

# Stanford


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## Eric R. Sokol, MD

Associate Professor of Obstetrics and Gynecology (Gynecology-Urogynecology) and, by courtesy, of Urology at the Stanford University Medical Center

Obstetrics & Gynecology

 NIH Biosketch available Online

 Curriculum Vitae available Online

### CLINICAL OFFICES

- **Gynecology Clinic**

900 Blake Wilbur Dr

Palo Alto, CA 94304

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### Bio

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### BIO

My research and clinical work focuses on medical and surgical innovation, including the development and testing of novel surgical and clinical devices and methods. I am a Faculty Fellow in the Stanford Biodesign Innovation Program, and I work with and advise early stage startups in the medical and mobile health spaces.

### CLINICAL FOCUS

- Urogynecology & Pelvic Reconstructive Surgery
- Surgical Procedures, Minimally Invasive
- Robotics
- Uterine Prolapse
- Urinary Incontinence
- Urinary Incontinence, Stress
- Urinary Bladder Prolapse
- Cystocele
- Rectocele
- Enterocele
- Suburethral Slings
- Tension-Free Vaginal Tape
- Transobturator Tape
- Transobturator Suburethral Tape
- Urodynamics
- Gynecology
- Mesh, Surgical
- Cystoscopy
- Hysterectomy, Vaginal
- Rectovaginal Fistula
- Ambulatory Surgery
- Perineum
- Postoperative Complications
- Diagnostic Techniques, Urological
- Urologic Surgical Procedures
- Female Urogenital Diseases
- Fecal Incontinence
- Pelvic Floor
- Anal Sphincter
- Vesicovaginal Fistula
- Urethral Diseases
- Urethral Catheterization
- Prolapse
- Urinary Incontinence, Urge
- Obstetrics and Gynecology

### ACADEMIC APPOINTMENTS

- Associate Professor - Med Center Line, Obstetrics & Gynecology

- Associate Professor - Med Center Line (By courtesy), Urology

## HONORS AND AWARDS

- See curriculum vitae, Stanford University (2007)

## BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- See CV, See CV (2014 - present)

## PROFESSIONAL EDUCATION

- Fellowship: Warren Alpert Medical School Brown University (2005) RI
- Board Certification: Female Pelvic Medicine and Reconstructive Surgery, American Board of Obstetrics and Gynecology (2013)
- Residency: Northwestern University Feinberg School of Medicine (2002) IL
- Internship: Northwestern University Feinberg School of Medicine (1999) IL
- Board Certification: Obstetrics and Gynecology, American Board of Obstetrics and Gynecology (2005)
- Medical Education: Wayne State University School of Medicine (1998) MI
- Urogynecology, Brown University , Pelvic Reconstructive Surgery (2005)

## COMMUNITY AND INTERNATIONAL WORK

- Consultant Gynecologist for Koko, the gorilla, Woodside CA
- Volunteer at Hospital Maternidad, Dominican Republic

## PATENTS

- Eric Sokol. "United States Patent 8,414,468 Anal Sling System and Method to Treat Fecal Incontinence", Apr 9, 2013

## LINKS

- Urogynecology and Pelvic Reconstructive Surgery Clinic: <http://www.stanfordhospital.com/clinicsmedServices/clinics/urogynecology/overview>
- I am a Stanford Biodesign Faculty Fellow: <http://biodesign.stanford.edu/bdn/index.jsp>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research is focused on the development and testing of novel minimally invasive treatment modalities for complex pelvic floor disorders.

### CLINICAL TRIALS

- ACell MatriStem Pelvic Floor Matrix Versus Native Tissue Repair, Comparative Study, Recruiting
- Altis® 522 Trial - Treatment of Female Stress Urinary Incontinence, Recruiting
- Autologous Muscle Derived Cells for Female Urinary Sphincter Repair, Recruiting
- Bulking Agents for the Treatment of Stress Urinary Incontinence in Females, Recruiting
- Clinical Investigation to Assess the Safety and Efficacy of the Laser for the Treatment of Vulvovaginal Atrophy, Recruiting
- Comparison of Vaginal Laser Therapy to Vaginal Estrogen Therapy, Recruiting
- Efficacy Study of Vaginal Mesh for Anterior Prolapse, Recruiting
- Restorelle® Mesh Versus Native Tissue Repair for Prolapse, Recruiting
- Study of the Elevate Anterior and Apical Prolapse Repair System Compared to Native Tissue Repair for Pelvic Organ Prolapse, Recruiting
- Study of the Elevate Apical and Posterior Prolapse Repair System Compared to Native Tissue Repair for Pelvic Organ Prolapse, Recruiting

## Publications

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### PUBLICATIONS

- **Alternative approaches to traditional rectal prolapse repair in conjunction with vaginal prolapse surgery**  
Wallace, S. L., Sokol, E. R.  
MOSBY-ELSEVIER.2019: S753–S754
- **Patient characteristics that may influence the effect of urethral injection therapy in female stress urinary incontinence.** *The Journal of urology*  
Elmelund, M., Sokol, E. R., Karram, M. M., Dmochowski, R., Klarskov, N.  
2019: 101097JU00000000000000176
- **Surgery for Apical Vaginal Prolapse after Hysterectomy: Transvaginal Mesh-Based Repair.** *The Urologic clinics of North America*  
Wallace, S. L., Syan, R., Sokol, E. R.  
2019; 46 (1): 103–11
- **Advanced oab therapies are equally effective in untreated and treated pelvic organ prolapse patients**  
Syan, R., Wallace, S. L., Torosis, M., Sokol, E.  
WILEY.2019: S117
- **Does the Degree of Cystocele Predict De Novo Stress Urinary Incontinence After Prolapse Repair? Further Analysis of the Colpopexy and Urinary Reduction Efforts Trial** *FEMALE PELVIC MEDICINE AND RECONSTRUCTIVE SURGERY*  
Davenport, M. T., Sokol, E. R., Comiter, C. V., Elliott, C. S.  
2018; 24 (4): 292–94
- **Untitled Reply** *MENOPAUSE-THE JOURNAL OF THE NORTH AMERICAN MENOPAUSE SOCIETY*  
Sokol, E. R.  
2018; 25 (2): 243–44
- **Inappropriate oophorectomy at time of benign premenopausal hysterectomy.** *Menopause (New York, N.Y.)*  
Mahal, A. S., Rhoads, K. F., Elliott, C. S., Sokol, E. R.  
2017
- **Use of a novel fractional CO2 laser for the treatment of genitourinary syndrome of menopause: 1-year outcomes.** *Menopause (New York, N.Y.)*  
Sokol, E. R., Karram, M. M.  
2017
- **Vaginal and laparoscopic mesh hysteropexy for uterovaginal prolapse: a parallel cohort study** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*  
Gutman, R. E., Rardin, C. R., Sokol, E. R., Matthews, C., Park, A. J., Iglesia, C. B., Geoffrion, R., Sokol, A. I., Karram, M., Cundiff, G. W., Blomquist, J. L., Barber, M. D.  
2017; 216 (1)
- **An assessment of the safety and efficacy of a fractional CO2 laser system for the treatment of vulvovaginal atrophy** *MENOPAUSE-THE JOURNAL OF THE NORTH AMERICAN MENOPAUSE SOCIETY*  
Sokol, E. R., Karram, M. M.  
2016; 23 (10): 1102-1107
- **Vaginal and laparoscopic mesh hysteropexy for uterovaginal prolapse: a parallel cohort study.** *American journal of obstetrics and gynecology*  
Gutman, R. E., Rardin, C. R., Sokol, E. R., Matthews, C., Park, A. J., Iglesia, C. B., Geoffrion, R., Sokol, A. I., Karram, M., Cundiff, G. W., Blomquist, J. L., Barber, M. D.  
2016
- **Impact of the 2014 Food and Drug Administration Warnings Against Power Morcellation** *JOURNAL OF MINIMALLY INVASIVE GYNECOLOGY*  
Lum, D. A., Sokol, E. R., Berek, J. S., Schulkin, J., Chen, L., McElwain, C., Wright, J. D.  
2016; 23 (4): 548-556
- **Rates of inappropriate oophorectomy at the time of benign hysterectomy**  
Mahal, A. S., Elliott, C., Sokol, E. R.  
MOSBY-ELSEVIER.2016: S465–S466

- **Abdominal sacral colpopexy versus sacrospinous ligament fixation: a cost-effectiveness analysis.** *International urogynecology journal*  
Ohno, M. S., Richardson, M. L., Sokol, E. R.  
2016; 27 (2): 233-237
- **DOES THE DEGREE OF CYSTOCELE PREDICT DE-NOVO STRESS URINARY INCONTINENCE AFTER PROLAPSE REPAIR? FURTHER ANALYSIS OF THE CARE TRIAL**  
Davenport, M., Sokol, E., Elliott, C.  
WILEY-BLACKWELL.2016: S96
- **Management of fecal incontinence - focus on a vaginal insert for bowel control.** *Medical devices (Auckland, N.Z.)*  
Sokol, E. R.  
2016; 9: 85-91
- **Use of a novel fractional CO2 laser for the treatment of genitourinary syndrome of menopause**  
Sokol, E. R., Karram, M.  
LIPPINCOTT WILLIAMS & WILKINS.2015: 1388-89
- **Impact of the 2014 FDA Warnings Against Laparoscopic Power Morcellation.** *Journal of minimally invasive gynecology*  
Lum, D., Berek, J. S., Sheikhi, F., Sokol, E. R.  
2015; 22 (6S): S77-?
- **Might Pelvic Surgeons Be Unaware of Their Surgical Failures? Patient Reporting and Perceptions After Failed Incontinence or Pelvic Organ Prolapse Surgery.** *Female pelvic medicine and reconstructive surgery*  
Elliott, C. S., Sokol, E. R.  
2015; 21 (5): 298-300
- **ARE PELVIC SURGEONS AWARE OF THEIR SURGICAL FAILURES? - PATIENT PERCEPTIONS AFTER FAILED INCONTINENCE OR PELVIC ORGAN PROLAPSE SURGERY**  
Elliott, C., Sokol, E.  
WILEY-BLACKWELL.2015: S46-S47
- **A cost-effectiveness analysis of conservative versus surgical management for the initial treatment of stress urinary incontinence** *40th Annual Scientific Meeting of the Society-of-Gynecologic-Surgeons*  
Richardson, M. L., Sokol, E. R.  
MOSBY-ELSEVIER.2014
- **Efficacy and safety of polyacrylamide hydrogel for the treatment of female stress incontinence: a randomized, prospective, multicenter north american study.** *journal of urology*  
Sokol, E. R., Karram, M. M., Dmochowski, R.  
2014; 192 (3): 843-849
- **IMPROVED QUALITY OF LIFE AND SEXUAL FUNCTION FOLLOWING BULKAMID TREATMENT: PATIENT SUBJECTIVE OUTCOME DATA FROM A SINGLE-MASKED, RANDOMIZED, MULTI-CENTER, COMPARATIVE STUDY**  
Sokol, E. R., Karram, M., Dmochowski, R.  
SPRINGER LONDON LTD.2014: S128-S129
- **ABDOMINAL SACRAL COLPOPEXY VERSUS SACROSPINOUS LIGAMENT FIXATION: A COST-EFFECTIVENESS ANALYSIS**  
Ohno, M. S., Richardson, M. L., Sokol, E. R.  
SPRINGER LONDON LTD.2014: S33-S34
- **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
- **Three-year outcomes of vaginal mesh for prolapse: a randomized controlled trial.** *Obstetrics and gynecology*  
Gutman, R. E., Nosti, P. A., Sokol, A. I., Sokol, E. R., Peterson, J. L., Wang, H., Iglesia, C. B.

2013; 122 (4): 770-777

● **THE EPIDEMIOLOGY OF INPATIENT AND OUTPATIENT PROLAPSE AND INCONTINENCE PROCEDURES IN THE STATE OF CALIFORNIA**

Elliott, C., Rhoads, K., Comiter, C., Chen, B., Sokol, E.  
WILEY-BLACKWELL.2013: 193

● **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

● **Posterior Compartment Prolapse: A Urogynecology Perspective** *UROLOGIC CLINICS OF NORTH AMERICA*

Richardson, M. L., Elliot, C. S., Sokol, E. R.  
2012; 39 (3): 361-?

● **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

● **THE ANATOMIC RELATIONSHIP BETWEEN THE ANTERIOR VAGINAL WALL AND THE VAGINAL APEX IN WOMEN WITH STAGE 2 OR GREATER CYSTOCELE**

Elliott, C., Comiter, C., Chen, B., Sokol, E.  
WILEY-BLACKWELL.2012: 218-19

● **One-year objective and functional outcomes of a randomized clinical trial of vaginal mesh for prolapse** *31st Annual Scientific Meeting of the American-Urogynecologic-Society*

Sokol, A. I., Iglesia, C. B., Kudish, B. I., Gutman, R. E., Shveiky, D., Bercik, R., Sokol, E. R.  
MOSBY-ELSEVIER.2012

● **New techniques for treating urinary incontinence by stress** *GIORNALE ITALIANO DI OSTETRICIA E GINECOLOGIA*

Elliot, C. S., Sokol, E. R.  
2011; 33 (3): 121-30

● **Variation in the Quality of Surgical Care for Uterovaginal Prolapse** *30th Annual Scientific Meeting of the American-Urogynecologic-Society*

Rhoads, K. F., Sokol, E. R.  
LIPPINCOTT WILLIAMS & WILKINS.2011: 46-51

● **Vaginal Mesh for Prolapse A Randomized Controlled Trial** *OBSTETRICS AND GYNECOLOGY*

Iglesia, C. B., Sokol, A. I., Sokol, E. R., Kudish, B. I., Gutman, R. E., Peterson, J. L., Shott, S.  
2010; 116 (2): 293-303

● **Alternative method of suprapubic assistance in operative cystoscopy** *INTERNATIONAL UROGYNECOLOGY JOURNAL*

Chang, P. L., Sokol, E. R.  
2010; 21 (2): 247-249

● **Is lysyl oxidase-like protein-1, alpha-1 antitrypsin, and neutrophil elastase site specific in pelvic organ prolapse?** *INTERNATIONAL UROGYNECOLOGY JOURNAL*

Man, W. C., Ho, J. Y., Wen, Y., Sokol, E. R., Polan, M. L., Chen, B.  
2009; 20 (12): 1423-1429

● **An Instructional Video to Improve Teaching Techniques and Learning in the Operating Room** *MedEdPORTAL. Available from: www.aamc.org/mededportal*

Sokol E, Metheny W, Ward R  
2009: 1754

● **Novel Repair of Tension-free Midurethral Sling Erosion into the Urethra** *JOURNAL OF MINIMALLY INVASIVE GYNECOLOGY*

Sokol, E. R., Urban, R.  
2008; 15 (6): 755-757

● **Combined trans- and periurethral injections of bulking agents for the treatment of intrinsic sphincter deficiency** *32nd Annual Meeting of the American-Association-of-Gynecologic-Laparoscopists*

Sokol, E. R., Aguilar, V. C., Sung, V. W., Myers, D. L.

SPRINGER LONDON LTD.2008: 643–47

- **Is alpha 2-macroglobulin important in female stress urinary incontinence?** *HUMAN REPRODUCTION*  
Wen, Y., Man, W. C., Sokol, E. R., Polan, M. L., Chen, B. H.  
2008; 23 (2): 387-393
- **Long-term follow-up of a transvaginal Burch urethropexy for stress urinary incontinence** *33rd Annual Meeting of the Society-of-Gynecological-Surgeons*  
Rardin, C. R., Sung, V. W., Hampton, B. S., Clemons, J. L., Aguilar, V., Sokol, E. R.  
MOSBY-ELSEVIER.2007
- **Variability of current symptoms in women with pelvic organ prolapse** *32nd Annual Meeting of the Society-of-Gynecologic-Surgeons*  
Sung, V. W., Clark, M. A., Sokol, E. R., Rardin, C. R., Myers, D. L.  
SPRINGER LONDON LTD.2007: 787–98
- **Does alpha 2-macroglobulin contribute to stress urinary incontinence?**  
Wen, Y., Man, W. C., Sokol, E., Polan, M. L., Chen, B.  
SPRINGER LONDON LTD.2007: S14–S15
- **Incarcerated vaginal herniation of the omentum mimicking vaginal prolapse.** *American journal of obstetrics and gynecology*  
Sokol, E. R., Munro, E. G.  
2007; 196 (3): e7-8
- **Effect of patient age on increasing morbidity and mortality following urogynecologic surgery** *Annual Scientific Meeting of the Infectious-Diseases-Society-for-Obstetrics-and-Gynecology*  
Sung, V. W., Weitzen, S., Sokol, E. R., Rardin, C. R., Myers, D. L.  
MOSBY-ELSEVIER.2006: 1411–17
- **The usefulness of urinary cytology testing in the evaluation of irritative voiding symptoms** *Joint Annual Meeting of the American-Urogynecologic-Society/Society-of-Gynecologic-Surgeons*  
Sokol, E. R., Patel, S. R., Clemons, J. L., Sung, V. W., Rardin, C. R., Myers, D. L.  
MOSBY-ELSEVIER.2005: 1554–59
- **Suburethral sting treatment of occult stress incontinence and intrinsic sphincter deficiency in women with severe vaginal prolapse of the anterior vs posterior/apical compartment** *Joint Annual Meeting of the American-Urogynecologic-Society/Society-of-Gynecologic-Surgeons*  
Clemons, J. L., Aguilar, V. C., Sokol, E. R., Sung, V. W., Myers, D. L.  
MOSBY-ELSEVIER.2005: 1566–72
- **Results of urine cytology testing and cystoscopy in women with irritative voiding symptoms** *Joint Annual Meeting of the American-Urogynecologic-Society/Society-of-Gynecologic-Surgeons*  
Sokol, E. R., Pate, S. R., Sung, V. W., Rardin, C. R., Weitzen, S., Clemons, J. L., Myers, D. L.  
MOSBY-ELSEVIER.2005: 1560–65
- **Patient characteristics that are associated with continued pessary use versus surgery after 1 year** *24th Annual Meeting of the American-Urogynecologic-Society*  
Clemons, J. L., Aguilar, V. C., Sokol, E. R., Jackson, N. D., Myers, D. L.  
MOSBY-ELSEVIER.2004: 159–64
- **Ultrasound examination of the postpartum uterus: what is normal?** *journal of maternal-fetal & neonatal medicine*  
Sokol, E. R., Casele, H., Haney, E. I.  
2004; 15 (2): 95-99
- **Laparoscopic morcellator-related injuries** *31st Annual Meeting of the American-Association-of-Gynecologic-Laparoscopists*  
Milad, M. P., Sokol, E.  
JOURNAL AMER ASSOC GYNECOLOGIC LAPAROSCOPISTS.2003: 383–85