



Craig V. Comiter

Professor of Urology and, by courtesy, of Obstetrics and Gynecology at the Stanford University Medical Center

 NIH Biosketch available Online

CLINICAL OFFICES

- **Urology Clinic**

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Bio

BIO

Dr. Craig Comiter specializes in the treatment of women with pelvic organ prolapse and complications from mesh surgery, and in the treatment of women and men with urinary problems including urinary incontinence, benign prostatic hyperplasia, overactive bladder, urinary retention, and neurologic problems involving the bladder. He has practiced neurourology for more than 18 years. He has been the Principal Investigator on numerous clinical trials regarding the treatment of male and female urinary incontinence, overactive bladder, neurogenic bladder, and interstitial cystitis. He is the Clinic Chief for Urologic Specialties, and the Director of the Stanford Program in Female Pelvic Medicine and Reconstructive Surgery. He has served on the Board of Directors for the Society for Urodynamics and Female Urology, and has had leadership roles in the Western Sectional and National American Urological Association.

CLINICAL FOCUS

- Urology
- female urology
- pelvic prolapse
- Benign Prostatic Hyperplasia
- Urinary Incontinence
- post-prostatectomy incontinence
- neuromodulation
- neurogenic bladder
- complications of mesh surgery
- urinary fistulae

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Urology
- Professor - Med Center Line (By courtesy), Obstetrics & Gynecology

ADMINISTRATIVE APPOINTMENTS

- Senator, Stanford University Faculty Senate, (2008-2011)
- Officer, Stanford Hospital Quality Committee, (2008-2011)
- Member, Stanford Leadership Development Program, (2008-2009)
- Vice Chair, PPEC Dept of Surgery, (2010-2012)

HONORS AND AWARDS

- First Prize, Joseph F. McCarthy Essay Contest, Western Section American Urological Association (2001)
- First Prize, Joseph F. McCarthy Essay Contest, Western Section American Urological Association (2006)
- Third Prize, Joseph F. McCarthy Essay Contest, Western Section American Urological Association (1999)
- Outstanding Reviewer of the Year, Honorable Mention, Journal of Urology (2007)
- Faculty Teaching Award, Department of Obstetrics and Gynecology, University of Arizona (2002)
- Faculty Teaching Award, Section of Urology, University of Arizona (2002)
- Faculty Teaching Award, Section of Urology, University of Arizona (2008)
- Second Prize, Best of the Session, Western Section American Urological Association (2006)
- Best Poster, Western Section American Urological Association (2002)
- Top Ten Reviewer, Neurourology and Urodynamics (2007)
- First Prize, Best of the Session, Western Section American Urological Association (2007)
- Second Prize, Best Poster, Western Section American Urological Association (2007)

PROFESSIONAL EDUCATION

- Board Certification: Female Pelvic Medicine and Reconstructive Surgery, American Board of Urology (2013)
- Fellowship: University of California Los Angeles (1999) CA
- Residency: Brigham and Women's Hospital Harvard Medical School (1994) MA
- Residency: Harvard Program in Urology (1998) MA
- Board Certification: Urology, American Board of Urology (2001)
- Medical Education: Harvard Medical School (1992) MA
- M.D., Harvard Medical School, Medicine (1992)
- A.B., Harvard College, Biology (1988)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Using various animal models of bladder outlet obstruction as a representation of human prostatic disease, I am investigating how intervening with pharmacotherapy, neuromodulation, and other novel therapies may help to reverse the adverse changes in the bladder due to the obstruction.

I also am investigating new, minimally invasive treatments for post-prostatectomy urinary incontinence.

I am also investigating the role of neuromodulation in the treatment of chronic pelvic pain and IC.

CLINICAL TRIALS

- Male Stress Urinary Incontinence and Sexual Health, Not Recruiting

- Virtue® Male Incontinence Sling Study, Not Recruiting
- Virtue® Male Sling Fixation Study, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Raveen Syan

Postdoctoral Research Mentor

Raveen Syan

Publications

PUBLICATIONS

- **Comparison of Adjuvant Radiation Therapy Before or After Artificial Urinary Sphincter Placement: A Multi-Institutional, Retrospective Analysis** *UROLOGY*
Comiter, C. V.
2018; 113: 164
- **Volitional Voiding of the Bladder following Spinal Cord Injury: Validation of Bilateral Lower Extremity Motor Function as a Key Predictor.** *The Journal of urology*
Elliott, C. S., Dallas, K. B., Zlatev, D., Comiter, C. V., Crew, J., Shem, K.
2018
- **VOLITIONAL VOIDING OF THE BLADDER AFTER SPINAL CORD INJURY: VALIDATION OF BILATERAL LOWER EXTREMITY MOTOR FUNCTION AS A KEY PREDICTOR**
Elliott, C., Dallas, K., Zlatev, D., Comiter, C., Crew, J., Shem, K.
WILEY.2018: S574–S575
- **SACRAL NEUROMODULATION TINED LEAD INFECTION RATE AT 5 YEARS POST-IMPLANT**
Siegel, S., Bennett, J., Mangel, J., Comiter, C., Zylstra, S., Griebbling, T. L., Bird, E. T., Sutherland, S. E., Kan, F., Berg, K.
WILEY.2018: S647–S648
- **Five-Year Followup Results of a Prospective, Multicenter Study of Patients with Overactive Bladder Treated with Sacral Neuromodulation** *JOURNAL OF UROLOGY*
Siegel, S., Noblett, K., Mangel, J., Bennett, J., Griebbling, T. L., Sutherland, S. E., Bird, E. T., Comiter, C., Culkun, D., Zylstra, S., Kan, F., Berg, K.
2018; 199 (1): 229–36
- **A Systematic Approach to the Evaluation and Management of the Failed Artificial Urinary Sphincter.** *Current urology reports*
Dobberfuhr, A. D., Comiter, C. V.
2017; 18 (3): 18-?
- **Three-year Follow-up Results of a Prospective, Multicenter Study in Overactive Bladder Subjects Treated With Sacral Neuromodulation.** *Urology*
Siegel, S., Noblett, K., Mangel, J., Griebbling, T. L., Sutherland, S. E., Bird, E. T., Comiter, C., Culkun, D., Bennett, J., Zylstra, S., Kan, F., Thiery, E.
2016; 94: 57-63
- **Results of a prospective, multicenter study evaluating quality of life, safety, and efficacy of sacral neuromodulation at twelve months in subjects with symptoms of overactive bladder** *NEUROUROLOGY AND URODYNAMICS*
Noblett, K., Siegel, S., Mangel, J., Griebbling, T. L., Sutherland, S. E., Bird, E. T., Comiter, C., Culkun, D., Bennett, J., Zylstra, S., Kan, F., Berg, K. C.
2016; 35 (2): 246-251
- **Chronic Sacral Nerve Stimulation as a Novel Treatment for Stress Urinary Incontinence-A Rat Model** *NEUROUROLOGY AND URODYNAMICS*
Richardson, M. L., Balise, R. R., Comiter, C. V.
2015; 34 (3): 270-273

- **Results of a Prospective, Randomized, Multicenter Study Evaluating Sacral Neuromodulation With InterStim Therapy Compared to Standard Medical Therapy at 6-Months in Subjects With Mild Symptoms of Overactive Bladder** *NEUROUROLOGY AND URODYNAMICS*
Siegel, S., Noblett, K., Mangel, J., Griebing, T. L., Sutherland, S. E., Bird, E. T., Comiter, C., Culkin, D., Bennett, J., Zylstra, S., Berg, K. C., Kan, F., Irwin, et al
2015; 34 (3): 224-230
- **Surgery for postprostatectomy incontinence: which procedure for which patient?** *NATURE REVIEWS UROLOGY*
Comiter, C.
2015; 12 (2): 91-99
- **The Effect of Angiotensin Inhibition on Urinary Incontinence: Data From the National Health and Nutrition Examination Survey (2001-2008)** *NEUROUROLOGY AND URODYNAMICS*
Elliott, C. S., Comiter, C. V.
2014; 33 (8): 1178-1181
- **The Virtue Sling-A New Quadratic Sling for Postprostatectomy Incontinence-Results of a Multinational Clinical Trial** *UROLOGY*
Comiter, C. V., Rhee, E. Y., Tu, L., Herschorn, S., Nitti, V. W.
2014; 84 (2): 433-438
- **Improving the accuracy of prolapse and incontinence procedure epidemiology by utilizing both inpatient and outpatient data** *INTERNATIONAL UROGYNECOLOGY JOURNAL*
Elliott, C. S., Rhoads, K. F., Comiter, C. V., Chen, B., Sokol, E. R.
2013; 24 (11): 1939-1946
- **To sling or not to sling at time of abdominal sacrocolpopexy: a cost-effectiveness analysis.** *journal of urology*
Richardson, M. L., Elliott, C. S., Shaw, J. G., Comiter, C. V., Chen, B., Sokol, E. R.
2013; 190 (4): 1306-1312
- **Labioplasty for hypertrophic labia minora contributing to recurrent urinary tract infections.** *Female pelvic medicine & reconstructive surgery*
Wu, J. A., Braschi, E. J., Gulminelli, P. L., Comiter, C. V.
2013; 19 (2): 121-123
- **Labioplasty for Hypertrophic Labia Minora Contributing to Recurrent Urinary Tract Infections** *FEMALE PELVIC MEDICINE AND RECONSTRUCTIVE SURGERY*
Wu, J. A., Braschi, E. J., Gulminelli, P. L., Comiter, C. V.
2013; 19 (2): 121-123
- **VAGINAL FLAP URETHROPLASTY FOR FEMALE URETHRAL STRICTURE DISEASE - THE STANFORD EXPERIENCE** *Winter Meeting of the Society-for-Urodynamics-and-Female-Urology (SUFU)*
Jura, Y., Elliott, C., Comiter, C., Payne, C.
WILEY-BLACKWELL.2013: 175-75
- **ACUTE SACRAL NERVE STIMULATION AS A NOVEL TREATMENT FOR STRESS URINARY INCONTINENCE - A RAT MODEL** *Winter Meeting of the Society-for-Urodynamics-and-Female-Urology (SUFU)*
Richardson, M., Comiter, C.
WILEY-BLACKWELL.2013: 154-54
- **Measuring bladder strength: Letter.** *Canadian Urological Association journal = Journal de l'Association des urologues du Canada*
Elliott, C. S., Comiter, C. V.
2013; 7 (1-2): 18-?
- **The Predictive Value of a Cystocele for Concomitant Vaginal Apical Prolapse** *JOURNAL OF UROLOGY*
Elliott, C. S., Yeh, J., Comiter, C. V., Chen, B., Sokol, E. R.
2013; 189 (1): 200-203
- **Maximum Isometric Detrusor Pressure to Measure Bladder Strength in Men With Postprostatectomy Incontinence** *UROLOGY*
Elliott, C. S., Comiter, C. V.
2012; 80 (5): 1111-1115
- **Editorial Comment to Bone-anchored sling using the Mini Quick Anchor Plus and polypropylene mesh to treat post-radical prostatectomy incontinence: Early experience** *INTERNATIONAL JOURNAL OF UROLOGY*
Comiter, C. V.

2012; 19 (10): 960-961

- **Angiotensin II type 1 (AT-1) receptor inhibition partially prevents the urodynamic and detrusor changes associated with bladder outlet obstruction: a mouse model** *BJU INTERNATIONAL*
Comiter, C., Phull, H. S.
2012; 109 (12): 1841-1846
- **A New Quadratic Sling for Male Stress Incontinence: Retrograde Leak Point Pressure as a Measure of Urethral Resistance** *JOURNAL OF UROLOGY*
Comiter, C. V., Nitti, V., Elliot, C., Rhee, E.
2012; 187 (2): 563-568
- **Robot-Assisted Versus Open Sacrocolpopexy: A Cost-Minimization Analysis** *JOURNAL OF UROLOGY*
Elliott, C. S., Hsieh, M. H., Sokol, E. R., Comiter, C. V., Payne, C. K., Chen, B.
2012; 187 (2): 638-643
- **Local renin-angiotensin systems in the genitourinary tract** *NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY*
Comiter, C.
2012; 385 (1): 13-26
- **Sacral Nerve Stimulator Revision Due to Somatic Growth** *JOURNAL OF UROLOGY*
Clark, C., Tin Ngo, T., Comiter, C. V., Anderson, R., Kennedy, W.
2011; 186 (4): 1576-1580
- **Male incontinence surgery in the 21st century: past, present, and future** *CURRENT OPINION IN UROLOGY*
Comiter, C. V.
2010; 20 (4): 302-308
- **Editorial comment.** *Urology*
Comiter, C. V.
2010; 75 (3): 532-533
- **Editorial comment.** *Urology*
Comiter, C. V.
2010; 75 (2): 436-437
- **Chronic Sacral Nerve Stimulation Prevents Detrusor Structural and Functional Changes Associated with Bladder Outlet Obstruction-A Rat Model** *NEUROUROLOGY AND URODYNAMICS*
Comiter, C. V., Mazar, C., Phull, H., Salkini, M.
2010; 29 (5): 783-788
- **Surgical Treatment of Stress Incontinence in Men** *NEUROUROLOGY AND URODYNAMICS*
Herschorn, S., Bruschini, H., Comiter, C., Grise, P., Hanus, T., Kirschner-Hermanns, R., Abrams, P.
2010; 29 (1): 179-190
- **The effect of sildenafil citrate on bladder outlet obstruction: a mouse model** *BJU INTERNATIONAL*
Beamon, C. R., Mazar, C., Salkini, M. W., Phull, H. S., Comiter, C. V.
2009; 104 (2): 252-256
- **Editorial comment. The management of postprostatectomy stress urinary incontinence.** *Urology*
Comiter, C. V.
2009; 73 (6): 1368-?
- **Cross-Linked Polydimethylsiloxane Injection for Female Stress Urinary Incontinence: Results of a Multicenter, Randomized, Controlled, Single-Blind Study** *JOURNAL OF UROLOGY*
Ghoniem, G., Corcos, J., Comiter, C., Bernhard, P., Westney, O. L., Herschorn, S.
2009; 181 (1): 204-210
- **Sacral nerve stimulation to treat nonobstructive urinary retention in women.** *Current urology reports*
Comiter, C. V.
2008; 9 (5): 405-411

- **Category III chronic prostatitis/chronic pelvic pain syndrome: insights from the National Institutes of Health Chronic Prostatitis Collaborative Research Network studies.** *Current urology reports*
Nickel, J. C., Alexander, R. B., Anderson, R., Berger, R., Comiter, C. V., Datta, N. S., Fowler, J. E., Krieger, J. N., Landis, J. R., Litwin, M. S., McNaughton-Collins, M., O'Leary, M. P., Pontari, et al
2008; 9 (4): 320-327
- **The 'ventral urethral elevation plus' sling: a novel approach to treating stress urinary incontinence in men** *BJU INTERNATIONAL*
Comiter, C. V., Rhee, E. Y.
2008; 101 (2): 187-191
- **Surgery Insight: surgical management of postprostatectomy incontinence - the artificial urinary sphincter and male sling** *NATURE CLINICAL PRACTICE UROLOGY*
Comiter, C. V.
2007; 4 (11): 615-624
- **Angiotensin II plays a role in acute murine experimental autoimmune cystitis** *BJU INTERNATIONAL*
Phull, H., Salkini, M., Purves, T., Funk, J., Copeland, D., Comiter, C. V.
2007; 100 (3): 664-667
- **The role of angiotensin II in stress urinary incontinence: A rat model** *NEUROUROLOGY AND URODYNAMICS*
Phull, H., Salkini, M., Escobar, C., Purves, T., Comiter, C. V.
2007; 26 (1): 81-88
- **Surgery Insight: Management of failed sling surgery for female stress urinary incontinence** *NATURE CLINICAL PRACTICE UROLOGY*
Comiter, C. V.
2006; 3 (12): 666-674
- **Highlights from the combined Society of Urodynamics and Female Urology and International Society of Pelvic Neuromodulation Annual Meeting** *JOURNAL OF UROLOGY*
Lemack, G. E., Siegel, S., Comiter, C., Damaser, M., Kobashi, K., Payne, C., Rodriguez, L., Wright, E. J.
2006; 175 (5): 1852-1856
- **The male perineal sling - a viable alternative to the artificial urinary sphincter** *NATURE CLINICAL PRACTICE UROLOGY*
Comiter, C. V.
2006; 3 (3): 118-119
- **Complications of transvaginal silicone-coated polyester synthetic mesh sling** *UROLOGY*
Govier, F. E., Kobashi, K. C., Kuznetsov, D. D., Comiter, C., Jones, P., Dakil, S. E., James, R.
2005; 66 (4): 741-745
- **The male perineal sling: Intermediate-term results** *NEUROUROLOGY AND URODYNAMICS*
Comiter, C. V.
2005; 24 (7): 648-653
- **Ciprofloxacin or tamsulosin in men with chronic prostatitis/chronic pelvic pain syndrome - A randomized, double-blind trial** *ANNALS OF INTERNAL MEDICINE*
Alexander, R. B., PROPERT, K. J., Schaeffer, A. J., Landis, J. R., Nickel, J. C., O'Leary, M. P., Pontari, M. A., McNaughton-Collins, M., Shoskes, D. A., Comiter, C. V., Datta, N. S., Fowler, J. E., Nadler, et al
2004; 141 (8): 581-589
- **Impact of post-ejaculatory pain in men with category III Chronic prostatitis/chronic pelvic pain syndrome** *JOURNAL OF UROLOGY*
Shoskes, D. A., Landis, J. R., Wang, Y. L., Nickel, J. C., Zeitlin, S. I., Nadler, R., O'Leary, M. P., Rhodes, D., Williams, C., Collins, M. M., Barry, M. J., Pontari, M. A., Ruggieri, et al
2004; 172 (2): 542-547
- **The male sling for stress urinary incontinence: 24-month followup with questionnaire based assessment** *JOURNAL OF UROLOGY*
Ullrich, N. F., Comiter, C. V.
2004; 172 (1): 207-209
- **The male sling for stress urinary incontinence: Urodynamic and subjective assessment** *JOURNAL OF UROLOGY*
Ullrich, N. F., Comiter, C. V.

2004; 172 (1): 204-206

- **Incisionless pubovaginal fascial sling using transvaginal bone anchors for the treatment of stress urinary incontinence.** *TheScientificWorldJournal*
Vasavada, S. P., Comiter, C. V., Raz, S.
2004; 4: 357-363
- **High rate of vaginal extrusion of silicone-coated polyester sling** *UROLOGY*
Comiter, C. V., Colegrove, P. M.
2004; 63 (6): 1066-1070
- **Correlation among maximal urethral closure pressure, retrograde leak point pressure, and abdominal leak point pressure in men with postprostatectomy stress incontinence** *UROLOGY*
Comiter, C. V., Sullivan, M. P., Yalla, S. V.
2003; 62 (1): 75-78
- **Sacral neuromodulation for the symptomatic treatment of refractory interstitial cystitis: A prospective study** *JOURNAL OF UROLOGY*
Comiter, C. V.
2003; 169 (4): 1369-1373
- **Endometriosis of the urinary tract** *UROLOGIC CLINICS OF NORTH AMERICA*
Comiter, C. V.
2002; 29 (3): 625-?
- **The male sling for stress urinary incontinence: A prospective study** *JOURNAL OF UROLOGY*
Comiter, C. V.
2002; 167 (2): 597-601
- **Repair of enterocele and vault prolapse: transvaginal culdosuspension.** *Techniques in urology*
Comiter, C. V.
2001; 7 (2): 146-151
- **Use of dynamic MRT in the diagnosis of pelvic prolapse and pelvic floor insufficiency** *AKTUELLE UROLOGIE*
Comiter, C. V., Vasavada, S. P., Barbaric, Z. L., Rat, S.
2000; 31 (5): 294-301
- **Cystoscopic light test to aid in the differentiation of high-grade pelvic organ prolapse** *UROLOGY*
Vasavada, S. P., Comiter, C. V., Raz, S.
1999; 54 (6): 1085-1087
- **Transvaginal culdosuspension: Technique and results** *UROLOGY*
Comiter, C. V., Vasavada, S. P., Raz, S.
1999; 54 (5): 819-822
- **Grading pelvic prolapse and pelvic floor relaxation using dynamic magnetic resonance imaging** *UROLOGY*
Comiter, C. V., Vasavada, S. P., Barbaric, Z. L., Gousse, A. E., Raz, S.
1999; 54 (3): 454-457
- **New technique for antegrade collagen injection for post-radical prostatectomy stress urinary incontinence** *UROLOGY*
Loughlin, K. R., Comiter, C. V.
1999; 53 (2): 410-411
- **Effusion cytology of renal cell carcinoma** *CANCER CYTOPATHOLOGY*
Renshaw, A. A., Comiter, C. V., Nappi, D., Granter, S. R.
1998; 84 (3): 148-152
- **Prognostic features of teratomas with malignant transformation: A clinicopathological study of 21 cases** *JOURNAL OF UROLOGY*
Comiter, C. V., Kibel, A. S., Richie, J. P., Nucci, M. R., Renshaw, A. A.
1998; 159 (3): 859-863
- **Effect of angiotensin II on corpus cavernosum smooth muscle in relation to nitric oxide environment: in vitro studies in canines** *INTERNATIONAL JOURNAL OF IMPOTENCE RESEARCH*

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- Comiter, C. V., Sullivan, M. P., Yalla, S. V., Kifor, I.
1997; 9 (3): 135-140
- **Urodynamic risk factors for renal dysfunction in men with obstructive and nonobstructive voiding dysfunction** *JOURNAL OF UROLOGY*
Comiter, C. V., Sullivan, M. P., Schacterle, R. S., Cohen, L. H., Yalla, S. V.
1997; 158 (1): 181-185
 - **Retrograde leak point pressure for evaluating postradical prostatectomy incontinence** *UROLOGY*
Comiter, C. V., Sullivan, M. P., Yalla, S. V.
1997; 49 (2): 231-236
 - **Prediction of prostatic obstruction with a combination of isometric detrusor contraction pressure and maximum urinary flow rate** *UROLOGY*
Comiter, C. V., Sullivan, M. P., Schacterle, R. S., Yalla, S. V.
1996; 48 (5): 723-729
 - **Burned-out primary testicular cancer: Sonographic and pathological characteristics** *JOURNAL OF UROLOGY*
Comiter, C. V., Renshaw, A. A., Benson, C. B., Loughlin, K. R.
1996; 156 (1): 85-88
 - **Micturitional urethral pressure profilometry** *UROLOGIC CLINICS OF NORTH AMERICA*
Sullivan, M. P., Comiter, C. V., Yalla, S. V.
1996; 23 (2): 263-?
 - **Fungal bezoar and bladder rupture secondary to Candida tropicalis** *UROLOGY*
Comiter, C. V., McDonald, M., Minton, J., Yalla, S. V.
1996; 47 (3): 439-441
 - **Does chronic prostatic obstruction result in impaired renal function?** *26th Annual Meeting of the International-Continence-Society*
Comiter, C., Sullivan, M., Schacterle, R., Cohen, L., Yalla, S.
MONDUZZI EDITORE.1996: 75-79
 - **DETACHED CILIARY TUFTS IN THE EPIDIDYMIS - A LESSON IN APPLIED ANATOMY** *UROLOGY*
Comiter, C. V., BRUNING, C. O., Morgentaler, A.
1995; 46 (5): 740-742
 - **NONPALPABLE INTRATESTICULAR MASSES DETECTED SONOGRAPHICALLY** *JOURNAL OF UROLOGY*
Comiter, C. V., Benson, C. J., CAPELOUTO, C. C., Kantoff, P., Shulman, L., Richie, J. P., Loughlin, K. R.
1995; 154 (4): 1367-1369
 - **GLUCOCORTICOID-REMEDIALABLE ALDOSTERONISM - A RARE HEREDITARY FORM OF ADRENOCORTICOTROPIC HORMONE-REGULATED MINERALOCORTICOID HYPERTENSION** *JOURNAL OF UROLOGY*
Comiter, C. V., CAPELOUTO, C. C., Tobin, M. S., Dluhy, R. G., Richie, J. P.
1995; 154 (2): 510-512