

CURRICULUM VITAE

Patrick J. Culligan, MD, FACOG, FACS

Professor of Obstetrics, Gynecology & Reproductive Science
Ichan School of Medicine at Mount Sinai, New York NY

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EDUCATION

BS Industrial Management Georgia Institute of Technology , Atlanta, Georgia
1985 - 1989

MD Mercer University School of Medicine, Macon, Georgia
1989 - 1993

Postdoctoral Clinical Training

July, 1993 – June, 1997 **Residency**
Department of Obstetrics & Gynecology
Greenville Hospital System affiliated with The University of South Carolina
Greenville, South Carolina

July, 1997 – June, 1999 **Fellowship**
Urogynecology and Reconstructive Pelvic Surgery (i.e. FPMRS)
Evanston Northwestern Healthcare
Evanston Continence Center, Northwestern University Medical School, Evanston, IL

MEDICAL LICENSURE

Medical Licenses South Carolina (inactive #17447), Illinois (inactive #036095727) and
Kentucky (active – #35188); **New Jersey (ACTIVE - 25MA07802200)**

BOARD CERTIFICATION

Female Pelvic Medicine & Reconstructive Pelvic Surgery – June 2013
American Board of Obstetrics and Gynecology – January 2001

ACADEMIC AND PROFESSIONAL EXPERIENCE

2004 – Present	Division Director & Fellowship Director - Division of Urogynecology & Reconstructive Pelvic Surgery – Atlantic health System
1999 - 2004	Full-time academic faculty Department of Obstetrics, Gynecology & Women's Health University of Louisville Health Sciences Center, Louisville, KY

KEY LEADERSHIP ROLES & ACCOMPLISHMENTS AT UNIVERSITY OF LOUISVILLE (1999 – 2004):

- 2001 Promoted from Instructor to Assistant Professor
- 2003 Promoted from Assistant to Associate Professor (tenure track)
- 2003 – 2004 Division Director & Fellowship Director– Urogynecology & Reconstructive Pelvic Surgery
- 2003 elected Managing Partner, University OB-GYN Associates, PSC (i.e. the “private practice” for all U of L OB/GYN faculty)
- 2001 elected Vice President, University OB-GYN Associates, PSC
- 2000 elected Treasurer, University OB-GYN Associates, PSC
- 2001 elected to Board of Directors, University OB-GYN Foundation, Inc.
- 2001 – Co-founder of our 3-year ABOG - approved Urogynecology fellowship program
- 2004 University of Louisville Medical School Finances Committee in preparation for LCME re-accreditation
- 1999 – 2004 Faculty for University of Louisville School of Nursing
- 1999 – 2004 Faculty for University of Louisville Geriatrics Fellowship
- 2002 – 2004 Thesis advisory committee for U of L MSPH candidates

KEY LEADERSHIP ROLES & ACCOMPLISHMENTS WITH ATLANTIC HEALTH SYSTEM (2004 – 2016)

- Founded the Division of Urogynecology & Reconstructive Pelvic Surgery
- Grew the clinical practice to include 3 Attendings and 2 Nurse Practitioners with a “primary catchment area” including NJ, NY, CT, PA, MD
- Founded and maintained an ABOG / ACGME approved 3-year Fellowship in Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
- Developed a nationally renowned FPMRS clinical research program

Professional Organizations:

Diplomate, National Board of Medical Examiners

Fellow, American College of Obstetricians & Gynecologists

Fellow, American College of Surgeons

Member, Society of Gynecologic Surgeons

Member, International Urogynecologic Society

Member, Society for Urodynamics and Female Urology

Member ***American Urogynecologic Society (AUGS)*** 1997 – present

KEY ROLES WITH AUGS

- 2000 – Developed first patient-oriented clinical content for www.augs.org
- 2001 National Public Relations Committee
- 2002 AUGS Representative at NIDDK annual meeting
- 2005 Program Committee for Annual Scientific Meeting
- 2005 – 2015 Session Moderator during Annual Scientific Meetings
- 2006 – 2015 Course Director for numerous AUGS postgrad courses
- 2011 VP of AUGS Foundation
- 2013 elected to AUGS Board of Directors

Editorial Boards:

Obstetrics & Gynecology (“The Green Journal”) 2007-2011

International Urogynecology Journal 2011 - present

Journal of Minimally Invasive Gynecology 2014 - present

The Female Patient 2009 – 2014

Ad Hoc Reviewer:

The American Journal of Obstetrics and Gynecology

Obstetrics and Gynecology

The International Journal of Urogynecology and Pelvic Floor Dysfunction

Female Pelvic Medicine & Reconstructive Surgery

Evidence Based Obstetrics & Gynecology

The International Journal of Epidemiology

Medical Science Monitor
Journal of Urology
Journal of the American Board of Family Practice
Journal of Reproductive Medicine
Medical Science Monitor
European Journal of General Practice
McMaster Online Rating of Evidence (MORE)

Medical School Faculty Appointments

1999 – 2001 **Instructor**
University of Louisville Health Sciences Center
Department of Obstetrics, Gynecology and Women's Health

2001 – 2003 **Assistant Professor** (tenure track)
University of Louisville Health Sciences Center
Department of Obstetrics, Gynecology and Women's Health

2003 – 2004 **Associate Professor** (tenure track)
University of Louisville Health Sciences Center
Department of Obstetrics, Gynecology and Women's Health

2006 – 2009 **Clinical Associate Professor** of Obstetrics and Gynecology
UMDNJ Medical School, Newark NJ

2010 - Present **Professor**
Icahn School of Medicine at Mount Sinai
Department of Obstetrics, Gynecology & Reproductive Science
New York, NY

Hospital Staff Appointments

1999 – 2004 University of Louisville Hospital, Louisville, KY
2000 – 2004 Norton Hospital, Louisville, KY
2000 - 2004 Baptist Hospital East, Louisville, KY
2003 - 2004 Jewish Hospital, Louisville, KY
2004 – Present AHS (Morristown & Overlook Hospital)

PROFESSIONAL SOCIETIES

Fellow of the American College of Obstetricians and Gynecologists
Fellow American College of Surgeons
Society of Gynecologic Surgeons
American Urogynecologic Society
International Urogynecology Association
Louisville Ob/Gyn Society
Society for Urodynamics and Female Urology

HONORS / AWARDS

Residency - Thompson A Gailey award for academic achievement – 1997

Fellowship - ACOG / 3M Research Award In Infectious Diseases– 1999

After Fellowship training

Berlex Foundation Faculty Development Award 2002

Young President's Organization – Bluegrass Chapter - 2003

Marquis Who's Who in America 2004 - 2015

SGS/AUGS Prize Paper Award for Outstanding Research in Gynecologic Surgery 2004

Prize Paper – 9th Annual Morristown Memorial Research Day – 2005

Castle Connolly "Top Doctors of Metro New York" 2008 - 2015

PATENTS

Culligan PJ, Goldberg RP, Scherr DS. ***Apparatus for housing a plurality of needles and method of use therefore*** U.S. Patent 8,418,851 B2, issued August 8, 2013.

- Invented this device - StitchKit® - and received FDA 510(k) clearance
- Currently sold through Origami Surgical, LLC (Dr. Culligan Founder & CEO)
- www.StitchKit.com

PUBLISHED ORIGINAL RESEARCH / APPS DEVELOPED

Apps for iPad & iPhone

1. 2008 - POP-Q: Pelvic Organ Prolapse – An Interactive Guide
 - Developed by Dr. Culligan – made available for free by CR BARD
 - Patient Education tool with per-patient custom animations of disease state
 - iPad, iPhone and web-based application
 - Highly popular among FPMRS practitioners worldwide
 -
2. 2011 – Interactive Pelvic Organ Prolapse Quantification System (POP-Q) Program
 - Developed by Dr. Culligan – made available for free by Boston Scientific
 - Patient Education tool with per-patient custom animations as well as a “build a surgery” feature that illustrates all surgical options
 - iPad and Web-based application
 - Highly popular among FPMRS practitioners worldwide

Peer Reviewed Publications

1. **Culligan PJ**, Crane MM, Boone WR, Price TM, Allen T, Blauer KL. Validity and cost-effectiveness of antisperm antibody testing before in vitro fertilization. *Fertility and Sterility*. 1998;69(5):894-898.
2. Enzler M, Agins H, Kogan M, Kudurna J, Sand P, Wurtz R, **Culligan PJ**. Osteomyelitis of the pubis following suspension of the neck of the bladder with use of bone anchors. *J Bone Joint Surg* 1999;81-A(12):1736-40.
3. Winkler HA, Sand PK, **Culligan PJ**, Middleton AW. Phase II trial of a valved urethral insert. *J Pelvic Surg* 1999;5(4):212-15.
4. Sand PK, Winkler HA, Blackhurst DW, **Culligan PJ**. A prospective randomized study comparing modified Burch retropubic urethropexy and suburethral sling for treatment of genuine stress incontinence with low-pressure urethra. *Am J Obstet Gynecol*. 2000;1(1):30-34.
5. **Culligan PJ**, Rackley RA, Koduri S, Thomson RB, Schwabe L, Sand PK. Is it safe to reuse a syringe of glutaraldehyde cross-linked collagen – A microbiological study. *J Urol* 2000;164:1275-6.
6. **Culligan PJ**, Heit MH. Incontinence in women: evaluation and management. *Am Fam Physician* 2000;62(11):2433-44.
7. **Culligan PJ**, Koduri S, Blackhurst DW, Sand PK. Comparison of microtransducer and fiberoptic catheters for urodynamic studies. *Obstet Gynecol* 2001;98(2):253-7.
8. Sand PK, Koduri S, Lobel, R, Winkler, HA, Tomezsko J, **Culligan, PJ**, Goldberg R. Prospective randomized trial of polyglactin 910 mesh to prevent recurrence of cystoceles and rectoceles. *Am J Obstet Gynecol* 2001;184(7):1352-1356.
9. Goldberg RP, Tomezsko JE, Winkler HA, Koduri S, **Culligan PJ**, Sand PK. Anterior or posterior sacrospinous vaginal vault suspension: long-term anatomic and functional evaluation. *Obstet Gynecol* 2001;98(2):199-204.
10. Heit MH, Mudd K, **Culligan PJ**. Prevention of childbirth injuries to the pelvic floor. *Cur Women's Health Rep* 2001;1(1):72-80.
11. Goldberg RP, Koduri S, Lobel RW, **Culligan PJ**, Tomezsko JE, Winkler HA, Sand PK. Protective effect of suburethral slings on postoperative cystocele recurrence after reconstructive pelvic operation. *Am J Obstet Gynecol* 2001;185(6):1307-13.
12. Major H, **Culligan PJ**, Heit M. Urethral sphincter morphology in women with detrusor instability. *Obstet Gynecol* 2002;99(1):63-68.
13. Heit M, **Culligan PJ**, Rosenquist C, Schott, S. Is pelvic organ prolapse a cause of pelvic or low back pain? *Obset Gynecol* 2002;99(1):23-28.

14. **Culligan PJ**, Koduri S, Heit MH, Rackley R, Thomson RB, Schwabe L, Goldberg RP, Bent AE, Nihira M, Sand PK. The safety of reusing injectable collagen: a multicenter microbiologic study. *Int Urogynecol J* 2002;13(4):232-5.
15. **Culligan PJ**, Hill S, Heit M. Rupture of the symphysis pubis during vaginal delivery followed by two subsequent uneventful pregnancies. *Obstet Gynecol* 2002;100(5 part2):1114-5.
16. **Culligan PJ**, Murphy M, Blackwell L, Hammons G, Graham C, Heit MH. Long-term success of abdominal sacral colpopexy using synthetic mesh. *Am J Obstet Gynecol* 2002;187(6):1473-82.
17. **Culligan PJ**. Poor agreement between the microtip and double-lumen perfusion catheters for urethral pressure profilometry. *Evidence-based Obstet Gynecol* 2002;4(4):198-97.
18. **Culligan PJ**, Goldberg R, Sand PK. A randomized controlled trial comparing a modified burch procedure and suburethral sling: long-term follow-up. *Int Urogynecol J* 2003;14:229-233.
19. **Culligan PJ**, Miklos JR, Murphy M, Goldberg R, Graham CA, Moore R, Hainer M, Heit MH. The tensile strength and safety of uterosacral sutures: A comparison of the vaginal and laparoscopic techniques. *Obstet Gynecol* 2003;101(3):500-503.
20. Murphy M, Heit M, Fouts L, Graham C, Blackwell L, **Culligan PJ**. The effect of anesthesia on voiding function after tension-free vaginal tape procedure. *Obstet Gynecol* 2003;101(4):666-670.
21. Heit M, Rosenquist C, **Culligan PJ**, Graham C, Murphy M, & Shott S. Predicting treatment choice for patients with pelvic organ prolapse. *Obstet Gynecol* 2003;101(6):1279-1284.
22. Kwon CH, **Culligan PJ**, Koduri S, Goldberg RP, Sand PK. The development of pelvic organ prolapse following isolated Burch retropubic urethropexy. *Int Urogynecol J* 2003;14:321-325.
23. **Culligan PJ**, Heit MH, Blackwell L, Graham CA, Snyder J. Bacterial colony counts during vaginal surgery. *Infectious Disease OB-GYN* 2003;11(3)161-165.
24. Slack M, **Culligan PJ**, Tracey M, Hunsicker K, Pate B, Sumeray M. The Relationship of Urethral Retro-resistance Pressure to Urodynamic Measurements and Incontinence Severity. *Neurourol Urodyn* 2004;23:109-114
25. Murphy M, Heit MH, **Culligan PJ**. Evaluation and treatment of female urinary incontinence. *Am J Med & Sports* 2004;6(4):70-77
26. Goldberg RP, Tchetgen MB, Sand PK, Koduri S, Rackley R, Appell R, **Culligan PJ**. Incidence of pubic osteomyelitis following bladder neck suspension using bone anchors. *Urology* 2004;63(4):704-708

27. Murphy M, **Culligan PJ**, Graham CA, Kubik K, Heit MH. Is the Leak Point Pressure Alone an accurate indicator of intrinsic sphincteric deficiency? *Int J Urogyn* 2004;15(5):294-297
28. Goldberg RP, Kwon C, Koduri S, Sand PK, **Culligan PJ**. The tensile strength of Cooper's ligament suturing: comparison of transvaginal versus abdominal techniques. *Int J Urogyn* 2004;15(6):425-428
29. **Culligan PJ**, Myers JA, Goldberg RP, Blackwell L, Gohmann SF, Abell TD Elective Cesarean Section to Prevent Anal Incontinence and Brachial Plexus Injuries Associated with Macrosomia – A Decision Analysis. *Int J Urogyn* 2005;16:19-28
30. **Culligan PJ**, Kubik K, Blackwell L, Murphy M, Snyder J. A randomized trial that compared providone iodine and chlorhexidine as antiseptics for vaginal hysterectomy. *Am J Obstet Gynecol* 2005;192:422-425
31. **Culligan PJ**, Blackwell L, Murphy M, Ziegler C, Heit MH. A randomized, double-blind, sham-controlled trial of postpartum extracorporeal magnetic innervation to restore pelvic muscle strength in primiparous patients. *Am J Obstet Gynecol* 2004;192:1578-1582
32. Murphy M, **Culligan PJ**, Arce CM, Graham CA, Blackwell L, Heit MH. Is cough-stress test necessary when placing the tension free vaginal tape? *Obstet Gynecol* 2005;105(2):319-324
33. Slack M, **Culligan PJ**, Tracey M, Hunsicker K, Patel B, Sumeray M. Reply by authors, "Technique of urethral retro-resistance pressure measurements". *Neurourol Urodyn* 2005;24(1):96-97
34. **Culligan PJ**, Blackwell L, Goldsmith LJ, Graham CA, Rogers A, Heit MH. A randomized controlled trial comparing fascia lata and synthetic mesh for sacral colpopexy. *Obstet Gynecol* 2005;106(1):29-37
35. **Culligan PJ**. TVT prevented stress incontinence after prolapse surgery better than endopelvic fascia plication. *Evidence-based Obstet Gynecol* 2005;7:42-43
36. **Culligan PJ**. Surgical repair of the posterior compartment. *Clinical Obstet Gynecol* 2005;48(3):704-712
37. Murphy M, **Culligan PJ**, Arce CM, Graham CA, Blackwell L, Heit MH. Construct validity of the incontinence severity index. *Neurol urodynamics* 2006;25(5):418-423
38. **Culligan PJ**. Preoperative vaginal preps with chlorhexidine gluconate solution (reply – letter to editor). *AJOG* 2006;195(2):624-625
39. **Culligan PJ**. 4 Steps to evaluation of asymptomatic microscopic hematuria. *Contemporary OB/GYN* 2006; 51(9):72-76
40. Mukai M, Aboujaoude R, **Culligan PJ**. Two cases illustrating a potential difference between transobturator and retropubic slings. *Int J Urogyn*. 2007;18(8):967-969

41. Shariati A, **Culligan PJ**. Robotic-Assisted Laparoscopic Sacrocolpopexy. *The Female Patient* 2008;33(4):112-120
42. Littman P, **Culligan PJ**. The rapid evolution of vaginal mesh delivery systems for the correction of pelvic organ prolapse, Part 1: Clinical Data. *The Female Patient* 2009;34(4):32-38
43. Littman P, **Culligan PJ**. The rapid evolution of vaginal mesh delivery systems for the correction of pelvic organ prolapse, Part 2: Clinical Recommendations. *The Female Patient* 2009;34(5):23-24
44. Tate SB, **Culligan PJ**, Acland RD. Outside-in transobturator midurethral sling and the dorsal nerve of the clitoris. *Int J Urogyn.* 2009;20(11):1335-38
45. **Culligan PJ**, Lewis-Priestley J, Blackwell L, Tate SB. Can urethral retro-resistance pressures predict midurethral sling outcomes? *J Repro Med* 2010;55(3-4):103-107
46. **Culligan PJ**, Scherer J, Dyer K, Priestley JL, Guingon-White G, Delvecchio D, Vangeli M. A randomized clinical trial comparing pelvic floor muscle training to a Pilates exercise program for improving pelvic muscle strength. *Int J Urogyn* 2010;21(4):401-408
47. Salamon CG, Shariati A, **Culligan PJ**. Optimizing efficiency with robot-assisted laparoscopic sacrocolpopexy. *The Female Patient* 2010;35(4):33-38
48. **Culligan PJ**, Littman PM, Salamon CG, Priestley JL, Shariati A. Evaluation of a transvaginal mesh delivery system for the correction of pelvic organ prolapse: subjective and objective findings at least 1 year after surgery. *AJOG* 2010;203(5):506
49. Tate SB, Blackwell L, Lorenz DJ, Steptoe M, **Culligan PJ**. Randomized trial of fascia lata and polypropylene mesh for abdominal sacrocolpopexy: 5 year follow-up. *Int J Urogyn.* 2011;22(2):137-143
50. Lewis CM, Salamon C, **Culligan PJ**. Uncomplicated vaginal delivery following midurethral sling. *Female Pelvic Med & Recon Surg* 2011;17(3):147-148
51. Lewis CM, **Culligan PJ**. Gynecologic surgical site infections: Simple strategies for prevention. *The Female Patient* 2011;36:14-22
52. Lewis CM, **Culligan PJ**. Sacrohysteropexy followed by successful pregnancy and eventual reoperation for prolapse. *Int J Urogyn* 2012;23(7):957-959
53. **Culligan PJ**. Clinical Expert Series (invited publication) Non-surgical Management of Pelvic Organ Prolapse. *Obstet Gynecol* 2012;119(4):852-860
54. **Culligan PJ**, Salamon C, Priestley JL, Shariati A. Porcine dermis compared with polypropylene mesh for laparoscopic sacrocolpopexy. A randomized controlled trial. *Obstet Gynecol* 2013;121(1):143-151
55. Salamon C, **Culligan P**. Subjective and objective outcomes 1 year after robotic-assisted laparoscopic sacrocolpopexy. *J Robotic Surg* 2013; 7:35–38

56. Salamon CG, Lewis CM, Priestley JL, Gurshumov E, **Culligan PJ**. Prospective study of an ultra-lightweight polypropylene Y mesh for robotic sacrocolpopexy. *Int J Urogyn* 2013;24:1371-1375
57. **Culligan PJ**, Salamon CG, Lewis C, Abell TA. Cost-effectiveness analysis comparing robotic sacrocolpopexy to vaginal mesh hysteropexy for treatment of uterovaginal prolapse. *Open J Obstet Gynecol* 2013;3:613-620
58. **Culligan PJ**, Gurshumov E, Lewis C, Priestley JL, Komar J, Salamon C. Predictive validity of a training protocol utilizing a robotic surgery simulator. *Female Pelvic Med & Recon Surg* 2014;20(1):48-51
59. **Culligan PJ**, Gurshumov E, Lewis C, Priestly JL, Shah NP, Komar J, Salamon C. Subjective and objective results 1 year after robotic sacrocolpopexy using a lightweight Y-mesh. *Int J Urogyn* 2014;25(6):731-735
60. Salamon CG, Lewis CM, Priestley J, **Culligan PJ**. Sexual function before and 1 year after laparoscopic sacrocolpopexy. *Female Pelvic Med & Recon Surg* 2014;20(1):44-47
61. **P Culligan**, C Salamon, C Lewis, T Abell. Cost-effectiveness analysis comparing robotic sacrocolpopexy to a vaginal mesh hysteropexy for treatment of uterovaginal prolapse. *Open Journal of Obstetrics and Gynecology*, 2013, 3, 613-620
62. C Lewis, C Salamon, J Priestley, E Gurshumov, **P Culligan**. Prospective Cohort Study of Bowel Function After Robotic Sacrocolpopexy. *Female Pelvic Med & Recon Surg* 2014;20 (2): 87-89
63. Botros C, Lewis C, **Culligan P**, Salamon C. A prospective study of a single incision sling at the time of robotic sacrocolpopexy. *Int J Urogyn* 2014;25(11):1541-6
64. Jirschele K, Seitz M, Zhou Y, Rosenblatt P, **Culligan P**, Sand P. A multicenter, prospective trial to evaluate mesh-augmented sacrospinous hysteropexy for uterovaginal prolapse. *Int J Urogyn* 2015;26:743-48

Published, Non-Peer-Reviewed Manuscripts

1. **Culligan PJ**, Katner HP. The Female Condom: A new alternative in barrier contraception. *Journal of the Georgia Academy of Family Physicians*. 1993;15(2):12-13.
2. **Culligan PJ**, Sand PK. Involuntary urine loss in women: Help for a hidden problem. *Patient Care*. 1998;Dec 15:141-162.
3. Heit M, **Culligan PJ**. Evaluation and management of stress urinary incontinence in the new millennium. *Louisville Medicine*. 2000;48(2):79-81.
4. Karram M, **Culligan PJ**, Fleishman SJ. The role of the Ob/Gyn in evaluating and managing urinary incontinence. *Supplement to OBG Management*, April 2002.

5. **Culligan PJ**, Drugs for overactive bladder a bit overrated. *Tufts University Health and Nutrition Letter* 2002;20(2):1-7.
6. Kubik KM, **Culligan PJ**, Anal incontinence before, during and after pregnancy. *Perinatal Center Clinical News – University of Louisville, HSC* October 2003;31(10)

Books and Chapters

1. **Culligan PJ**, Goldberg RP Editors – *Urogynecology in Primary Care*: 2006 London England Springer Verlag
2. **Culligan PJ**, Sand PK. Cystoscopy, Urethroscopy and Dynamic Cystourethroscopy. (Chapter 15) In: Drutz HP, Herschorn S, Diamant NE, editors. *Female Pelvic Medicine and Reconstructive Pelvic Surgery*. Heidelberg, Germany: Springer-Verlag; 2002. Chapter 15, page 169.
3. Lucente, V, **Culligan PJ**. The use of vaginal mesh for treatment of pelvic organ prolapse. Baggish & Karram (editors). *Atlas of Pelvic Anatomy & Gynecologic Surgery*. Saunders 2012

Abstracts (Presented at National and/or International Scientific Meetings)

1. Winkler HA, **Culligan PJ**, Middleton AW, Sand PK. *Preliminary Report of the Efficacy and Safety of an Intraurethral Magnetic Catheter*. Presented at the 24th Scientific Meeting of The Society of Gynecologic Surgeons. Orlando, Florida, March 4, 1998.
2. Enzler M, Agins H, **Culligan PJ**, Wurtz R. *Pelvic osteomyelitis following bladder suspension using bone anchors*. Presented at the Eighth Annual Scientific Meeting for the Society for Healthcare Epidemiology of America, Orlando, FL, April 5-7, 1998.
3. **Culligan PJ**, Winkler HA, Sand PK. *A prospective randomized study of modified Burch retropubic urethropexy and suburethral sling for genuine stress incontinence*. Presented at the American Urogynecologic Society 19th Annual Scientific Meeting, Washington, D.C., November 12-15, 1998.
4. **Culligan PJ**, Koduri S, Blackhurst DW, Sand PK. *A comparison of microtransducer and fiberoptic transducer catheters for urethral pressure profilometry and leak point pressure assessment*. Presented at the International Continence Society annual meeting, Denver, CO, August 23-26, 1999.
5. **Culligan PJ**, Rackley RA, Koduri S, Thompson RB, Schwabe L, Sand PK. *Is it safe to reuse a syringe of GAX collagen? A microbiologic study*. Presented at the American Urogynecologic Society Meeting 20th Annual Scientific Meeting, San Diego, CA, October 14-16, 1999.
6. Koduri S, **Culligan PJ**, Winkler HA, Sand PK. *Outcomes analysis of vaginal patch sling with and without bone anchors for low pressure urethra*. Presented at the American Urogynecologic Society 20th Annual Scientific Meeting, San Diego, CA, October 14-16, 1999

7. Goldberg R, Sand P, Koduri S, **Culligan P**. *A prospective randomized study comparing modified Burch retropubic urethropexy and suburethral sling: Long term follow-up*. Presented at the American Urogynecologic Society 21st Annual Scientific Meeting, Orlando, FL, October 26-28, 2000.
8. Goldberg R, **Culligan P**, Tchetgen M, Koduri S, Rackley R, Appell R, Sand P. *Incidence of pubic osteomyelitis following bladder neck suspension using bone anchors*. Presented at the American Urogynecologic Society 21st Annual Scientific Meeting, Orlando, FL, October 26-28, 2000.
9. Heit M, Rosenquist P, **Culligan P**. *Predictors of treatment choice for patients with pelvic organ prolapse*. Presented at the American Urogynecologic Society 21st Annual Scientific Meeting, Orlando, FL, October 26-28, 2000.
10. **Culligan P**, Koduri S, Heit M, Rackley R, Nihira M, Thompson R, Bent A, Sand P. *Is it safe to reuse a syringe of GAX collagen? A multicenter microbiologic study*. Presented at the American Urogynecologic Society 21st Annual Scientific Meeting, Orlando, FL, October 26-28, 2000.
11. Heit M, Rosenquist C, **Culligan P**. *Is pelvic organ prolapse a cause of chronic pelvic/ low back pain?* Presented at the American Urogynecologic Society 21st Annual Scientific Meeting, Orlando, FL, October 26-28, 2000.
12. **Culligan P**, Hammons G, Heit M. *The use of acellular dermal grafts in reconstructive pelvic surgery*. Presented at the American Urogynecologic Society 21st Annual Scientific Meeting, Orlando, FL, October 26-28, 2000.
13. Goldberg R, Koduri S, Lobel R, Winkler H, Tomezsko J, **Culligan P**, Sand P. *The protective effect of suburethral slings on postoperative cystocele recurrence following pelvic reconstructive surgery*. Presented at the Society of Gynecologic Surgeons 27th Scientific Meeting, Lake Buena Vista, FL, March 5-7, 2001.
14. Goldberg R, **Culligan P**, Koduri S, Sand P. *The tensile strength of Cooper's ligament suturing: comparison of transvaginal versus abdominal techniques*. Presented at the Society of Gynecologic Surgeons 27th Scientific Meeting, Lake Buena Vista, FL, March 5-7, 2001.
15. **Culligan PJ**, Murphy M, Blackwell L, Hammons G, Graham C, Heit M. Long-term success of sacral colpopexy using synthetic mesh. Presented at the Society of Gynecologic Surgeons 28th Scientific Meeting, Dallas Texas, March 4 – 6, 2002
16. Goldberg R, **Culligan P**, Miklos J, Koduri S, Kwon C, Sand P. *The tensile strength of Cooper's ligament suturing: comparison of "open" abdominal, laparoscopic and transvaginal techniques*. Presented at the American Urogynecologic Society 22nd Annual Scientific Meeting, Chicago, IL, October 25-27, 2001.
17. Heit M, Major H, **Culligan P**. *Urethral sphincter morphology in women with detrusor instability*. Presented at the American Urogynecologic Society 22nd Annual Scientific Meeting, Chicago, IL, October 25-27, 2001.

18. Kwon C, **Culligan P**, Koduri S, Goldberg R, Sand P. *Development of pelvic organ prolapse following burch retropubic urethropexy*. Presented at the American Urogynecologic Society 22nd Annual Scientific Meeting, Chicago, IL, October 25-27, 2001.
19. Goldberg RP, Koduri S, Lobel RW, **Culligan PJ**, Tomezsko JE, Winkler HA, Sand PK. *Long-term effects of three different anti-incontinence procedures on the posterior compartment*. Presented at the American Urogynecologic Society 22nd Annual Scientific Meeting, Chicago, IL, October 25-27, 2001.
20. Murphy M, Heit M, Fouts L, Graham C, Blackwell L, **Culligan PJ**. *The effect of anesthesia on voiding function following tension-free vaginal tape*. Presented at the American Urogynecologic Society 23rd Annual Scientific Meeting, San Francisco, CA, October 17 – 19, 2002.
21. **Culligan PJ**, Murphy M, Goldberg R, Graham C, Moore R, Hainer M, Heit M, Miklos J. *Tensile strength of uterosacral ligament suturing: A comparison of the vaginal and laparoscopic techniques*. Presented at the American Urogynecologic Society 23rd Annual Scientific Meeting, San Francisco, CA, October 17 – 19, 2002.
22. **Culligan PJ**, Heit MH, Blackwell L, Murphy M, Graham CA, Snyder J. *Bacterial colony counts during vaginal surgery*. Presented at the Society of Gynecologic Surgeons' 29th Annual Scientific Meeting. Anaheim, CA, March 5-7, 2003.
23. **Culligan PJ**, Myers JA, Heit MH, Goldberg RP, Blackwell L, Gohmann SF, Murphy M, Graham CA, Abell TD. *Elective Cesarean Section to Prevent Anal Incontinence and Brachial Plexus Injuries Associated with Macrosomia – A Decision Analysis*. Presented at The American Urogynecologic Society 24th Annual Scientific Meeting, Hollywood, Fla, September 11, 2003
24. **Culligan PJ**, Habib F, Heit MH, Blackwell L, Murphy M, Kubik K, Graham CA, Abell. *Elective Cesarean Section to Prevent Anal Incontinence among Women with a History of Anal Sphincter Disruption during a Prior Vaginal Delivery– A Decision Analysis* Presented at The American Urogynecologic Society 24th Annual Scientific Meeting, Hollywood, Fla, September 11, 2003
25. Murphy M, **Culligan PJ**, Graham CA, Kubik K, Attum O, Heit MH. *Is the leak point pressure alone always an accurate indicator of intrinsic sphincter deficiency?* Presented at The American Urogynecologic Society 24th Annual Scientific Meeting, Hollywood, Fla, September 11, 2003
26. **Culligan PJ**, Kubik K, Murphy M, Blackwell L, Snyder J. *A randomized controlled trial comparing povidone-iodine and chlorhexidine to prepare the vaginal field for vaginal hysterectomy*. Presented at The American Urogynecologic Society 25th Annual Scientific Meeting, San Diego, CA, July 27-29, 2004
27. **Culligan PJ**, Blackwell L, Murphy M, Ziegler C, Heit MH. *A blinded, sham-controlled trial of postpartum extracorporeal magnetic innervation to restore pelvic muscle strength in primiparous patients*. Presented at The American Urogynecologic Society 25th Annual Scientific Meeting, San Diego, CA, July 27-29, 2004

28. **Culligan PJ**, Blackwell L, Goldsmith LJ, Rogers A, Heit MH. A double blind, randomized controlled trial comparing solvent dehydrated cadaveric fascia lata and polypropylene mesh for sacral colpopexy. Presented at The American Urogynecologic Society 25th Annual Scientific Meeting, San Diego, CA, July 27-29, 2004 (**PRIZE PAPER FOR OUTSTANDING RESEARCH IN GYNECOLOGIC SURGERY**)
29. Murphy M, **Culligan PJ**, Arce CM, Graham CA, Blackwell L, Heit MH. Is the cough stress test necessary when placing the tension free vaginal tape? Presented at The American Urogynecologic Society 25th Annual Scientific Meeting, San Diego, CA, July 27-29, 2004
30. Murphy M, **Culligan PJ**, Arce CM, Graham CA, Blackwell L, Heit MH. Construct validity of the incontinence severity index. Presented at The American Urogynecologic Society 25th Annual Scientific Meeting, San Diego, CA, July 27-29, 2004 Presented at The American Urogynecologic Society 25th Annual Scientific Meeting, San Diego, CA, July 27-29, 2004
31. **Culligan PJ**, Goldsmith LJ, Blackwell L, Tate SB. Prolapse symptom severity, defecation, urinary continence, pain and overall quality of life after sacral colpopexy. Presented at the American Urogynecologic Society Meeting 26th Annual Scientific Meeting, Atlanta, GA Sept 15-17, 2005
32. **Culligan PJ**, Goldsmith LJ, Blackwell L, Tate SB. Sexual satisfaction before and after sacral colpopexy. Presented at the American Urogynecologic Society 26th Annual Scientific Meeting, Atlanta, GA Sept 15-17, 2005
33. **Culligan PJ**, Priestley JL, Blackwell L. Can urethral retro resistance pressure predict success or failure following sub-urethral sling placement? Presented at the American Urogynecologic Society 27th Annual Scientific Meeting; Palm Springs, CA Oct 16-18, 2006
34. **Culligan PJ**, J Scherer, K Dyer, J Priestley, G Guignon-White, D DeVecchio, M Vangeli. A randomized controlled trial comparing traditional pelvic floor muscle training to a Pilates exercise program. AUGS 29th annual Scientific Meeting, Chicago IL Sept 4, 2008
35. **Culligan PJ**, Scherer J, Salamon C, Priestley JL, Shariati A. A blinded randomized clinical trial comparing synthetic mesh to porcine dermis for laparoscopic sacrocolpopexy. AUGS 31st annual Scientific Meeting. Long Beach CA, Sept 30, 2010
36. Salamon C, Shariati A, **Culligan PJ**. Sexual function before and one year after laparoscopic sacrocolpopexy. AUGS 31st annual Scientific Meeting. Long Beach CA, Sept 30, 2010
37. Shariati A, Salamon C, **Culligan PJ**. Bowel function and defecation before and one year after laparoscopic sacrocolpopexy, AUGS 31st annual Scientific Meeting. Long Beach CA, Sept 30, 2010
38. Salamon C, Lewis CM, Shariati A, Priestley JL, Gurshumov E, **Culligan P**. Prospective cohort study of robotic sacrocolpopexy using lightweight polypropylene Y-mesh. AAGL 40th Global Congress, Hollywood FL, Nov 2011
39. **Culligan PJ**, Salamon C, Lewis CM, Abell T. Cost-effectiveness comparison of the Uphold vaginal support system versus robotic-assisted laparoscopic sacrocolpopexy. AAGL 40th Global Congress, Hollywood FL, Nov, 2011

40. Gurshumov E, Lewis CM, **Culligan PJ**. VIDEO – “Robotic-assisted laparoscopic supracervical hysterectomy. AAGL 40th Global Congress. Hollywood FL. Nov, 2011
41. **P. Culligan**, C. Lewis, S. St. Louis, J. Komar, J. Pagnillo, C. Salamon, N. Treff, D. Taylor, H. Garnsey, R. Scott. Potential Genetic Basis For Failure of Laparoscopic Sacrocolpopexy. AUGS 35th Annual Scientific Meeting. Washington, DC, Jul, 2014
42. St. Louis, **P. Culligan**, C. Lewis, J. Komar, J. Pagnillo, C. Salamon, N. Treff, D. Taylor, C. Bohrer, R. Scott. Potential Genetic Basis for Failure of Laparoscopic Sacrocolpopexy: a missense mutation in the ZFYVE16 gene. AAGL 43rd Global Congress. Vancouver BC, Nov, 2014
43. V Vallabh-Patel, CM Saiz, A Francis, J Pagnillo, C Salamon, **PJ Culligan**. Prevalence of occult pathology within morcellated uteri removed during concomitant sacrocolpopexy. AUGS 36th Annual Scientific Meeting, Seattle, WA 2015
44. N Mushonga, C Salamon, C Lewis, J Pagnillo, S St.Louis, **PJ Culligan**. Long-Term results of robotic sacrocolpopexy using lightweight Y mesh. AUGS 36th Annual Scientific Meeting, Seattle, WA 2015

PRESENTATIONS

Only national and/or International meetings listed

1. “What procedure should be done to correct GSI complicated by low pressure urethra?” in: Advances in Urogynecology and Reconstructive Pelvic Surgery. Chicago, IL, April 16-18, 1998
2. “Diagnosing Genuine Stress Incontinence: Urethral Pressure Profiles and Leak Point Pressures” in: Advances in Urogynecology, Reconstructive Pelvic Surgery and Office Therapy. Chicago, IL, April 15-17, 1999
3. Faculty - AAGL sponsored “Advanced Workshop on Gynecologic Laparoscopic Anatomy and Surgery on Unembalmed Female Cadavers”. Louisville, KY, August 11-12, 2000
4. **Course Director** – Urogynecology for Primary Care Providers (9.75 hours CME), New York, NY, June 24 – 26, 2005
5. **Course Director** – Urogynecology for Primary Care Providers (9.75 hours CME), New York, NY, June 23 – 25, 2006
6. “Robotic Assisted Laparoscopic Sacral Colpopexy” AAGL , Las Vegas NV, Nov 8th 2006
7. **Course Director** - Office Based Urogynecology (10 hours CME), New York, NY, October 27 – 28, 2007
8. “Robotics in Urogynecology” - AAGL Global Congress of Minimally Invasive Gynecology, Washington D.C. November 13, 2007

9. "Applications of Robotics in Gynecologic Surgery", 12th Annual Update in Gynecologic Urology, St Maarten, January 24-26, 2008
10. Postgraduate Course: Minimally invasive urogynecology: Robotic surgery, laparoscopy, and new mesh delivery systems. AUGS 29th annual Scientific Meeting Sept 3, 2008
11. Live Telesurgery broadcast from NJ to Las Vegas to AAGL World Congress, Las Vegas 2008 – Robotic Sacrocolpopexy
12. Moderator and Speaker – World Robotic Gynecology Congress, (jointly sponsored by University of Michigan, The Mayo Clinic and UNC School of Medicine) May 7-9, 2009
13. **Course Director** – Office-Based Urogynecology (10.5 hours CME), New York, NY, June 6-7, 2009
14. Postgrad Course Faculty: Minimally Invasive Urogynecology. AUGS 29th Annual Scientific Meeting, Chicago, IL. 2008
15. **Co-Course Director** – "Laparoscopic Sacrocolpopexy" IUGA Annual Scientific Meeting, Lake Como Italy, June 2009
16. **Course Director** – Complications in Robotic and/or trans-vaginal surgery for prolapse. Post-graduate course in conjunction with AUGS annual meeting, Hollywood FL. Sept 26, 2009
17. **Workshop Director** – Laparoscopic and Robotic Sacrocolpopexy: International Urogynecological Association Annual Scientific Meeting, Lake Como, Italy 2009
18. Course Faculty - "Robotic Sacrocolpopexy" at The Miami Robotics Symposium, Miami FL October 16, 2010
19. Course Faculty - "Pills Patches, Creams...making sense of the various bladder drugs" Female Pelvic Medicine for the Office-Based Practitioner. AUGS-sponsored CME course. Chicago, IL October 23-26
20. Course Faculty - "Modern use of the pessary" & "The Business of Urogynecology" – both at the AUGS-sponsored CME course – Female Pelvic Medicine for the Office-Based Practitioner, Chicago IL Oct 22-25, 2012
21. Postgrad Course Faculty -Robotic and Traditional Laparoscopic Sacrocolpopexy. AUGS 34th Annual Scientific Meeting, Las Vegas, NV, 2013
22. **Course Director** – "Robotic and Laparoscopic Sacrocolpoexy". AUGS / IUGA Joint Scientific Meeting, Washington, DC 2014
23. Course Faculty – AUGS Annual FPMRS Comprehensive Board Review Course, Dallas TX 2015
24. Live Telesurgery broadcast from NJ to Seattle, "Robotic Sacrocolpopexy with minimal need for assistance" AUGS Annual Scientific Meeting, Seattle WA, 2015

25. **Course Director** – “Laparoscopic & Robotic Sacrocolpopexy: Tips and Tricks. Postgrad Course at AUGS Annual Scientific Meeting, Seattle, WA 2015
26. **Course Faculty** – “Hands-on Cadaveric Workshop on Urogynecologic Surgery” 44th Annual AAGL World Congress, Las Vegas, NV 2015
27. Course Faculty – AUGS Annual FPMRS Comprehensive Review Board Course, Dallas TX, 2016

RESEARCH GRANTS / AWARDS

1. 1992 – American Cancer Society Medical Student Research Grant **(\$500)** for: “Adhesion prevention in a rat model”
2. 1999 – Principle Investigator: **(\$15,000)** ACOG/3M Pharmaceuticals Research Award for: “At what point during vaginal surgery does the surgical field become contaminated?” Project completed 2004 and published in AJOG
3. 2000 – Principle Investigator: **(\$114,000)** Neotonus, Inc. Research Grant (Investigator initiated) for: “Extracorporeal Magnetic Innervation to Restore Pelvic Floor Integrity after Vaginal Childbirth.” Projected completed 2004 and published in AJOG
4. 2001 – Co-Principle Investigator: **(\$131,591)** Mentor Corporation Research Grant (Investigator initiated) for: “A Randomized Study of Synthetic Versus Organic Allograft for Sacral Colpopexy.” Projected completed in 2004 and published in Obstet Gynecol
5. 2001 – Principle Investigator: **(\$4,000)** University of Louisville Intramural Grant for “The tensile strength and safety of uterosacral ligament suturing: Comparing vaginal and laparoscopic approaches”. Project completed 2001 and published in Obstet Gynecol
6. 2003 – Principle Investigator: **(\$43,000)** Gynecare (a Division of Ethicon) initiated multicenter study: “Use of the Monitorr device for urodynamic studies”. Project completed 2003 and published in Neurol and Urodyn
7. 2004- Principal Investigator: **(\$79,130)** Gynecare (a Division of Ethicon) sponsored, investigator-initiated study: “Predicting surgical success with pre-operative URP studies” Project completed 2005. Published in J Repro Med 2009
8. 2005 - Principal Investigator: **(\$198,000)** CR Bard sponsored, investigator-initiated study: “A Randomized Trial Comparing Porcine Dermis and Synthetic Mesh for Laparoscopic Sacral Colpopexy” Anticipated completion 2009 (anticipated publication 2010)
9. 2006 – Principal Investigator: **(\$65,400)**. Investigator-initiated study: “Pilates versus Pelvic Floor Muscle Training – an RCT” Completed – Published in Int J Urogyn 2009
10. 2006 Principal Investigator **(\$60,000)**. A multi-center evaluation of the Attenuex device for female stress urinary incontinence – An FDA pre-market pivotal trial. Completed enrollment 2009. Anticipated publication 2010.

11. 2009- Principal Investigator: (\$55,000) Evanston Hospital sponsored, investigator-initiated study “Sacrohysteropexy with synthetic mesh for uterovaginal prolapse”. Anticipated completion 2009
12. 2009 - Principal Investigator: (\$150,000) Mpathy Medical sponsored investigator-initiated study “Prospective cohort study of Restorelle™ mesh for robotic sacrocolpopexy”. Anticipated completion 2010. Anticipated publication 2011.
13. 2010 - Principle Investigator: (\$187,500) AMS-sponsored - An investigation of the Treatment of fecAI Incontinence using the TOPAS sling system FOR woMen (TRANSFORM). FDA protocol WC0807
14. 2010 – Principle Investigator: (\$80,000) Boston Scientific sponsored – Investigator initiated. A decision analysis study comparing cost-effectiveness of the UPHOLD procedure to robotic-assisted laparoscopic sacrocolpopexy.
15. 2010 – Principle Investigator: **(\$135,000)** CR BARD sponsored - Investigator initiated. “Prospective cohort study of Alyte™ Y-mesh for robotic sacrocolpopexy”
16. 2011 – Principal Investigator: (\$30,000) Intuitive Surgical sponsored - Investigator initiated “Validation of a robotic surgery simulator in the training of new gynecologic – robotic surgeons.”
17. 2014 – Principle Investigator: Boston Scientific sponsored FDA-mandated 522 study of trans-vaginal mesh system (Uphold) for treatment of pelvic organ prolapse.