

BIOGRAPHICAL

Name: Wendy Wunching Leng

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EDUCATION AND TRAINING

UNDERGRADUATE:

1983-1987	Harvard College Cambridge, MA	B.A., 1987	Biology
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GRADUATE:

1987-1991	Tufts University Boston, MA	M.D. 1991	Advisor: Grannum Sant MD
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POSTGRADUATE:

1991-1997	Lahey Clinic Medical Center Burlington MA	John Libertino MD Urology Residency
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1991-1993	Massachusetts General Hospital Boston, MA	Charles Ferguson MD Preliminary Surgery
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1993-1994	Massachusetts General Hospital Boston, MA	Hugh Auchincloss MD Basic science research
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1994-1997	Lahey Clinic Medical Center, Burlington MA Boston Children's Hospital New England Deaconess Hospital	
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1997-1998	University of Texas Medical Center Houston TX	Edward J. McGuire MD Clinical fellowship in Female urology and neurourology
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ACADEMIC:

1998-2001	University of California San Francisco, CA	Assistant Professor of Urology
2001-present	University of Pittsburgh	Assistant Professor of Urology

CERTIFICATE AND LICENSURE

Specialty Certification:

American Board of Urology 2001

Medical Licensure:

Massachusetts 1993 (inactive)
Texas 1997 (active)
California 1998 (active)
Pennsylvania 2001 (active)

Membership in Professional Societies:

American Urological Association 1997- present
International Continence Society 2001- present
Society for Urodynamics and Female Urology 2002-present

Honors:

United States Presidential Scholar 1983
Harvard Club of Maryland Scholarship 1984
Basic Science Research Award 1995
presented by the Urologic Society for Transplantation and Vascular Surgery at
the American Urological Association Meeting
Pfizer Scholars in Urology Award 1997

PUBLICATIONS

Refereed articles:

1. **Leng WW**, McGuire EJ, and Lytton B. Management of rectourethral fistulas secondary to cryosurgery and radiotherapy: the York Mason repair revisited. Journal of Pelvic Surgery, vol 4(1):8-12, 1998.
2. **Leng WW** and McGuire EJ. Management of female urethral diverticula: a new classification. Journal of Urology 160(4):1297-1300, Oct 1998.
3. **Leng, WW**; Amundsen, CL; McGuire, EJ. Management of female genitourinary fistulas: transvesical or transvaginal approach? Journal of Urology 160(6 Pt 1):1995-9, Dec 1998.
4. **Leng WW**, Blalock HJ, Fredriksson WH, English SF, and McGuire EJ. Enterocystoplasty or detrusor myectomy? Comparison of indications and outcomes for bladder augmentation. Journal of Urology 161(3):758-63, Mar 1999.

5. **Leng WW**, Faerber G, Del Terzo M, and McGuire EJ. Management of severe vesical dysfunction by incontinent ileovesicostomy: a review of extended 5-year outcomes. Journal of Urology 161(6):1803-6, Jun 1999.
6. Cespedes RD, **Leng WW**, and McGuire EJ. Collagen injection therapy for postprostatectomy incontinence. Urology 54:597-602, 1999.
7. **Leng, WW**; McGuire, EJ. Reconstructive surgery for urinary incontinence. Urologic Clinics of North America, 1999 Feb, 26(1):61-80, viii.
8. Austin PF, Westney OL, **Leng WW**, McGuire EJ, Ritchey ML. Advantages of rectus fascial slings for urinary incontinence in children with neuropathic bladders. J Urology 1656 (6 pt 2):2369, Jun 2001.
9. Resplande J, Gholami SS, Graziottin TM, Rogers R, Lin CS, **Leng WW**, and Lue T. Long-term effect of ovariectomy and simulated birth trauma on the lower urinary tract of female rats. J Urology 168:323-330, July 2002.
10. **Leng WW** and McGuire EJ. Obstructive Uropathy Induced Bladder Dysfunction Can Be Reversible: Bladder Compliance Measures Before and After Treatment. J Urology 169:563-566, Feb 2003.
11. **Leng WW** and Chancellor MB. Recognition and Treatment of Bladder Outlet Obstruction after Sling Surgery. Reviews in Urology.6:29-33, 2004.
12. Borello-France D, **Leng WW**, O'Leary M, Xavier M, Erickson J, Chancellor MB, and Cannon TW. Bladder and sexual function among women with multiple sclerosis. Multiple Sclerosis 10:455-461, 2004.
13. **Leng WW**, Davies BJ, Sweeney D, Chancellor MB. Delayed recognition and treatment of bladder outlet obstruction after sling surgery: association with irreversible bladder dysfunction. J Urology 172:1379-1381, Oct 2004.
14. **Leng WW** and Chancellor MB. When to consider urethrolisis after sling surgery. Current Urology Reports 5: 241-242, 2004.
15. **Leng WW** and Chancellor MB. How sacral nerve stimulation neuromodulation works. Urologic Clinics of North America 32:11-18, 2005.
16. Sweeney DD and **Leng WW**. Treatment of postoperative voiding dysfunction following incontinence surgery. Current Urology Reports 6(5):365-70, 2005.
17. Patel AS, O'Leary ML, Stein RJ, **Leng WW**, Chancellor MB, Patel SG, Borello-France D. The relationship between overactive bladder and sexual activity in women. International Braz J Urol 32(1):77-87, 2006.
18. **Leng WW** and Morrisroe S. Sacral nerve stimulation for the Overactive Bladder. Urologic Clinics of North America, 2006, in press.

Reviews, invited publications

1. **Leng WW** and McGuire EJ. Stress urinary incontinence in women: can the pubovaginal sling do it all? AUA News, October 1997, p 1.
2. Westney OL, **Leng WW**, and McGuire EJ. Urethral diverticulum: a new classification. AUA News, Sept/Oct 1998.

3. McGuire EJ and **Leng WW**. Leak point pressures. In: Female Urology and Urogynecology, Cardozo L and Staskin D., eds., Isis Medical Media, Oxford, England, p 228-237, 2001.
4. **Leng WW**, Cespedes RD, and McGuire EJ. "Collagen Therapy in Post-Prostatectomy Incontinence." In: Advanced Therapy of Prostatic Disease, Resnick MI and Thompson IM, eds., BC Decker Inc, Hamilton, Ontario, Canada, in press.
5. **Leng WW**. Invited editorial commentary regarding: Daneshgari, F; Zimmern, PE; Jacomides, L. Magnetic resonance imaging detection of symptomatic noncommunicating intraurethral wall diverticula in women. Journal of Urology, 161(4):1259-61; discussion 1261-2, Apr 1999.
6. **Leng WW** and McGuire EJ. Careful assessment of female urethral diverticula guides repair. Contemporary Urology 7:39-44, July 2000.
7. Koppie TK and **Leng WW**. "Management of bladder and Bowel Disorders After Treatment." In: Prostate Cancer: ACS Atlas of Clinical Oncology Series, ed. PR Carroll, American Cancer Society and BC Decker, Inc., p 361-380, 2002.
8. **Leng WW** and Chancellor MB. Comparison of incontinence risk after radical prostatectomy versus hysterectomy. Reviews in Urology 3(3):156-9, summer 2001.
9. Westney OL, **Leng WW**, and McGuire EJ. The diagnosis and treatment of the female urethral diverticulum. AUA Updates 20:290-5.
10. Chancellor MB and **Leng WW**. "The mechanism of action of sacral nerve stimulation in the treatment of detrusor overactivity and urinary retention." In: New Perspectives in Sacral Nerve Stimulation, ed. U Jonas & V Grunewald, Martin Dunitz Ltd, London, 2002, p 17-28.
11. Cannon T, **Leng WW**, and Chancellor MB. "Case scenario: 72 year old woman with urinary hesitancy and pelvic pain," Reviews in Urology 4(4):188, 2002.
12. **Leng WW** and Chancellor MB. Urethrolysis. INFORMED, in press.
13. Gibbons E and **Leng WW**. "Evaluation and Management of Urethral Diverticulae," In: Female Urology and Voiding Dysfunction, eds. Goldman HB and Vasavada SP, Humana Press, Totowa NJ, in press.

PROFESSIONAL ACTIVITIES

TEACHING:

- [1998-2001] UCSF medical student lecture series for third-year surgical rotations. Monthly hour-long lecture on topic of "Voiding physiology and incontinence"
- [1998-2001] Daily supervision and instruction of urology residents in clinical practice
- [2001-present] University of Pittsburgh medical student lecture series for third-year surgical rotations. Rotating topics "UTIs" and "Physiology of voiding function"
- [2001-present] mentoring of urology residents with clinical didactics and clinical research writing projects
- [2001-present] Mentorship of Neurourology Fellows
- [2003-present] Mentorship of Female Pelvic Medicine Fellows

CME Activities:

- San Jose Medical Center, San Jose, CA, September 3, 1998
Invited Guest Speaker, Continuing Medical Education Series.
“Female Urethral Syndrome.”
- Dept of Obstetrics-Gynecology Grand Rounds, California Pacific Medical Center,
San Francisco CA, November 10, 1998.
Invited Guest Speaker,
“Female Stress Urinary Incontinence: Can the Pubovaginal Sling Do It All?”
- Dept of Urology Grand Rounds, UCSF, San Francisco, November 11, 1998.
Faculty Speaker,
“Female Stress Urinary Incontinence: Can the Pubovaginal Sling Do It All?”
- UCSF Clinical Conference Lecture Series.
Dominican Hospital of Santa Cruz, CA; May 21, 1999.
Invited faculty speaker, “Genitourinary Infectious Diseases.”
- UCSF Dept of Obstetrics & Gynecology Postgraduate Seminar,
San Francisco CA, November 5, 1999.
Invited guest speaker, “Hematuria: When to Consult?”
- AAMC Junior Women Faculty Seminar
Reston VA, April 1-4, 2000.
Invited attendee. Sponsored by the Dean for Women and Minority Affairs.
- UCSF Medicine House Staff Lecture
SF-VAMC, May 31, 2000.
Invited faculty speaker on “Diagnosis and Management of Urinary Incontinence”

Seminars and invited lectureships:

- UCSF Annual Advanced Seminar in Urologic Surgery. Practical Issues in Human
Sexuality and Erectile Dysfunction,
Invited Faculty Speaker, “Female Sexual Function and Dysfunction.”
Ritz-Carlton Hotel, San Francisco CA
December 11-12, 1998.
- BARD Corporation Urological Division.
Invited Guest Speaker, “Female Pelvic Anatomy.”
Annual Sales Meeting, Squaw Valley, CA,
January 19-20, 1999
- Medtronic Training Course
Invited Attendee, “Sacral Nerve Stimulator/Implant Training Course”
Memphis TN
January 21-23, 1999
- CAPSURE Meeting,
Invited Guest Speaker, leading workshop on “Female Sexual Function and Dysfunction.”
Los Cabos, Mexico
February 18-21, 1999
- American Urological Association (AUA) National Meeting
Poster presentation “Long-term followup of the incontinent ileovesicostomy”

Dallas TX
May 1999

- BARD Corporation Urological Division. Regional Sales Meeting,
Santa Monica CA, June 25, 1999;
Invited expert panelist “Female Incontinence Session”
- The 2nd Overactive Bladder Consensus Meeting: “Overactive Bladder and its Treatments”
Invited attendee.
London England
July 3-4, 1999.
- International Continence Society Meeting,.
Epidemiology and Clinical Trials Workshop.
Invited speaker, “Urge Incontinence”
Denver CO,
August 22-25, 1999
- Western Section American Urological Association (AUA) Meeting,
Invited Guest Speaker, “Female Urinary Incontinence and Pelvic Anatomy.”
Monterey CA,
September 26-30, 1999.
- Journal of Urology Peer Review Seminar,
Invited consultant
Houston TX,
November 5-7, 1999.
- Pharmacia Overactive Bladder Speaker Training Meeting
Invited attendee
Phoenix AZ
January 28-30, 2000
- AAMC Junior Women Faculty Seminar
Invited attendee sponsored by the Dean for Women and Minority affairs
Reston VA
April 1-4, 2000
- Joint Meeting of the North American Spine Society and Japan Spine Research Society
Waikoloa, Hawaii, July 22-29, 2000.
Invited faculty speaker, “Favorable long-term outcomes of incontinent ileovesicostomy
creation for end-stage neurogenic voiding dysfunction.”
- Western Section American Urological Association, Palm Desert CA Nov 2000
 - Podium presentation "Male LUTS:
 - Co-moderator, session on Incontinence and Voiding Dysfunction
 - Invited faculty member, Expert panel on Overactive Bladder case studies
 - Podium presentation "New technique of urethrololysis"
- UCSF Postgraduate course on Laparoscopic Urologic Surgery
Invited panel member “Female Pelvic Surgery”
Hotel Nikko, San Francisco CA
February 3, 2001
- American Lithotripsy Society/Urologic Society of America
Invited speaker and board member

- “Guidelines for female urodynamics evaluation”
Charleston SC,
March 8-10, 2001
- Pharmacia-sponsored Roundtable dinner discussion with Primary Care Providers
Invited guest speaker
“Urinary incontinence evaluation and treatments”
Pittsburgh PA
April 17, 2002
 - Pharmacia Upjohn district sales meeting
Invited speaker
“Discussion of ACET trial results”
Pittsburgh PA,
May 20, 2002
 - AUA National Meeting
Society for Urodynamics and Female Urology
Poster Session Presenter
“Bladder Compliance Changes with Obstructive Uropathy”
Orlando FL
May 25, 2002
 - AUA National Meeting
Poster Session Presenter
“Bladder compliance changes with pharmacotherapy”
Orlando FL
May 27, 2002
 - AUA National Meeting/ Society for Urodynamics and Female Urology
Invited speaker
“Evidence for compliance changes with BPH obstructive uropathy”
Chicago IL
April 26, 2003
 - Society for Urodynamics and Female Urology
Invited moderator,
Podium Session
Freeport, Bahamas
February 24, 2006
 - U.S. Food and Drug Administration, Center for Drug Evaluation and Research (CDER)
Invited lecturer,
Women’s Health Update Educational Series
“Update on Female Urinary Incontinence”
FDA Headquarters, Silver Spring, MD
June 16, 2006
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**RESEARCH
(Current Grant Support):**

- **Translating Science into Innovative Urologic Therapies**

- **K23 Career Development Award**

Principal Investigator: Wendy W Leng M.D. 75%
Mentor: Michael B. Chancellor M.D. no salary support
Agency: NIH/NIDDK
Type K23 \$100,000 (grant awarded but funding release pending)

To capitalize upon the promise of new biotechnologies in the fields of neurourology and female urology, the next generation academic urologist must be equipped with the advanced skills to work effectively with a network of basic scientists, biostatisticians, and epidemiologists. This career training award strives to cultivate the PI into a translational researcher.

The objectives of this grant are to: 1) undertake a clinical research training curriculum, and 2) develop practical scientific and management skills pertinent to conducting pilot studies of new treatment modalities.

- **Efficacy of Acupuncture in Treating Urinary Incontinence**

Principal Investigator: Sandra Engberg, PhD, RN, CRNP
Co-Investigator: Wendy W Leng MD 10%
Agency: NIH
Type R01 AT002175-01A1; 8/1/05-7/31/10

This study will conduct a randomized, sham placebo trial to examine the short-term effectiveness of acupuncture in reducing or eliminating mixed urinary incontinence.

Overlap: none

- **Pittsburgh Urinary Incontinence Collaborative Treatment Network**

Principal Investigator: Halina Zyczynski M.D.
Co-Principal Investigator: Wendy W Leng M.D.
Agency: NIH/NIDDK/NICHD
Type UO1: UITN Incontinence Network; 7/1/00-6/30/05 ; \$175,447

The main goal of this project is a multicenter prospective randomized trial for female stress urinary incontinence involving both urology and urogynecology at the University of Pittsburgh.

Overlap: None

- **Urologic Research Training Program for Physicians and Scientists**

Principal Investigator: Michael B. Chancellor, M.D.
Co-Investigator: Wendy W. Leng M.D.
Agency: NIH/NIDDK
Type T32DK0777741; K12DK02656-01; 3/1/99-2/28/04; \$115,109

This program training proposal is designed to train both urologic surgeons and Ph.D. postdoctoral fellows in basic science research relevant to urology. We propose to train two M.D. clinician scientists and four postdoctoral scientists over the first five years in applied basic research relating to relevant urologic diseases. Our primary goal is to help these bright young scientists bridge the transition from supervised research training to careers as independent investigators addressing important questions in urology.

Overlap: None

- **Collaborative Urologic Research in Spinal Cord Injury**

Principal Investigator: Michael B. Chancellor, M.D.

Co-Investigator: Wendy W. Leng M.D.

Agency: NICHD

Type PO1 HD39768; 7/1/01-6/30/2006; \$825,676

The main goal of this proposed program project is to look at bladder dysfunction after spinal cord injury.

Overlap: None

(Prior Grant Support):

Pittsburgh Collaborative Reconstruction Pelvic Surgery Program

Principal Investigator: Halina Zyczynski M.D.

Co-Principal Investigator: Wendy W Leng M.D. 7%

Agency: NIH/NICHD

Type UO1 HD41263; 9/1/01-6/30/06 \$177,907

The Pelvic Floor Disorders Network (PFDN) is designed to conduct multicenter studies to improve the management (diagnosis and treatment) of female pelvic floor disorders. Major aims include identifying the most effective management strategies to reduce the recurrence of pelvic floor disorders after treatment, and evaluating diagnostic and treatment interventions for efficacy, safety and cost-effectiveness.

Overlap: None

SERVICE:

University

- Committee member, 1998-2001
Urology residency applicants screening
- Committee member, March 1999
Ad hoc committee to create a comprehensive Women's Health Center at UCSF-Mt Zion
Chairs: Nancy Milliken MD and Ernie Ring MD
- Co-Director, 1999-2001
Women's Continence Center monthly work-in-progress meetings;
Developed proposal for clinical multi-disciplinary pelvic floor diagnostic center at UCSF-Mt Zion;
Supervised creation of website for Women's Continence Center
- Committee member, 2000-2001
UCSF Operating Room Efficiency Task Force
Faculty speaker, "The Cutting Edge: Surgical Treatment Options."
- Invited Guest Speaker,
UCSF Women Medical Students Association,
"Women in Urology: the Revolution of the 1990s"

November 9, 1998

- UCSF Medicine House Staff Lecture Series
Invited faculty speaker, "Diagnosis and Management of Urinary Incontinence"
San Francisco Veterans Administration Medical Center
May 31, 2000

Community

- Elected to Professional Advisory Committee (1999-2001),
Northern California chapter of the National Multiple Sclerosis Society.
Participation in quarterly progress reports and community outreach programs
- UCSF Public Service Programs.
Invited faculty speaker, "Urinary Incontinence: You are not alone."
UCSF Parnassus campus
March 10, 1999.
- Faculty speaker, UCSF Patient Forum,
"Mind Over Bladder: Understanding Female Urinary Incontinence."
UCSF Parnassus campus
November 13, 1999.
- Invited guest speaker for Community Outreach Seminar.
National Multiple Sclerosis Society
"Neurogenic bladder dysfunctions"
Napa, CA,
May 20, 2000.
- Guest speaker, UCSF Public Relations Series
"Urinary Incontinence: You are not alone"
Smith Ranch Retirement Community, San Rafael CA
October 27, 2000
- Faculty speaker,
UCSF Women's Continence Center Patient Symposium
"The Cutting Edge: Surgical Treatment Options"
San Francisco, CA
November 11, 2000
- Guest speaker,
UPMC Public Relations Lecture Series
"Urinary Incontinence: You are not alone"
OASIS senior community center
Pittsburgh PA
November 7, 2001
- Faculty guest speaker,
UPMC outreach Bladder Health Symposium
"Urinary Incontinence: You are not alone"
Kaufmann Dept Store auditorium
Pittsburgh PA
June 11, 2002
- Faculty guest speaker,
Magee Outreach Lecture Series

“Urinary incontinence”
Magee Auditorium
Pittsburgh PA
February 19, 2003

- ◆ Guest speaker,
Mercy Hospital OB-Gyn and Family Practice Grand Rounds
“Treating the Overactive Bladder: Pills and More”
Mercy Hospital
Pittsburgh PA
November 3, 2004
- ◆ Faculty guest speaker,
Urology Nursing Society 2005 Meeting
“The Overactive Bladder”
Radisson Hotel Green Tree
Pittsburgh PA
May 13, 2005