *Int Urogynecol J* 2013; 24: 655-70.
6. Balgobin S, Acevedo JF, Montoya TI, Word RA, Wai CY. Effect of repeat acute injury on contractile function of the external anal sphincter in an animal model. *Int Urogynecol J* 2013; 24: 637-43.
7. Montoya TI, Street JJ, Corton MM. Anatomic relationships of single-incision midurethral slings. *Am J Obstet Gynecol* 2013; 208: 75.e1-5.
8. Budatha M, Silva S, Montoya TI, Suzuki A, Shah-Simpson S, Weislander CK, Yanagisawa M, Word RA, Yanagisawa H. Dysregulation of protease and protease inhibitors in a mouse model of human pelvic organ prolapse. *PLoS One* 2013; 8(2): e56376.



9. Montoya TI, LeClaire EL, Oakley SH, Crane AK, McPencow AM, Cichowski S, Rahn DD, Fellows Pelvic Research Network of the Society of Gynecologic Surgeons. Venous thromboembolism in women undergoing pelvic reconstructive surgery with mechanical prophylaxis. *Int Urogynecol J* 2014; 25: 921-6.
10. Montoya TI, Dillon SJ, Balgobin S, Wai CY. Functional and anatomic comparison of 2 versus 3 suture placement for uterosacral ligament suspension: a cadaver study. *Am J Obstet Gynecol* 2013; 209: 486.e1-5.

## **MEADOW GOOD, DO (2011-2014)**

### **Presentations**

1. Good MM, Good LB, McIntire DD, White AB, Brown SA, Wai CY. Surgical knot integrity: the effect of suture type and caliber and level of resident training. Oral presentation, TAOG, Austin, Texas (April 2009). 17th Annual Resident Research Day, Texas Association of Obstetricians and Gynecologists.
2. Good MM, Good LB, Ruff MD, White AB, Brown SA, Wai CY. Impact of suture type and caliber and level of resident training on the strength of surgical knots. Poster presentation, SGS, New Orleans, LA (April 2009), 35th Annual Scientific Meeting of the Society of Gynecologic Surgeons.
3. Pathi S, Good MM, Marker AE, Corton MM, Gala RB, McIntire DD, Wai CY. Teaching and evaluating surgical skills intraoperatively: vaginal hysterectomy. Poster presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
4. White AB, Good MM, Wai CY, Word RA. Functional changes of the lower urinary tract during aging. Oral presentation, AUGS, Hollywood, FL (September 2009). 30<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society.
5. Balgobin S, Hamid CA, Good MM, Good LB, Brown SA, Wai CY. Microscopic Configuration and Integrity of Flat Square Knots. Oral poster presentation, SGS, Tucson, AZ (April 2010). 36<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.

6. Good MM, Abele TA, Balgobin S, Schaffer JI, Slocum P, & Corton MM. L5-S1 Discitis—Can it be prevented? Oral presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
7. Good MM, Abele TA, Balgobin S, Schaffer JI, Slocum P, & Corton MM. Vascular and Ureteral Anatomy relative to the mid sacral promontory. Oral presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
8. Balgobin S, Good MM, Dillon SJ, Corton MM. Lowest colpopexy sacral fixation point alters vaginal axis and cul-de-sac depth. Oral presentation, AUGS, Chicago, IL (October 2012). 33<sup>rd</sup> Annual Scientific Meeting of the American Urogynecologic Society.
9. Newton LA, Good MM, Krapf J, Parker J. You Posted What!? Promoting Social Media Professionalism in the Medical Community. Accepted as breakout session at the Council on Resident Education in Obstetrics and Gynecology – The Association of Professors of Gynecology and Obstetrics, National Annual Meeting, February 2013.
10. Ripperda C, Good MM, Corton MM, Rahn DD. Midurethral sling complications at a large academic training program. Poster presentation, SGS, Charleston, SC (April 2013). 39<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
11. Korbly, N, Good MM, Kassis N, Richardson M, Book N, Yip S, Sagan D, Gross C, Evans J, Harvie H, Sung V. Patient Preference for Uterine Preservation in Women with Pelvic Organ Prolapse: A Fellow's Pelvic Network Research Study. Oral presentation, SGS, Charleston, SC (April 2013). 39<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
12. Good MM, Ripperda C, Rahn DD, Corton MM. Cystometric bladder capacity and other predictors of failed voiding trial after midurethral sling. Oral poster presentation, SGS, Charleston, SC (April 2013). 39<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.
13. Good MM, Korbly N, Kassis N, Richardson M, Book N, Yip S, Sagan D, Gross C, Evans J, Harvie H, Sung V. Prolapse-related knowledge and attitudes towards the uterus in women with prolapse symptoms. Oral presentation, SGS, Charleston, SC (April 2013). 39<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons.

## **Publications**

1. Dodd J, Good MM, Standley PR. Development of an in vitro biophysical strain model of tissue injury and osteopathic manipulative treatment. Journal of the American Osteopathic Association. 2006 March; 106 (3): 157-166.
2. Good MM, Solt I, Acuna J, Rotmensch S & Kim MJ. Methamphetamine use during pregnancy: Maternal and Neonatal Implications. Obstet Gynecol 2010; 116: 330-334.
3. Good MM. Abortion. Patient Encounters: The Obstetrics and Gynecology Work-up. Edited by Rajiv Gala, M.D. Lippincott Williams & Wilkins, 2010.
4. Good MM, Good LB, White AB, Brown SA, Wai CY. Surgical knot integrity: effect of suture type and caliber and level of residency training. J Surg Ed 2013; 70. 156-60.
5. Good MM, Abele TA, Balgobin S, Schaffer JI, Slocum P, Corton MM. Prevention of L5-S1 discitis associated with sacrocolpopexy. Obstet Gynecol 2013; 121:285-90.
6. Good MM, Abele TA, Balgobin S, Montoya TI, Corton MM. Vascular and ureteral anatomy relative to the mid sacral promontory. Am J Obstet Gynecol 2013;208(6):486e1-7.
7. Balgobin S, Good MM, Dillon SJ, Corton MM. Lowest colpopexy sacral fixation point alters vaginal axis and cul-de-sac depth. Am J Obstet Gynecol 2013;208(6):488e1-6.
8. Good MM, Korbly N, Kassis N, Richardson M, Book N, Yip S, Saguan D, Gross C, Evans J, Harvie H, Sung V. Prolapse-related knowledge and attitudes in women with pelvic organ prolapse symptoms. Am J Obstet Gynecol. 2013 Nov;209(5):481.e1-6.
9. Korbly, N, Kassis N, Good MM, Richardson M, Book N, Yip S, Saguan D, Gross C, Evans J, Harvie H, Sung V. Patient Preference for Uterine Preservation in Women with Pelvic Organ Prolapse: A Fellow's Pelvic Network Research Study. Am J Obstet Gynecol. 2013 Nov;209(5):470.e1-6.
10. Balgobin S, Hamid CA, Good MM, Good LB, Brown SA, Wai CY. Microscopic configuration and Integrity of Flat Square Knots. J Surg Educ. 2013 Jan-Feb;70(1):156-60.

## KATHLEEN CHIN, MD (2012-2015)

### Presentations

1. Ripp ZT, Chin K, Hamid CA, Balgobin S. Laparoscopic-assisted vaginal hysterectomy (LAVH): Defining the surgical route and implications for training. 34th Annual Scientific Meeting of the American Urogynecologic Society, Las Vegas, NV, October 2013.
2. Chin K, Smith BC, Schaffer JI, Corton MM. Clinically relevant retropubic and paravesical space anatomy. 34th Annual Scientific Meeting of the American Urogynecologic Society, Las Vegas, NV, October 2013.
3. Chin K, Smith BC, Schaffer JI, Corton MM. Mesh arm position relative to the ureter with anterior access to the sacrospinous ligament. 34th Annual Scientific Meeting of the American Urogynecologic Society, Las Vegas, NV, October 2013.
4. Maldonado P, Slocum P, Chin K, Corton MM. Anatomic Relationships of the Genitofemoral and Femoral Nerves to the Psoas Muscle: Clinical Applications to Psoas Hitch Ureteral Reimplantation Procedures. 40th Annual Scientific Meeting of the Society of Gynecologic Surgeons, Scottsdale, AZ, March 2014.
5. Chin K, Ripp ZT, Hamid CA, Balgobin S. Laparoscopic-assisted vaginal hysterectomy (LAVH) Re-Defined: Impact on resident surgical case log reporting. 40th Annual Scientific Meeting of the Society of Gynecologic Surgeons, Scottsdale, AZ, March 2014.
6. Chin K, Smith BC, Maldonado P, Schaffer JI, Corton MM. Surgically relevant relationships of the ureter in the retropubic space. 40th Annual Scientific Meeting of the Society of Gynecologic Surgeons, Scottsdale, AZ, March 2014.
7. Chin K, Smith BC, Maldonado P, Corton MM. Variability in ureteral distance to uterosacral ligament and uterine vessels with and without cervical traction. 40th Annual Scientific Meeting of the Society of Gynecologic Surgeons, Scottsdale, AZ, March 2014.
8. Ripp Z, Chin K, Hamid C, Balgobin S. Faculty perceptions of laparoscopic-assisted vaginal hysterectomy for resident surgical case log reporting. American Urogynecologic Society/International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014.

9. Maldonado P, Hamid C, Chin K, Balgobin S. Vaginal morcellation and risk of incidental uterine malignancy following vaginal or laparoscopic-assisted vaginal hysterectomy. American Urogynecologic Society/International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014.
10. Chin K, Balgobin S, Montoya I, Shi H, Yanagisawa H, Word R. Animals with tissue-specific knockdown of fibulin-5 are susceptible to development of pelvic organ prolapse. American Urogynecologic Society/International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014.
11. Chin K, Shi H, Balgobin S, Montoya I, Yanagisawa H, Word R. Effect of pregnancy and parturition on pelvic organ support in animals with partial loss of fibulin-5 in the vaginal wall. American Urogynecologic Society/International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014.
12. Chin K, Acevedo J, Keller P, Word R. Effects of local or systemic estrogen on expression of fibulin-5 and MMP-9 in the vaginal wall. American Urogynecologic Society/International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014.
13. Chin K, Acevedo J, Keller P, Word R. Effect of surgical injury on vaginal fibulin-5 and MMP-9 in an animal model. American Urogynecologic Society/International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014
14. Chin K, Ripperda CM, Schaffer JI, Wai CY. Cystolith formation complicating single-incision sling. Female Pelvic Med Reconstr Surg. 2014 May-Jun;20(3):177-9.

## **Publications**

1. Chin K, Ripperda CM, Schaffer JI, Wai CY. Cystolith formation complicating single-incision sling. Female Pelvic Med Reconstr Surg. 2014 May-Jun;20(3):177-9.
2. Maldonado PA, Slocum PD, Chin K, Corton MM. Anatomic relationships of the psoas muscle: Clinical applications to psoas hitch ureteral reimplantation. American Journal of Obstetrics and Gynecology. 2014 Jul 11.
3. Chin K. Obstetrics and fecal incontinence. Clin Colon Rectal Surg. 2014 Sep;27(3):110-2.

4. Maldonado PA, Chin K, Garcia AA, Corton MM. Anatomic variations of pudendal nerve within pelvis and pudendal canal: clinical applications. Am J Obstet Gynecol. 2015 Nov;213(5):727.
5. Balgobin S, Maldonado PA, Chin K, Schaffer JI, Hamid CA. Safety of Manual Morcellation After Vaginal or Laparoscopic-assisted Vaginal Hysterectomy. J Minim Invasive Gynecol. 2016 Jan 21.

### **PEDRO MALDONADO, MD (2013-2016)**

#### **Presentations**

1. Chin K, Maldonado P, Phelan J, Corton MM. Avoiding upper extremity neuropathy during pelvic surgery. American Urogynecologic Society/ International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014.
2. Maldonado P, Hamid C, Chin K, Balgobin S. Vaginal morcellation and risk of incidental uterine malignancy following vaginal or laparoscopic-assisted vaginal hysterectomy. American Urogynecologic Society/International Urogynecologic Association 2014 Scientific Meeting, Washington DC, July 2014.
3. Maldonado P, Slocum P, Chin K, Corton MM. Anatomic Relationships of the Genito-femoral and Femoral Nerves to the Psoas Muscle: Clinical Applications to Psoas Hitch Ureteral Reimplantation Procedures. 40th Annual Scientific Meeting of the Society of Gynecologic Surgeons.
4. Chin K, Smith BC, Maldonado P, Corton MM. Variability in ureteral distance to uterosacral ligament and uterine vessels with and without cervical traction. 40th Annual Scientific Meeting of the Society of Gynecologic Surgeons, Scottsdale, AZ, March 2014.
5. Chin K, Smith BC, Maldonado P, Schaffer JI, Corton MM. Surgically relevant relationships of the ureter in the retropubic space. 40th Annual Scientific Meeting of the Society of Gynecologic Surgeons, Scottsdale, AZ, March 2014.
6. Maldonado PA, Montoya TI, Acevedo JF, Keller P, Word RA. Differential effects of vaginal estrogens and ospemifene on the vaginal wall. American Urogynecologic Society 36rd Annual Scientific Meeting.
7. Maldonado PA, Montoya TI, Acevedo JF, Keller P, Word RA. Effects of ospemifene and vaginal estrogen on the rat lower urinary tract. American Urogynecologic Society 36rd Annual Scientific Meeting.

8. Pickett SD, Maldonado PA, Meriwether KV, et al. Risk factors for lower urinary tract injury at the time of prolapse and incontinence repair surgeries: a multi-centered study. *J Minimally Invasive Gynecol* 2015 March/April; 22(3);Suppl:S21-22. Society of Gynecologic Surgeons 41st Annual Scientific Meeting, March 2015 Orlando, FL USA (Oral Poster Presentation)
9. Maldonado PA, Stuparich MA, McIntire D, Wai CY. Proximity of uterosacral ligament suspensions sutures and sacral nerve roots to pelvic anatomic landmarks. *J Minimally Invasive Gynecol* 2015 March/April; 22(3);Suppl:S6. (Abstract). Society of Gynecologic Surgeons 41st Annual Scientific Meeting, March 2015 Orlando, FL USA (Full Oral Presentation)
10. Maldonado PA, Montoya TI, Acevedo JF, Keller P, Word RA. Effects of ospemifene and vaginal estrogen on the rat lower urinary tract. *Female Pelvic Med Reconstr Surg* 2015 September/October; 21(5);Suppl: S23. American Urogynecologic Society 36rd Annual Scientific Meeting, October 2015 Seattle, WA USA. (Full oral presentation). (Combined oral presentation).
11. Maldonado PA, Montoya TI, Acevedo JF, Keller P, Word RA. Differential effects of vaginal estrogens and ospemifene on the vaginal wall. *Female Pelvic Med Reconstr Surg* 2015 September/October; 21(5);Suppl: S22. (Abstract). American Urogynecologic Society 36rd Annual Scientific Meeting, October 2015 Seattle, WA USA.
12. Maldonado PA, Jackson LA, Florian-Rodriguez ME, Wai CY. Comparisons of functional support with sacrohysteropexy versus sacrocolpopexy: a cadaveric study. Poster presentation at the Society of Gynecologic Surgeons 42st Annual Scientific Meeting, April 2016 Palm Springs, CA USA.

## **Publications**

1. Maldonado PA, Slocum PD, Chin K, Corton MM. Anatomic relationships of psoas muscle: Clinical applications to psoas hitch ureteral reimplantation. *Am J Obstet Gynecol* 2014 Jul;211(5):563.e1-6.
2. Maldonado PA, Kogutt BK, Wai CY. Patient satisfaction following midurethral sling surgeries. *Curr Opin Obstet Gynecol* 2014 Oct;26(5):404-8.
3. Montoya TI, Maldonado, PA, Acevedo, JF, Word, RA. Effect of vaginal or systemic estrogen on dynamics of collagen assembly in the vaginal wall. *Biol Reprod*. 2015 Feb;92(2):43.

4. Maldonado PA, Garcia AA, Chin K, Corton MM. Anatomic variations of pudendal nerve within pelvis and pudendal canal: clinical applications. Am J Obstet Gynecol . 2015 Nov;213(5):727
5. Balgobin S, Maldonado PA, Chin K, Schaffer JI, Hamid CA. Safety of Manual Morcellation After Vaginal or Laparoscopic-assisted Vaginal Hysterectomy. J Minim Invasive Gynecol. 2016 Jan 21.
6. Maldonado PA, Wai CY. Pelvic Organ Prolapse: New Concepts in Pelvic Floor Anatomy. Obstet Gynecol Clin North Am. 2016 Mar;43(1):15-26

### **Christopher Ripperda, MD (2014-2017)**

#### **Presentations**

1. Ripperda, C., Singh, K.P., Garcia, A.D., Bailey, A.A., Schaffer, J.I., Wai, C.Y. Anatomic Course of the Ureter in Relation to Vertebral and Vascular Landmarks on Computed Tomography. Poster presentation, Society of Gynecologic Surgeons (2015), Orlando, FL.
2. Ripperda, C., Jackson, L., Phelan, J., Carrick, K., Corton, M. Autonomic Innervation of the Pelvis in Unembalmed Female Cadavers: Clinical Applications to Pelvic Surgery. Oral presentation, American Urogynecologic Society (2015), Seattle, WA.
3. Ripperda C., J. Kowalski, Z. Chaudhry, A.S. Mahal, J. Lanzer, L. Hynan, P.C. Jeppson, D.D. Rahn. Predictors of Early Postoperative Voiding Dysfunction and Other Complications Following a Midurethral Sling. Poster presentation at the Society of Gynecologic Surgeons 42st Annual Scientific Meeting, April 2016 Palm Springs, CA.
4. Florian-Rodriguez, M.E, Hare A, Chin, K, Ripperda, C, Phelan, J, Corton, M. Inferior Gluteal Neurovascular Anatomy in Female Cadavers: Clinical Applications to Pelvic Reconstructive Surgeries. Poster presentation at the Society of Gynecologic Surgeons 42st Annual Scientific Meeting, April 2016 Palm Springs, CA.
5. Ripperda CM, Maldonado A, Acevedo J, Keller P, Word RA. Vaginal Estrogen Alters Remodeling of the Vaginal Epithelium After Surgical Injury. Oral presentation, American Urogynecologic Society (2016), Denver, CO.
6. Ripperda CM, Maldonado A, Acevedo J, Keller P, Word RA. Vaginal Estrogen Alters the Phenotype of Macrophages After Surgical Injury. Poster presentation, American Urogynecologic Society (2016), Denver, CO.



7. Ripperda CM, Maldonado A, Acevedo J, Keller P, Word RA. Vaginal Estrogen a Dual Edged Sword in the Postoperative Healing of the Vaginal Wall. Oral presentation, American Urogynecologic Society (2016), Denver, CO.
8. Ripperda CM, Maldonado A, Acevedo J, Keller P, Word RA. Mesenchymal Stem Cells: An Alternative to Vaginal Estrogen? Oral presentation, American Urogynecologic Society (2016), Denver, CO.

## **Publications**

1. Good, M., Ripperda, C., McIntire, D., Rahn, D., Corton, M. Cystometric Bladder Capacity and Other Predictors of Failed Voiding Trial after Midurethral Sling.
2. Ripperda, C., Good, M., Corton, M., Rahn, D. Midurethral Sling Complications at a Large Academic Training Program.
3. Chin, K., Ripperda, C., Schaffer, J.I., Wai, C.Y. Cystolith Formation Complicating Single-Incision Sling. Female Pelvic Med Reconstr Surg. 2014. 20(3):177-179.
4. Ripperda CM, Kowalski JT, Chaudhry ZQ, Mahal AS, Lanzer J, Noor N, Good MM, Hynan LS, Jeppson PC, Rahn DD. Predictors of early postoperative voiding dysfunction and other complications following a midurethral sling. AJOG 2016; 215 (5): 656.e651-656.e656.
5. Florian-Rodriguez ME, Hare A, Chin K, Phelan JN, Ripperda CM, Corton MM (2016) Inferior gluteal and other nerves associated with sacrospinous ligament: a cadaver study. AJOG 2016; 215 (5): 646.e641-646.e646.
6. Ripperda CM, Jackson LA, Phelan JN, Carrick KS, Corton MM (2016) Anatomic relationships of the pelvic autonomic nervous system in female cadavers: clinical applications to pelvic surgery. AJOG 2016. doi:10.1016/j.ajog.2016.12.00
7. Ripperda C, Kowalski JT, Chaudry ZQ, Mahal AS, Lanzer J, Noor N, Good MM, Hynan LS, Jeppson PC, Rahn DD. Predictors of early postoperative voiding dysfunction and other complications following a midurethral sling. Am J Obstet Gynecol 2016; 215: 656e.1-6.
8. Ripperda CM, Maldonado PA, Acevedo JF, Keller PW, Akgul Y, Shelton JM, Word RA (2017) Vaginal estrogen: a dual-edged sword in postoperative healing of the vaginal wall. Menopause 2017

## Maria Florian-Rodriguez, MD (2015-2018)

### Presentations

1. Florian-Rodriguez, M.E., Hare A, Chin, K, Ripperda, C, Phelan, J, Corton, M. Inferior Gluteal Neurovascular Anatomy in Female Cadavers: Clinical Applications to Pelvic Reconstructive Surgeries. Poster presentation at the Society of Gynecologic Surgeons Annual Scientific Meeting April 2016
2. Maldonado PA, Jackson LA, Florian-Rodriguez ME, Wai CY. Comparisons of functional support with sacrohysteropexy versus sacrocolpopexy: a cadaveric study. Poster presentation at the Society of Gynecologic Surgeons Annual Scientific Meeting 2016
3. Florian-Rodriguez, M.E., Hamner, J, Corton, MM. First sacral nerve and anterior longitudinal ligament anatomy: clinical applications during sacrocolpopexy. Oral presentation at the Society of Gynecologic Surgeons Annual Scientific Meeting 2017
4. Florian-Rodriguez, M.E., Chin, K, Shi, H, Acevedo, J.F, Word, R.A. Role of protease inhibitors in healing of the vaginal wall. Oral presentation AUGS 2017
5. Florian-Rodriguez, M.E., Mukundan, B, Wieslander, C. K, Keller, P, Word, R.A. Transcriptome and morphologic profiling of vaginal muscularis from premenopausal women with or without prolapse. presentation AUGS 2017
6. Florian-Rodriguez, M.E., Mukundan, B, Wieslander, C. K, Keller, P, Word, R.A. Vaginal ripening: molecular and histologic profiling of vaginal muscularis from pregnant women before and after labor. presentation AUGS 2017
7. Florian-Rodriguez, M.E., Hamner, J, McIntire, D, Wai, C. Incidence and risk factors for the development of lower urinary tract fistulas after hysterectomy diagnosed in the immediate post-operative period: and analysis of the national surgery quality improvement program (NSQIP) database. Oral poster presentation AUGS 2017
8. Alam, P, Davidson, E.R, Byrnes, J.N, Bochenska, K, Florian-Rodriguez, M.E., Carter-Brooks, C.M, Myer, E, Good, M, Gutman, R.E. Perioperative outcomes in patients with hereditary connective tissue disorders: a retrospective cohort study. AUGS 2017
9. Shah, N, Florian-Rodriguez, M.E., Balgobin, S. Effect of Gynecology specific port position on fundamentals of laparoscopic surgery (FLS) task performance. AUGS 2017

### Publications

1. Florian-Rodriguez ME, Hare A, Chin K, Phelan JN, Ripperda CM, Corton MM. Inferior gluteal and other nerves associated with sacrospinous ligament: a cadaver study. Am J Obstet Gynecol. 2016 Nov;215(5):646.e1-646.e6.
2. Florian-Rodriguez ME, Hamner JJ, Corton MM. First sacral nerve and anterior longitudinal ligament anatomy: clinical applications during sacrocolpopexy. Am J Obstet Gynecol. 2017 Nov;217(5):607.e1-607.e4.
3. Maldonado PA, Norris KP, Florian-Rodriguez ME, Shah NM, Wai CY. Sacrocolpopexy With Concomitant Total vs Supracervical Hysterectomy: Functional Support Comparisons in Cadavers. Female Pelvic Med Reconstr Surg. 2017

### **Jennifer Hamner, DO (2016-2019)**

#### **Presentations**

1. Florian-Rodriguez, M.E, Hamner, J, Corton, MM. First sacral nerve and anterior longitudinal ligament anatomy: clinical applications during sacrocolpopexy. Oral presentation at the Society of Gynecologic Surgeons Annual Scientific Meeting 2017
2. Hamner J, Carrick K, Ramirez D, Corton M. Gross & Histologic Relationships of the Retropubic Urethra to Lateral Pelvic Sidewall and Anterior Vaginal Wall in Female Cadavers: Clinical Applications to Retropubic Surgery. Oral presentation at the American Urogynecology Society Meeting 2017
3. Florian-Rodriguez ME, Chin K, Hamner J, Acevedo J, Keller P, Word A. Role of Protease Inhibitors in Healing of the Vaginal Wall. Oral presentation at the American Urogynecology Society Meeting 2017
4. Hamner J, Florian-Rodriguez ME, Acevedo J, Keller P, Word RA. Recovery of the Parturient Vaginal Wall After Laceration Is More Complex Than Simple Surgical Injury: Results from a Preclinical Animal Model. Oral Presentation at the American Urogynecology Society Meeting 2018.
5. Hamner J, Florian-Rodriguez ME, Acevedo J, H Shi, Word RA. Protease Inhibition Improves Healing of the Vaginal Wall After Delivery with Simulated Obstetrical Injury: Results from a Preclinical Animal Model. Oral presentation at the American Urogynecology Society Meeting 2018.
6. Hamner J, Norris K, McIntire D, Wai CY, Balgobin S. Distribution of the AUGS NOW Risk Calculator Scores for De Novo Stress Urinary Incontinence After Prolapse Surgery and Correlation with Surgical Outcomes in an Urban Public Hospital Setting. Oral presentation at the American Urogynecology Society Meeting 2018.

## **Publications**

1. Florian-Rodriguez ME, Hamner JJ, Corton MM. First sacral nerve and anterior longitudinal ligament anatomy: clinical applications during sacrocolpopexy. Am J Obstet Gynecol. 2017 Nov;217(5):607.e1-607.e4.
2. Hamner J, Carrick K, Ramirez D, Corton M. Gross & Histologic Relationships of the Retropubic Urethra to Lateral Pelvic Sidewall and Anterior Vaginal Wall in Female Cadavers: Clinical Applications to Retropubic Surgery. Am J Obstet Gynecol. 2018 Sep 29. pii: S0002-9378(18)30829-9. doi: 10.1016/j.ajog.2018.09.037

## **LINDSEY JACKSON, MD (2017-2020)**

## **Presentations**

1. Ripperda CM, Jackson LA, Phelan JN, Carrick KS, Corton MM. Autonomic Innervation of the Pelvis in Unembalmed Female Cadavers: Clinical Applications to Pelvic Surgery. Oral Presentation, 36<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society, Seattle, Washington (2015)
2. Maldonado PA, Jackson LA, Florian-Rodriguez ME, McIntire DD, Wai CY. Comparisons of Functional Support with Sacrohysteropexy versus Sacrocolpopexy: A Cadaveric Study. Poster Presentation, 42<sup>nd</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons (SGS), Palm Springs, CA (2016)
3. Jackson LA, Pederson R, Ramirez D, Carrick KS, Spiritos A, Corton MM. Gross and Histologic Anatomy of the Pelvic Ureter: Clinical Applications to Pelvic Surgery. Oral Presentation, 39<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society (AUGS), Chicago, IL (2018)
4. Shah NM, Jackson LA, Phelan JN, Corton MM. Anterior and Medial Thigh Anatomy in Female Cadavers: Clinical Applications to the Transobturator Midurethral Sling. Oral Presentation, 44<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons (SGS), Orlando, FL (2018)
5. Jackson, LA, Hare AM, Carrick, KS, Ramirez, DMO, Hamner, JJ, Corton, MM. Anatomy of Clitoris and Associated Neurovascular Structures: Clinical Applications to Vulvar Surgery. Oral Presentation, 45<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons (SGS), Tucson, AZ (2019)
6. Jackson, LA, Byrne J, Lupo A, Wai CY, Balgobin S. Anal Sphincter Laceration Model vs Educational Video: Is There a Difference in Resident Education and

Performance? Poster Presentation, 9<sup>th</sup> Annual Quality Improvement and Simulation Research Symposium, University of Texas Southwestern Medical Center, Dallas, TX (2019)

7. Jackson, LA, Hare AM, Carrick, KS, Ramirez, DMO, Hamner, JJ, Corton, MM. Anatomy of Clitoris and Associated Neurovascular Structures: Clinical Applications to Vulvar Surgery. Oral Presentation, 45<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons (SGS), Tucson, AZ (2019)
8. Hoke TP, Berger A, Pan C, Jackson, LA, Winkleman W, High R, Volpe K, Lin CP, Richter HE. Prefer Study: Patient Preference Responses to Encounters with FPMRS Surgeons. Poster Presentation, 45<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons (SGS), Tucson, AZ (2019)
9. Jackson, LA, Shi, H, Acevedo, J, Lee, S, Annabi, N, Word, RA, Florian-Rodriguez, M. Effect of Gelatin Methacryloyl (GelMA) Hydrogel on Healing of the Vaginal Wall. Scientific Salon Presentation, 40<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society (AUGS), Nashville, TN (2019)
10. Jackson, LA, Shi, H, Acevedo, J, Lee, S, Annabi, N, Word, RA, Florian-Rodriguez, M. Gelatin Methacryloyl Hydrogel as an Alternative Anchor for Mesh Augmented Prolapse Repair. Oral Presentation, 40<sup>th</sup> Annual Scientific Meeting of the American Urogynecologic Society (AUGS), Nashville, TN (2019)
11. Jackson, LA, Byrne J, Lupo A, Wai CY, Balgobin S. Anal Sphincter Laceration Model vs Educational Video: Is There a Difference in Resident Education and Performance? Poster Presentation, American College of Obstetricians and Gynecologists Annual Clinical and Scientific Meeting (2020)
12. Jackson, LA, Shields, JK, Gaddam, NG, Meinhart, SS, Hanco, GD, Mauskar, M, Florian-Rodriguez, M. Management and Gynecologic Sequelae of Vulvovaginal Involvement in Stevens-Johnson Syndrome. Poster Presentation, 46<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons (SGS), Jacksonville, FL (2020)

## **Publications**

1. Ripperda CM, Jackson LA, Phelan JN, Carrick KS, Corton MM. Anatomic relationships of the pelvic autonomic nervous system in female cadavers: clinical applications to pelvic surgery. Am J Obstet Gynecol 2017; 216: 388.e1-388.e7
2. Shah NM, Jackson LA, Phelan JN, Corton MM. Medial Thigh Anatomy in Female Cadavers: Clinical Applications to the Transobturator Midurethral Sling. Female Pelvic Med Reconstr Surg 2018 July PMID: 30045054

3. Maldonado PA, Jackson LA, Florian-Rodriguez ME, McIntire DD, Wai CY. Comparisons of functional support with sacrohysteropexy versus sacrocolpopexy: a cadaveric study. *Female Pelvic Med Reconstr Surg*. 2019 January. PMID: 30614833
4. Jackson LA, Ramirez DMO, Carrick KS, Pedersen R, Spirtos A, Corton MM. Gross and Histologic Anatomy of the Pelvic Ureter: Clinical Applications to Pelvic Surgery. *Obstet Gynecol*. 2019; 133(5): 896-904. doi:10.1097/AOG.0000000000003221. PMID: 30969205
5. Jackson LA, Hare AM, Carrick KS, Ramirez DMO, Hamner JJ, Corton MM. Anatomy, histology, and nerve density of clitoris and associated structures: clinical applications to vulvar surgery. *Am J Obstet Gynecol* 2019; 221(5): 519.e1-519.e9. doi: 10.1016/j.ajog.2019.06.048. Epub 2019 Jun 27. PMID: 31254525
6. Hoke TP, Berger AA, Pan CC, Jackson LA, Winkleman WD, High R, Volpe KA, Lin CP, Richter HE. *Assessing Patient's Preferences for Gender, Age, and Experience of Their Urogynecologic Provider*. *Int Urogynecol J*. 2019 December (in press).

### **ADAM HARE, MD (2018-2021)**

#### **Presentations**

1. Florian M, Hare A, Chin K, Phelan J, Ripperda C, Corton MM. Inferior Gluteal and Other Nerves Associated with Sacrospinous Ligament: A Cadaver Study. Oral Presentation, 42<sup>nd</sup> Annual Scientific Meeting, Society of Gynecologic Surgeons, Palm Springs, California (April 2016).
2. Jackson, LA, Hare AM, Carrick, KS, Ramirez, DMO, Hamner, JJ, Corton, MM. Anatomy of Clitoris and Associated Neurovascular Structures: Clinical Applications to Vulvar Surgery. Oral Presentation, 45<sup>th</sup> Annual Scientific Meeting of the Society of Gynecologic Surgeons (SGS), Tucson, AZ (2019)
3. Hare AM, Sawyer P, Corton MM. Beyond the Presacral Space: Clinical Relevance to Sacrocolpopexy Procedures. Oral Presentation, 46<sup>th</sup> Annual Scientific Meeting, Society of Gynecologic Surgeons, Jacksonville, Florida (July 2020)

#### **Publications**

1. Florian-Rodriguez ME, Hare A, Chin K, Phelan JN, Ripperda CM, Corton MM. Inferior Gluteal and Other Nerves Associated with Sacrospinous Ligament: A Cadaver Study. *Am J Obstet Gynecol* 2016; 215:646.e1-6.

2. Jackson LA, Hare AM, Carrick KS, Ramirez DMO, Hamner JJ, Corton MM. Anatomy, histology, and nerve density of clitoris and associated structures: clinical applications to vulvar surgery. *Am J Obstet Gynecol* 2019; 221(5): 519.e1-519.e9. doi: 10.1016/j.ajog.2019.06.048. Epub 2019 Jun 27. PMID: 31254525