

**Fellowship in Female Pelvic Medicine & Reconstructive Surgery**

**FACULTY PUBLICATIONS (2007-2010)**

**JOSEPH SCHAFFER, MD**

1. FitzGerald MP, Burgio KL, Borello-France DF, Menefee SA, Schaffer J, Kraus S, Mallett VT, Xu Y. Urinary Incontinence Treatment Network. Pelvic-floor strength in women with incontinence as assessed by the brink scale. *Physical Therapy* 2007; 87: 1316-24.
2. Cundiff GW, Amundsen CL, Bent AE, Coates KW, Schaffer JI, Strohbehn K, Handa VL. The PESSRI study: symptom relief outcomes of a randomized crossover trial of the ring and Gellhorn pessaries. *Am J Obstet Gynecol* 2007; 196: 405.e1-8.
3. 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.
4. 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.
5. 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.
6. 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.
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. White AB, Wai CY, Marinis SI, Schaffer JI. Bilateral ureteric obstruction of a duplicated collecting system improves after surgical correction of procidentia. *Journal of Reproductive Medicine* 2008; 53: 449-52.
9. Murphy M et al. Clinical Practice Guidelines on Vaginal Graft Use from the Society of Gynecologic Surgeons Systematic Review Group. *Obstet Gynecol* 2008; 112: 1123-30.
10. Sung VW, Rogers RG, Schaffer JI, Balk EM, Uhlig K, Lau J, Abed H, Wheeler TL 2nd, Morrill MY, Clemons JL, Rahn DD, Lukban JC, Lowenstein L, Kenton K, Young SB; Society of Gynecologic Surgeons Systematic Review Group. Graft use in transvaginal pelvic organ prolapse repair: a systematic review. *Obstet Gynecol* 2008; 112: 1131-42.

11. Lowenstein L, Olivera C, Harvie H, Schaffer J, Young S. The Fellows' Pelvic Research Network (FPRN). *Int Urogynecol J Pelvic Floor Dysfunct* 2008; 19: 895-7.
12. Paraiso MF, Menefee S, Schaffer J, Varner E, Fitzgerald MP. Investigation of surgical procedures for pelvic organ prolapse-the mesh dilemma. *Journal of Minimally Invasive Gynecology* 2008; 15: 521-522.
13. Brubaker L, Richter HE, Visco A, Mahajan S, Nygaard I, Braun TM, Barber MD, Menefee S, Schaffer J, Weber AM, Wei J; Pelvic Floor Disorders Network. Refractory idiopathic urge urinary incontinence and botulinum A injection. *J Urol* 2008; 180: 217-22.
14. Nygaard I, Barber MD, Burgio KL, Kenton K, Meikle S, Schaffer J, Spino C, Whitehead WE, Wu J, Brody DJ; Pelvic Floor Disorders Network. Prevalence of symptomatic pelvic floor disorders in US women. *JAMA* 2008; 300: 1311-6.
15. Omotosho TB, Hardart A, Rogers RG, Schaffer JI, Kobak WH, Romero AA. Validation of Spanish versions of the Pelvic Floor Distress Inventory (PFDI) and Pelvic Floor Impact Questionnaire (PFIQ): a multicenter validation randomized study. *Int Urogynecol J* 2009; 20: 623-39.
16. Wei J, Nygaard I, Richter H, Brown M, Barber M, Xiao X, Kenton K, Nager C, Schaffer J, Visco A, Weber A. Outcomes following vaginal prolapse repair and mid urethral sling (OPUS) trial – design and methods. *Clinical Trials* 2009; 6: 162-71.
17. Barber MD, Brubaker L, Menefee S, Norton P, Borello-France D, Varner E, Schaffer J, Weidner A, Xu X, Spino C, Weber A; Pelvic Floor Disorders Network. Operations and pelvic muscle training in the management of apical support loss (OPTIMAL) trial: design and methods. *Contemp Clin Trials* 2009; 30: 178-89.
18. Schaffer JI. Female pelvic medicine and reconstructive surgery. Preface. *Obstet Gynecol Clin North Am* 2009; 36: xvii.
19. Word RA, Pathi S, Schaffer JI. Pathophysiology of pelvic organ prolapse. *Obstet Gynecol Clin North Am* 2009; 36: 521-39.
20. Barber MD, Brubaker L, Nygaard I, Wheeler TL 2nd, Schaffer J, Chen Z, Spino C; Pelvic Floor Disorders Network. Defining success after surgery for pelvic organ prolapse. *Obstet Gynecol*. 2009; 114: 600-9.
21. Schaffer JI. Female pelvic medicine and reconstructive surgery. Preface. *Obstet Gynecol Clin North Am*. 2009; 36: xvii.
22. Richter HE, Burgio KL, Brubaker L, Nygaard IE, Ye W, Weidner A, Bradley CS, Handa VL, Borello-France D, Goode PS, Zyczynski H, Lukacz ES, Schaffer J, Barber M, Meikle S, Spino C; Pelvic Floor Disorders Network. Continence pessary compared with behavioral therapy or combined therapy for stress incontinence: a randomized controlled trial. *Obstet Gynecol*. 2010; 115: 609-17.

## ANN WORD, MD

1. Word RA, Li XH, Hnat M, Carrick K. Dynamics of cervical remodeling during pregnancy and parturition: mechanisms and current concepts. *Seminars in Reproductive Medicine* 2007; 25:69-79.
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. *American Journal of Pathology* 2007; 170:578-89.
3. Word RA, Li X-H, Hnat M, and Carrick K. Dynamics of cervical remodeling during pregnancy and parturition: Mechanisms and current concepts Carr BR. & Word RA (eds) *Parturition: Current Concepts – Semin Reprod Med* 2007; 25:69-79.
4. Schwartz R, Oxborne-Lawrence S, Hahner L, Gormley A, Vongpatanasin W, Zhu W, and Word RA, Seetharam D, Black S, Samols D, Mineo C, and Shaul P. C-reactive protein downregulates endothelial NO synthase and attenuates reendothelialization in vivo in mice. *Circulation Research* 2007; 100:1452-9.
5. Read CP, Word RA, Ruscheinsky MA, Timmons BC, Mahendroo MS. Cervical remodeling during pregnancy and parturition: molecular characterization of the softening phase in mice. *Reproduction* 2007; 134: 327-34.
6. Oz OK, Hajibeigi A, Howard K, Cummins CL, van Abel M, Bindels RJ, Word RA, Kuro-o M, Pak CY, Zerwekh JE. Aromatase deficiency causes altered expression of molecules critical for calcium reabsorption in the kidneys of female mice. *Journal of Bone Mineral Research* 2007; 22: 1893-902.
7. 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 *Biology of Reproduction* 2008; 78: 521-8.
8. Bukulmez O, Hardy DB, Carr BR, Word RA, Mendelson CR. Inflammatory status influences aromatase and steroid receptor expression in endometriosis. *Endocrinology* 2008; 149: 1190-204.
9. Wai CY, Miller RT, Word RA. Effect of prolonged vaginal distention and sphincter transection on physiologic function of the external anal sphincter in an animal model. *Obstetrics and Gynecology* 2008; 111: 332-40.
10. Andersson S, Minjarez D, Yost NP, Word RA. Estrogen and progesterone metabolism in the cervix during pregnancy and parturition. *Journal of Clinical Endocrinology & Metabolism* 2008; 93: 2366-74.
11. Rahn DD, Ruff MD, Brown SA, Tibbals HF, Word RA. Biomechanical properties of the vaginal wall: effect of pregnancy, elastic fiber deficiency, and pelvic organ prolapse. *American Journal of Obstetrics & Gynecology* 2008; 198: 590.e1-6.

12. 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. *Obstetrics and Gynecology* 2008; 111: 1426-34.
13. Rosenfeld CR, Word RA, DeSpain K, and Liu XT. Large conductance  $Ca^{+2}$ -activated  $K^{+}$  channels contribute to vascular function in nonpregnant human uterine arteries. *Reproductive Sciences* 2008; 15:651-60.
14. Bukulmez O, Hardy DB, Carr BR, Auchus RJ, Toloubeydokhti T, Word RA, Mendelson CR. Androstenedione Up-regulation of Endometrial Aromatase Expression via Local Conversion to Estrogen: Potential Relevance to the Pathogenesis of Endometriosis. *Journal of Clinical Endocrinology & Metabolism* 2008; 93: 3471-7.
15. Andersson S, Minjarez D, Yost NP, and Word RA. Estrogen and progesterone metabolism in the cervix during pregnancy and parturition. *J. Clin. Endocrin. Metab* 2008; 93: 2366-74.
16. 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.
17. Rahn DD, Acevedo JF, Keller PW, Davis EC, Marmorstein LY, and Word RA. Failure of pelvic organ support in mice deficient in fibulin-3. *Am J Pathol* 2008; 174:206-15.
18. Wieslander CK, Rahn DD, McIntire DD, Acevedo JF, Drewes PG, Yanagisawa H, and Word RA. Quantification of Pelvic Organ Prolapse in Mice: Vaginal Protease Activity Precedes Increased MOPQ Scores in Fibulin-5 Knockout Mice. *Biol Reprod* 2009; 80: 407-14.
19. Sharkey JT, Puttaramu R, Word RA, Ocese J. Melatonin synergizes with oxytocin to enhance contractility of human myometrial smooth muscle cells. *J Clin Endocrinol Metab* 2009; 94: 421-7.
20. 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. *Obstet Gynecol* 2009; 113: 909-16.
21. White AB, Carrick KS, McIntire DD, Corton MM, Word RA, Rahn DD, Wai CY. Optimal location and orientation of suture placement in abdominal sacrocolpopexy *Obstet Gynecol* 2009; 113: 1098-1103.
22. Wai CY and Word RA. Contractile properties of the denervated external anal sphincter. *Am J Obstet Gynecol* 2009; 200: 653.e1-7.
23. Word RA, Pathi S, Schaffer JI. Pathophysiology of pelvic organ prolapse. *Obstet Gynecol Clin North Am* 2009; 36: 521-39.
24. Huang J, Davis EC, Chapman SL, Budatha M, Marmorstein LY, Word RA, Yanagisawa

H. Fibulin-4 Deficiency Results in Ascending Aortic Aneurysms. A Potential Link Between Abnormal Smooth Muscle Cell Phenotype and Aneurysm Progression. *Circ Res* 2009; 106: 583-92.

25. 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: 815-23.

### **MARLENE CORTON, MD**

1. 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.
2. Bleich AT, Rahn DD, Wieslander CK, Wai CY, Roshanravan SM, Corton MM. Posterior division of the internal iliac artery: anatomic variations and clinical applications. *Am J Obstet Gynecol* 2007; 197: 658.e1-e5.
3. 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.
4. 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.
5. 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.
6. Burgio KL, Kraus SR, Menefee S, Borello-France D, Corton M, Johnson HW, Mallett V, Norton, FitzGerald MP, Dandreo KJ, Richter HE, Rozanski T, Albo M, Zyczynski HM, Lemack GE, Chai TC, Khandwala S, Baker J, Brubaker L, Stoddard AM, Goode PS, Nielsen-Omeis B, Nager CW, Kenton K, Tennstedt SL, Kusek JW, Chang TD, Nyberg LM, and Steers W for the Urinary Incontinence Treatment Network. Behavioral Therapy to Enable Women with Urge Incontinence to Discontinue Drug Treatment: A Randomized Trial. *Ann Intern Med*. 2008; 149: 161-169.
7. White AB, Carrick KS, McIntire DD, Rahn DD, Corton MM, Wai CY. Optimal location and orientation of suture placement in abdominal sacrocolpopexy, *Obstet Gynecol* 2009; 113: 1098-1103.
8. Hull M, Corton MM. Evaluation of the levator ani and pelvic wall muscles in levator ani syndrome. *Urol Nurs* 2009; 29: 225-31.
9. Pathi SD, Castellanos ME, Corton MM. Variability of the retropubic space anatomy in female cadavers. *Am J Obstet Gynecol* 2009; 201: 524.e1-5.

10. Corton MM. Anatomy of pelvic floor dysfunction. *Obstet Gynecol Clin North Am* 2009; 36: 401-19.
11. 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.
12. Chao TT, Wendel GD Jr, McIntire DD, Corton MM. Effectiveness of an instructional DVD on third- and fourth-degree laceration repair for obstetrics and gynecology postgraduate trainees. *Int J Gynaecol Obstet* 2010; 109: 16-9.

### **CLIFFORD WAI, MD**

1. 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.
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. *Am J Obstet Gynecol* 2007; 197: 668.e1-4.
3. 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.
4. Bleich AT, Rahn DD, Wieslander CK, Wai CY, Roshanravan SM, Corton MM. Posterior division of the internal iliac artery: anatomic variations and clinical applications. *Am J Obstet Gynecol* 2007; 197: 658.e1-e5.
5. 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.
6. Wai CY, Miller RT, Word RA. Effect of prolonged vaginal distention and sphincter transection on physiologic function of the external anal sphincter in an animal model. *Obstet Gynecol* 2008; 111: 332-40.
7. 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.
8. 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.
9. Rahn DD, Stone RJ, Vu MK, 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.

10. Lockhart ME, Fielding JR, Richter HE, Brubaker L, Salomon CG, Ye W, Hakim CM, Wai CY, Stolpen AH, Weber AM. Reproducibility of dynamic MR imaging pelvic measurements: a multi-institutional study. *Radiology* 2008; 249: 534-40.
11. Wai CY, Miller RT, Word RA. Letter to the Editor: Effect of prolonged vaginal distention and sphincter transection on physiologic function of the external anal sphincter. *Obstet Gynecol* 2008; 112: 944.
12. Markland A, Richter HE, Kenton K, Wai CY, Nager CW, Kraus CR, Tennstedt SL, Xu Y. Associated factors and the impact of fecal incontinence in women with urge urinary incontinence: from the urinary incontinence treatment network's BEDRI study. *Am J Obstet Gynecol* 2009; 200: 424.e1-8.
13. 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. *Obstet Gynecol* 2009; 113: 909-16.
14. White AB, Carrick KS, McIntire DD, Corton MM, Word RA, Rahn DD, Wai CY. Optimal location and orientation of suture placement in abdominal sacrocolpopexy. *Obstet Gynecol* 2009; 113: 1098-1103.
15. Wai CY and Word RA. Contractile properties of the denervated external anal sphincter. *Am J Obstet Gynecol* 2009; 200: 653.e1-7.
16. Wai CY. Surgical treatment for stress and urge urinary incontinence. *Obstet Gynecol Clin North Am* 2009; 36: 509-19.
17. 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: 815-23.
18. Nager CW, Kraus SR, Kenton K, Sirls L, Chai TC, Wai C, Sutkin G, Leng W, Litman HJ, Huang L, Tennstedt SL, Richter HE, for the Urinary Incontinence Treatment Network. *Neurourol Urodyn* 2010; (in press).
19. Burgio KL, Brubaker L, Richter HE, Wai CY, Litman HJ, Borello-France D, Menefee SA, Sirls LT, Kraus SR, Johnson HW, Tennstedt SL. Patient Satisfaction with Stress Incontinence Surgery. *Neurourol Urodyn* 2010; (in press).

#### **DAVID D. RAHN, MD**

1. 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.
2. 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.

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, 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.
7. 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.
8. 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.
9. Rahn DD. Urinary Tract Infections: Contemporary Management. *Urol Nurs* 2008; 28: 333-41.
10. 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.
11. 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.
12. 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.
13. 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.
14. Rahn DD, Acevedo JF, Roshanravan SM, Keller PW, Davis EC, Marmorstein LY, Word RA. Failure of pelvic organ support in mice deficient in fibulin-3. *Am J Pathol* 2009;



- 174: 206-15.
15. 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. *Obstet Gynecol* 2009; 113: 909-16.
  16. 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: 1098-1103.
  17. Bradley CS, Rahn DD, Nygaard IE, Barber MD, Nager CW, Kenton KS, Siddiqui NY, Abel RB, Richter HE. The Questionnaire for Urinary Incontinence Diagnosis (QUID): validity and responsiveness to change in women undergoing non-surgical therapies for treatment of stress predominant urinary incontinence. *Neurourol Urodyn* Sep 28 2009; Epub ahead of print.
  18. 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.
  19. Rahn DD, Roshanravan SM. Pathophysiology of urinary incontinence, voiding dysfunction, and overactive bladder. *Obstet Gynecol Clin North Am* 2009; 36(3): 463-74.
  20. Heilbrun ME, Nygaard IE, Lockhart ME, Richter HE, Brown MB, Kenton KS, Rahn DD, Thomas JV, Weidner AC, Nager CW, Delancey JO for the Pelvic Floor Disorders Network. Correlation between levator ani muscle injuries on MRI and fecal incontinence, pelvic organ prolapse and urinary incontinence in primiparous women. *Am J Obstet Gynecol* 2010; in press.
  21. Rahn DD, Abed H, Sung VW, Matteson KA, Rogers RG, Morrill MY, Barber MD, Schaffer JI, Wheeler TL, Balk EM, Uhlig K. Systematic review highlights difficulty interpreting diverse clinical outcomes in abnormal uterine bleeding trials. *J Clin Epidemiol* 2010; in press.

#### **PHILIPPE ZIMMERN, MD**

1. Nager CW, Albo ME, FitzGerald MP, McDermott, SM, Kraus S, Richter HE, Zimmern PE. Process for development of multicenter urodynamic studies. *Urology* 2007; 69 (1): 63-68.
2. Tennstedt SL, Fitzgerald MP, Nager CW, Xu Y, Zimmern P, Kraus S, Goode PS, Kusek JW, Borello-France D, Mallett V, Urinary Incontinence Treatment Network: Quality of life in women with stress urinary incontinence. *Int Urogynecol J* 2007; 18: 543-549.
3. Albo ME, Richter HE, Brubaker L, Norton P, Kraus SR, Zimmern PE, Chai TC, Zyczynski H, Diokno AC, Tennstedt S, Nager C, Lloyd LK, FitzGerald M, Lemack GE, Johnson HW, Leng W, Mallett V, Stoddard AM, Menefee S, Varner RE, Kenton K,

- Moalli P, Sirls L, Dandreo KJ, Kusek JW, Nyberg LM, Steers W. Urinary Incontinence Treatment Network. Burch colposuspension versus fascial sling to reduce urinary stress incontinence. *New England Journal of Medicine* 2007; 356: 2143-2155.
4. Karam JA, Vazquez DV, Lin VK, and Zimmern PE. Elastin expression and elastic fibre width in the anterior vaginal wall of postmenopausal women with and without prolapse. *BJU* 2007; 100: 346-350.
  5. Nager CW, Albo ME, FitzGerald MP, McDermott S, Wruck L, Kraus S, Howden N, Norton P, Sirls L, Varner E, and Zimmern PE. Reference urodynamic values for stress incontinent women. *Neurourol. Urodynam* 2007; 26: 333-340.
  6. Isom-Batz G, Zimmern PE: Vaginal mesh for incontinence and/or prolapse: Caution required! *Expert Review of Medical Devices* 2007; 4: 675-679.
  7. Margulis V, Lin VK, Wang SY, Tang J, Zimmern PE. Characterization of primary bladder neck obstruction: Immunohistochemical and gene expression analysis. *Current Urology* 2007; 1: 95-99.
  8. Valentini FA, Nelson PP, Besson GR, Zimmern PE. Challenging the maximum flow rate: a new index of voiding dysfunction in men with benign prostatic enlargement. *BJU International* 2008; 101: 995-999.
  9. Richter HE, Diokno A, Kenton K, Northn P, Albo M, Kraus S, Moalli P, Chai TC, Zimmern P, Litman H, Tennstedt for the Urinary Incontinence Treatment Network: Predictors of treatment failure 24 months after surgery for stress urinary incontinence. *The Journal of Urology* 2008; 179: 1024-1030.
  10. Koch YKP, Zimmern P: A critical overview of the evidence base for the contemporary surgical management of stress incontinence. *Current Opinion in Urology* 18(4), 370-376, 2008.
  11. Tennstedt SL, Litman HJ, Zimmern P, Ghetti C, Kusek JW, Nager CW, Mueller ER, Kraus SR, Varner E for the Urinary Incontinence Treatment Network: Quality of life after surgery for stress incontinence. *International Urogynecology Journal* 19(12):1631-1638, 2008.
  12. Isom-Batz G, Zimmern PE: collagen injection for female urinary incontinence after urethral or periurethral surgery. *Journal of Urology* 181, 701-704, 2009.
  13. Guild J, Takacs E, Kircher S, Arbique G, Zimmern PE. The number of voiding radiographs during cystourethrography in women with stress incontinence or prolapse can be reduced to enhance safety without compromising study interpretation. *Neurourol Urodyn* 2009; 28: 385-9.
  14. Isom-Batz G, Zimmern PE. Collagen injection for female urinary incontinence after urethral or periurethral surgery. *J Urol* 2009; 181: 701-4.

15. Gilleran JP, Zimmern P. Abdominal mesh sacrocolpopexy for recurrent triple-compartment pelvic organ prolapse. *BJU Int* 2009; 103: 1090-4.
16. Zimmern PE, Eberhart RC, Bhatt A. Methodology for biomechanical testing of fresh anterior wall vaginal samples from postmenopausal women undergoing cystocele repair. *Neurourol Urodyn*. 2009; 28: 325-9.
17. Brubaker L, Stoddard A, Richter H, Zimmern P, Moalli P, Kraus SR, Norton P, Lukacz E, Sirls L, Johnson H; Urinary Incontinence Treatment Network. Mixed incontinence: comparing definitions in women having stress incontinence surgery. *Neurourol Urodyn* 2009; 28: 268-73.
18. Fletcher SG, Zimmern PE. Differential diagnosis of chronic pelvic pain in women: the urologist's approach. *Nat Rev Urol*. 2009; 6: 557-62.
19. Shariat SF, Zimmern PE, Hilton K, Gruchalla RS. Prospective questionnaire-based evaluation of the prevalence of urinary incontinence in women with chronic cough. *Urol Int* 2009; 83: 181-6.
20. Mosier E, Lin VK, Zimmern P. Extracellular matrix expression of human prolapsed vaginal wall. *Neurourol Urodyn* 2009; [Epub ahead of print]
21. Wein AJ, Boone T, Blaivas J, Zimmern P, Rackley R, Vasavada S, Dmochowski R, Winters C. In memory of Rodney A. Appell (1948-2009). *Urology* 2009; 74: 717-8.
22. Fletcher SG, Zimmern PE. Requiem for the suburethral tape. *BJU Int* 2010; 105: 445-8.
23. Zimmern P, Litman HJ, Mueller E, Norton P, Goode P. Effect of fluid management on fluid intake and urge incontinence in a trial for overactive bladder in women. *BJU Int* 2009; (Epub ahead of print).
24. Gilchrist AS, Gupta A, Eberhart RC, Zimmern PE. Do biomechanical properties of anterior vaginal wall prolapse tissue predict outcome of surgical repair? *J Urol* 2010; 183: 1069-73.

#### **BOB SHULL, MD**

1. Huffaker RK, Kuehl TJ, Muir TW, Yandell PM, Pierce LM, Shull BL. Transverse cystocele repair with uterine preservation using native tissue. *Int Urogyn J* 2008; 19: 1275-81.
2. Huffaker RK, Shull BL, Thomas JS. A serious complication following placement of posterior Prolift. *Int Urogynecol J Pelvic Floor Dysfunct* 2009; 20: 1383-5.
3. Huffaker RK, Yandell PM, Shull BL. Tension-free vaginal tape bowel perforation. *Int Urogynecol J Pelvic Floor Dysfunct* 2010; 21: 251-3.

## GARY LEMACK, MD

1. Lemack GE, Xu Y, Brubaker L, Nager C, Chai T, Moalli P, Kraus S, Kerr L, Sirls L, Stoddard for the Urinary Incontinence Treatment Network. Clinical and Demographic Factors Associated with Valsalva Leak Point Pressure among Women Undergoing Burch Bladder Neck Suspension or Autologous Rectus Fascial Sling Procedures. *Neurourology and Urodynamics* 2007; 26: 392-396.
2. Lemack GE, Amundsen C, Badlani G, Griebing T, Peters K, Rodriguez L, Singla A, Smith C, Sullivan M, Te A. Highlights from the Combined Society of Urodynamics and Female Urology and International Society for Pelvic Neuromodulation Annual Meeting. *Journal of Urology* 2007; 177: 691-695.
3. Lemack GE, Frohman E, Ramnarayan P. Significant intravesical pressure elevations are not present in patients with multiple sclerosis and detrusor sphincter dyssynergia. *Urology* 2007; 69: 893-897.
4. Lemack GE. Defining the role for OAB treatments in men with lower urinary tract symptoms. *Nature Clinical Practice Urology* 2007; 4: 174-175.
5. Lemack GE. Incontinence: Helping women stay in control. *Cortland Forum* 2007; 53-54.
6. Lemack GE. Use of urodynamics prior to surgery for urinary incontinence: how helpful is preoperative testing? *Indian Journal of Urology* 2007; 23: 142-147.
7. Albo M, Richter HE, Brubaker L, Norton P, Kraus SR, Zimmern PE, Chai TC, Zyczynski H, Diokno AC, Tennstedt S, Nager C, Lloyd LK, Fitzgerald M, Lemack GE, Johnson HW, Leng W, Mallett V, Stoddard AM, Menefee S, Varner RE, Kenton K, Moalli P, Sirls L, Dandreo KJ, Kusek JW, Nyberg LM, Steers W. Urinary Incontinence Treatment Network. Burch colposuspension versus fascial sling to reduce urinary stress incontinence. *New England Journal of Medicine* 2007; 356: 2143-2155.
8. Albo M, Wruck L, Baker J, Brubaker L, Chai T, Dandreo KJ, Diokno A, Goode P, Kraus S, Kusek JW, Lemack G, Lowder J, Steers W. Urinary Incontinence Treatment Network. The relationships among measures of incontinence severity in women undergoing surgery for stress urinary incontinence. *Journal of Urology* 2007; 177: 1810-4.
9. Lee U, Baskin L, Schaefer W, Lemack GE, Wein AJ, Daneshgari F. Highlights of the Urethral Dysfunction Sessions at the Society for Urodynamics and Female Urology. *Current Bladder Dysfunction Reports* 2007; 2: 71-76.
10. Lemack GE. Assessing the Natural History of Lower Urinary Tract Symptoms without Incontinence in Women: What have we learned and where are we headed? *European Urology* 2007; 52: 1576-1578.
11. Lemack GE. Intradetrusor botulinum toxin injections for neurogenic overactive bladder: Are we there yet? *European Urology* 2008; 53: 240-241.

12. Nager CW, Fitzgerald M, Kraus SR, Chai TC, Zyczynski H, Sirls L, Lemack GE, Lloyd LK, Stoddard AM, Baker J, Steers WD. Urinary Incontinence Treatment Network. Urodynamic Measures do not Predict Stress Incontinence Outcomes after Surgery for Stress Urinary Incontinence in Selected Women. *Journal of Urology* 2008; 179: 1470-1474.
13. Burgio, KL, Kraus, SR, Menefee, S, Borello-France, D, Corton, M, Johnson, HW, Mallett, V, Norton, P, FitzGerald, MP, Dandreo, KJ, Richter, HE, Rozanski, T, Albo, M, Zyczynski, HM, Lemack GE, Chai, TC, Khandwala S, Baker J, Brubaker L, Stoddard AM, Goode PS, Nielsen-Omeis B, Nager, CW, Kenton, K, Tennstedt, SL, Kusek, JW, Chang, D, Nyberg, LM, Steers, W, for the Urinary Incontinence Treatment Network. Behavioral therapy to enable women with urge incontinence to discontinue drug treatment. *Annals of Internal Medicine* 149(3):161-169, 2008.
14. Lemack GE, Krauss S, Litman H, FitzGerald MP, Chai T, Nager C, Sirls L, Zyczynski H, Baker J, Lloyd K, Steers WD; Urinary Incontinence Treatment Network. Normal preoperative urodynamic testing does not predict voiding dysfunction after Burch colposuspension versus pubovaginal sling. *J Urol* 2008; 180: 2076-80.
15. Fletcher, SG, Castro-Borrero W, Remington G, Treadaway K, Lemack GE, Frohman EM. Sexual dysfunction in patients with multiple sclerosis: a multidisciplinary approach to evaluation and management. *Nat Clin Pract Urol* 2009; 6: 96-107.
16. Fitzgerald, MP, Lemack, GE, Wheeler T, Litman HJ for the Urinary Incontinence Treatment Network. Nocturia, nocturnal incontinence prevalence and response to anticholinergic and behavioral therapy. *Int Urogyn J* 2008; 19: 1545-50
17. Haverkorn R, Lemack GE. Editorial comment on: Medium-term anatomic and function results of laparoscopic sacrocolpopexy beyond the learning curve. *Eur Urol* 2009; 55: 1467-8.
18. Fletcher SG, Lemack GE. Clarifying the role of urodynamics in the preoperative evaluation of stress urinary incontinence. *ScientificWorldJournal* 2008; 8: 1259-68.
19. Kennelly MJ, Lemack GE, Foote JE, Trop CS. Efficacy and safety of oxybutynin transdermal system in spinal cord injury patients with neurogenic detrusor overactivity and incontinence: an open-label, dose-titration study. *Urology* 2009; 74: 741-5.
20. Nager CW, Brubaker L, Daneshgari F, Litman HJ, Dandreo KJ, Sirls L, Lemack GE, Richter HE, Leng W, Norton P, Kraus SR, Chai TC, Chang D, Amundsen CL, Stoddard AM, Tennstedt SL; Urinary Incontinence Treatment Network. Design of the Value of Urodynamic Evaluation (ValUE) trial: A non-inferiority randomized trial of preoperative urodynamic investigations. *Contemp Clin Trials* 2009; 30: 531-9.
21. Kenton K, Richter H, Litman H, Lukacz E, Leng W, Lemack G, Chai T, Arisco A, Tennstedt S, Steers W; Urinary Incontinence Treatment Network. Risk factors associated with urge incontinence after continence surgery. *J Urol.* 2009; 182: 2805-9.

22. Richter HE, Kenton K, Huang L, Nygaard I, Kraus S, Whitcomb E, Chai TC, Lemack G, Sirls L, Dandreo KJ, Stoddard A. The impact of obesity on urinary incontinence symptoms, severity, urodynamic characteristics and quality of life. J Urol 2010; 183: 622-8.
23. Brubaker L, Rickey L, Xu Y, Markland A, Lemack G, Ghetti C, Kahn MA, Nagaraju P, Norton P, Chang TD, Stoddard A; Urinary Incontinence Treatment Network. Symptoms of combined prolapse and urinary incontinence in large surgical cohorts. Obstet Gynecol 2010; 115: 310-6.