



## Professional Experience

- 2014 - present      Physician Partner  
Fertility and Surgical Associates of California
- 2014 - present      Associate Professor; Voluntary Adjunct Faculty  
UCLA Fertility and Reproductive Health Center  
Division of Reproductive Endocrinology and Infertility  
Department of Obstetrics and Gynecology
- 2007 - 2014        Director, In Vitro Fertilization and Assisted Reproduction  
UCLA Fertility and Reproductive Health Center  
Division of Reproductive Endocrinology and Infertility  
Department of Obstetrics and Gynecology
- UCLA Fertility and Reproductive Health Center  
200 Medical Plaza, Suite 220  
Los Angeles, CA 90095  
Office: (310) 825-9500
- 2012 - present      Fluoroscopy Supervisor and Operator
- 2013 - present      Associate Clinical Professor in Reproductive Endocrinology and Infertility  
UCLA Fertility and Reproductive Health Center  
The David Geffen School of Medicine at UCLA  
Department of Obstetrics and Gynecology  
10833 Le Conte Ave, 22-144 CHS
- 2012 - present      Board Member, Pacific Coast Reproductive Society
- 2006 - 2013        Assistant Clinical Professor in Reproductive Endocrinology and Infertility  
UCLA Fertility and Reproductive Health Center  
The David Geffen School of Medicine at UCLA  
Department of Obstetrics and Gynecology  
10833 Le Conte Ave, 22-144 CHS  
Los Angeles, CA 90095
- 2005 - 2006        Attending in Reproductive Endocrinology and Infertility  
Reproductive Medicine Associates of New Jersey  
111 Madison Avenue, Suite 100  
Morristown, NJ 07960
- 2002 - 2005        Fellow in Reproductive Endocrinology and Infertility  
The Center for Reproductive Medicine and Infertility, Weill Medical  
College of Cornell University (CRMI)  
505 East 70<sup>th</sup> Street, HT-3<sup>rd</sup> Floor, New York, NY 10021

1998 - 2002            Faculty Position as Clinical Instructor  
University of Vermont College of Medicine/Fletcher Allen Health Care  
111 Colchester Avenue, Burlington, VT 05401

### **Postgraduate Medical Education**

1998 - 2002            Resident in Obstetrics and Gynecology, completed June 2002  
University of Vermont College of Medicine/Fletcher Allen Health Care  
111 Colchester Avenue, Burlington, VT 05401

### **Medical Education**

1994 - 1998            University of Vermont College of Medicine (UVM)  
89 Beaumont Avenue, Burlington, VT 05405  
Medical Degree, May 1998

### **Undergraduate Education**

1989 - 1993            University of California, Los Angeles (UCLA)  
Bachelors in Science, Biology, June 1993  
405 Hilgard Ave, Los Angeles, CA 90095

### **Hospital Privileges**

2014 - present            Thousand Oaks Surgical Hospital and Los Robles Medical Center

2006 - present            UCLA Medical Center  
10833 Le Conte Ave, Los Angeles, CA 90095

2006                        Morristown Hospital  
100 Madison Avenue, Morristown, New Jersey 07962

2002 - 2005            New York Presbyterian Hospital – Cornell Campus  
525 East 68<sup>th</sup> Street, New York, NY 10021

1998 - 2002            Fletcher Allen Health Care  
111 Colchester Avenue, Burlington, VT 05401

### **Honors and Awards**

2008 - 2016            America's Top Doctors Obstetrics and Gynecology

2012		The Leading Physicians of the World - Top Obstetrician/Gynecologist in Los Angeles, CA awarded by The International Association of Obstetricians & Gynecologists
2008		Patients' Choice Award
2002	June	Best resident research presentation University of Vermont College of Medicine/Fletcher Allen Health Care
2002	June	American Association of Gynecologic Laparoscopists Award Best resident surgeon in minimally invasive surgery University of Vermont College of Medicine/Fletcher Allen Health Care
2000	Jan - Feb Jul - Aug Sep - Oct	Best resident teacher in obstetrics and gynecology University of Vermont College of Medicine/Fletcher Allen Health Care
1999	Jan - Feb	
1998	May	Carvee Award for excellence in obstetrics and gynecology University of Vermont College of Medicine
1998	May	Phi Beta Kappa awarded as a medical student University of Vermont College of Medicine
1997	April	Alpha Omega Alpha as a 3 <sup>rd</sup> year medical student University of Vermont College of Medicine
1993	June	Dean's List, University of California, Los Angeles

## **Leadership**

2019 - 2020	President Pacific Coast Reproductive Society
2018 - 2019	In-coming President Pacific Coast Reproductive Society
2017 - 2018	Vice President of Finance Pacific Coast Reproductive Society
2012 - 2017	Board or Directors Pacific Coast Reproductive Society
2007 - 2014	Director, In Vitro Fertilization and Assisted Reproduction

UCLA Fertility and Reproductive Health Center  
Division of Reproductive Endocrinology and Infertility  
Department of Obstetrics and Gynecology

## Research Experience

- 2014 Analysis of free embryonic DNA in spent IVF media
- 2011 Epigenetic differences in fat cells between patients with and without PCOS
- 2005 Mouse oocytes reconstituted with somatic or germ cell nuclei, under Gianpiero Palermo, MD, and Takumi Takeuchi, MD, CRMI
- 2003 - 2005 Examination of immunohistochemical expression of the L-selectin ligand on receptive human endometrium and its relationship to pregnancy outcome, under Isaac Kligman, MD, Steven Spandorfer, MD, and Zev Rosenwaks, MD, CRMI
- 2004 - 2005 Prospective analysis on the benefit of ultrasound-guided trial transfer in preparation for an *in vitro* fertilization cycle, under Glenn Schattman, MD, CRMI
- 2004 - 2005 Case-control analysis on the influence of male factor infertility on the progression of day-3 embryos to blastocyst, under Pak Chung, MD, CRMI
- 2002 - 2003 Prospective analysis of ultrasound-guided embryo transfer and the accuracy of trial transfer, under Steven Spandorfer, MD, CRMI
- 2002 - 2003 Retrospective analysis of the success of low-dose gonadotropin step-up protocol during ovulation induction for the PCOS patient, under Steven Spandorfer, MD, CRMI
- 1998 - 2000 Comparison of laparoscopy with laparotomy for the treatment of endometrial cancer, under Gamal Eltabbakh, MD, Division of Gynecologic Oncology, UVM
- 1997 Analysis of long-term outcome of endometrial ablation for menometrorrhagia, under Cynthia Sites, MD, Department of Obstetrics and Gynecology, UVM
- 1993 - 1994 Investigation of the effects of alpha-bungarotoxin on brain and muscle acetylcholine receptors in the frog oocyte, under Ricardo Miledi, MD, PhD, Department of Neurobiology, University of California, Irvine (UCI)
- 1992 Examination of a new cell ablation technique on the eye disc of *Drosophila* larvae *in vivo*, under Utpal Banerjee, PhD, Department of Genetics, UCLA

- 1991 Exploration of the effects of adenosine on the *in utero* brain of fetal sheep via microdialysis, under Brian Koos, MD, PhD, Department of Obstetrics and Gynecology, UCLA
- 1990 Vascular effects of chemicals and hormones in *Rattus*, performed catheterization of the rat carotid artery and femoral vein, under Gautum Chaudhuri, MD, PhD, Departments of Obstetrics and Gynecology and Pharmacology, UCLA

## **Memberships**

- 2006 - pres Fellow of the American College of Obstetricians and Gynecologists
- 2005 - pres Diplomate of the American Board of Obstetrics and Gynecology
- 2002 - pres American Society of Reproductive Medicine
- 2002 - pres Pacific Coast Reproductive Society
- 2002 - pres Society of Reproductive Endocrinology and Infertility
- 2002 - 2006 American Academy of Gynecologic Laparoscopy
- 1998 - 2006 Junior Fellow American College of Obstetricians and Gynecologists
- 1994 - 1998 American Medical Student Association
- 1994 - 1998 American College of Physicians
- 1994 - 1998 American Academy of Family Physicians

## **Invited Lectures**

- 2016 - 2017 Advances in Assisted Reproduction and Genetic Testing. Fertility Meeting, Beijing, China
- 2008 - 2014 Uterine and Factors Impacting IVF Outcomes, UCLA IVF Meeting. Santa Barbara, CA
- 2008 - 2014 Uterine and Factors Impacting IVF Outcomes, UCLA Grand Rounds. Los Angeles, CA
- 2005 Fertility Preservation for Cancer Patients. Midwest Society Meeting. Chicago, IL

## Publications

### Research Papers

1. **Shamonki MI**, Squatrito RC, Welander CE. Advanced ovarian carcinoma presenting with a cerebrovascular accident. *Gynecol Oncol* 1998;70(2):300-2.
2. **Shamonki MI**, Ziegler WF, Badger GJ, Sites CK. Prediction of endometrial ablation success according to perioperative findings. *Am J Obstet Gynecol* 2000;182(5):1005-7.
3. Eltabbakh GH, **Shamonki MI**, Moody JM, Garafano LL. Hysterectomy for obese women with endometrial cancer: laparoscopy or laparotomy? *Gynecol Oncol* 2000;78(3):329-35.
4. Eltabbakh GH, **Shamonki MI**, Moody JM, Garafano LL. Laparoscopy as the primary modality for the treatment of women with endometrial carcinoma. *Cancer* 2001;91(2):378-87.
5. **Shamonki MI**, Spandorfer SD, Rosenwaks Z. Ultrasound-guided embryo transfer and accuracy of trial transfer. *Hum Reprod* 2005;20(3):709-716.
6. **Shamonki MI**, Oktay K. Oocyte and ovarian cryopreservation: indications, techniques, and applications. *Semin Reprod Bio* 2005;23:266-76.
7. Sonmezer M, **Shamonki MI**, Oktay K. Ovarian tissue cryopreservation: benefits and risks. *Cell Tissue Res* 2005;322:125-32.
8. **Shamonki MI**, Schattman GL, Spandorfer SD, Chung PH, Rosenwaks Z. Ultrasound-guided trial transfer can be beneficial in preparation for an in-vitro fertilization cycle. *Hum Reprod* 2005;20:2844-9.
9. **Shamonki MI**, Kligman I, Shamonki JM, Schattman GL, Hyjek E, Spandorfer SD, Rosenwaks Z. Immunohistochemical expression of endometrial L-selectin ligand is higher in donor egg-recipients with embryonic implantation. *Fertil Steril* 2006;86:1365-1375.
10. Glujovsky D, **Shamonki MI**, Bergh PA. Embryonic synergism may reduce pregnancy loss: a multivariate regression analysis. *Fertil Steril* 2007;87:509-14.
11. **Shamonki MI**, Frattarelli JL, Bergh PA, Scott RT. Logarithmic curves depicting initial level and rise of serum beta human chorionic gonadotropin and live delivery outcomes with in vitro fertilization: An analysis of 6021 pregnancies. *Fertil Steril* 2009;91:1760-4.

12. Amin M, Cho M, **Shamonki M**. Establishment of a Successful Pregnancy and Term Delivery Following Ovulation Induction with a Maximum Endometrial Thickness of 3 mm. *J Fertil In Vitro* 2012;2:5.
13. **Shamonki MI**, Jin H, Haimowitz Z, Liu L. Proof of Concept: Preimplantation genetic screening without embryo biopsy through analysis of cell-free DNA in spent embryo culture media. *Fertil Steril* 2016;106:1312-8.
14. Sundheimer L, Kathiresan A, Dumesic D, Parvataneni R, **Shamonki, M**. A Cost-Benefit Analysis of Hysteroscopic Polypectomy Before Controlled Ovarian Hyperstimulation and Intrauterine Insemination in Infertile Women. *J Reprod Med*. 2017;62:127-132.
15. Kaing A, Kroener L, Tassen R, Li M, Liu L, Buyalos R, Hubert G, **Shamonki M**. Earlier day of blastocyst development is predictive of embryonic euploidy across all ages: essential data for physician decision-making and counseling patients. *J Assist Reprod Genet* 2017, ePub ahead of print.
16. Sundheimer, LW, Liu L, Buyalos RP, Hubert G, Al-Safi, Z, **Shamonki M**. Diagnosis of parental balanced reciprocal translocations by trophectoderm biopsy and comprehensive chromosomal screening. *J Assist Reprod Genet* 2017, ePub ahead of print.

### **Book Chapters**

1. Conway DA, **Shamonki MI**. Diagnosis and Management of Infertility Due to Diminished Ovarian Reserve. *Infertility* 2011. Ed. Seli E.
2. Conway DA, **Shamonki MI**. Ectopic Pregnancy: Diagnosis and Management. *Women's Health Review: A Clinical Update in Obstetrics-Gynecology* 2012. Eds. Di Saia, Chaudhuri, Giudice, Moore, Porto, Smith.
3. **Shamonki MI**, Nelson AL, Gambone J. Ectopic Pregnancy. *Hacker and Moore's Essentials of Obstetrics and Gynecology* 2011. Eds. Hacker, Gambone, Hobel.

### **Book Chapters in Preparation**

1. **Shamonki MI**. Tubal and Uterine Abnormalities That May Impact Outcomes in In Vitro Fertilization. In progress. Book title to be decided. Ed. Rapkin A.

### **Abstracts and Presentations**



1. Ziegler W, **Shamonki MI**, Badger G, Sites CK. Factors predicting the success or failure of endometrial ablation. American College of Obstetricians and Gynecology Annual Meeting, May 1998.
2. **Shamonki MI**, Ziegler WF, Badger GJ, Sites CK. Prediction of endometrial ablation success according to perioperative findings. American College of Obstetricians and Gynecology District I Conference, Burlington, VT, September 1999.
3. Eltabbakh GH, **Shamonki MI**, Moody JM, Garafano LL. Laparoscopy as the primary modality for management of women with endometrial cancer. *Gynecologic Oncology* 2000; 76: 233-4 (Abstract #14).
4. **Shamonki MI**, Spandorfer SD, Roberts JE, Rosenwaks Z. Ultrasound-guided embryo transfer: Does it improve IVF success? *Fertil Steril* 2003; 80(3):127-8. ASRM in San Antonio, TX, Oct. 2003.
5. **Shamonki MI**, Spandorfer SD, Fasouliotis SJ, Rosenwaks Z. Low-dose gonadotropin step-up protocol is highly successful for the PCOS patient. *Fertil Steril* 2003; 80(3):171. ASRM in San Antonio, TX, Oct. 2003.
6. Roberts JE, Spandorfer SD, Fasouliotis SJ, **Shamonki MI**, Rosenwaks Z. Follicle Stimulating Hormone (FSH) secreting pituitary adenoma causing spontaneous ovarian hyperstimulation syndrome. *Fertil Steril* 2003; 80(3):271-2. ASRM in San Antonio, TX, Oct. 2003.
7. **Shamonki MI**, Rosenwaks Z. Prevention of ovarian hyperstimulation syndrome. Syllabus for postgraduate course at ASRM in San Antonio, TX, Oct. 2003.
8. Fasouliotis SJ, Galindo A, Kashyap S, Spandorfer SD, **Shamonki MI**, Rosenwaks Z, Schattman GL. Prospective analysis of the predictive value of day 3 antral follicle count and ovarian volume In-Vitro Fertilization (IVF) cycles. ESHRE Madrid June 2004.
9. **Shamonki MI**, Kligman I, Schattman GL, Shamonki JM, Zaninovic N, Rosenwaks Z. Presence of the L-selectin ligand by immunohistochemistry is significantly lower on the endometrium obtained from donor egg-recipients who fail to conceive. ASRM in Philadelphia, PA, Oct. 2004.
10. **Shamonki MI**, Kligman I, Spandorfer SD, Shamonki JM, Zaninovic N, Rosenwaks Z. Immunohistochemical staining characteristics of the L-selectin ligand in hormonally programmed and natural cycle luteal endometrium. ASRM in Philadelphia, PA, Oct. 2004.
11. **Shamonki MI**, Thompson S, Chung PH, Spandorfer SD, Veeck LL, Rosenwaks Z. The influence of male factor infertility on the progression of day-3 embryos to blastocyst: a case-control study. ASRM in Philadelphia, PA, Oct. 2004.

12. **Shamonki MI**, Spandorfer SD, Chung PH, Rosenwaks Z, Schattman GL. Ultrasound-guided sounding may be of benefit in preparation for an *in-vitro* fertilization cycle. ASRM in Philadelphia, PA, Oct. 2004.
13. Zaninovic N, **Shamonki MI**, Park J, Spandorfer SD, Veeck LL, Rosenwaks Z. Detection of L-selectin and its ligand on human endometrial cell cultures in vitro. ASRM in Philadelphia, PA, Oct. 2004.
14. Spandorfer SD, Fasouliotis SJ, **Shamonki MI**, Park J, Witkin SS, Rosenwaks Z. Autologous Endometrial Co-Culture (AECC) in patients with IVF failure: Correlations of adhesion molecules and outcome. ASRM in Philadelphia, PA, Oct. 2004.
15. Jakus S, **Shamonki MI**, Spandorfer SD, Rosenwaks Z. Natural Cycle and Timing of Intrauterine Insemination: HCG vs Spontaneous LH surge. ASRM in Montreal, Quebec, Canada, Oct. 2005.
16. **Shamonki MI**, Kligman I, Shamonki JM, Zaninovic N, Rosenwaks Z, Spandorfer SD. Immunohistochemical expression of endometrial L-selectin ligand obtained during the natural menstrual cycle from women undergoing autologous endometrial coculture. ASRM in Montreal, Quebec, Canada, Oct. 2005.
17. **Shamonki MI**, Kligman I, Spandorfer SD, Shamonki JM, Zaninovic N, Rosenwaks Z. Comparison of L-selectin ligand expression by immunohistochemistry in human luteal endometrium obtained from natural and hormone replacement cycles. ASRM in Montreal, Quebec, Canada, Oct. 2005.
18. Scott R, Styne A, **Shamonki M**, Miller K. The predictive value of ovarian reserve screening with basal follicle stimulating hormone (FSH) levels is greatly impacted by the method used to select the threshold between normal and elevated basal FSH values. ASRM in New Orleans, LA, Oct. 2006.
19. **Shamonki MI**, Glujovsky D, Wambach CM, Miller KA, Bergh PA. Formula predicting progression to blastocyst using characteristics from the first three days of development of 34,708 embryos. ASRM in Washington, DC, Oct. 2007.
20. Agard J, Glujovsky D, **Shamonki MI**, Frattarelli J, Bergh PA. Estradiol levels after human chorionic gonadotropin (hCG) administration are not predictive of IVF outcome: analysis of 7,474 initial fresh IVF cycles. ASRM in Washington, DC, Oct. 2007.
21. Wambach CM, Gueye A, **Shamonki MI**, Glujovsky D, Miller KA, Bergh PA. The number of blastomeres on day-2 and the progression to blastocyst: an analysis of 34,883 embryos. ASRM in Washington, DC, Oct. 2007.

22. Wambach CM, **Shamonki MI**, Glujovsky D, Miller KA, Bergh PA. Day-3 embryo morphology and progression to blastocyst: an analysis of 34,708 embryos. ASRM in Washington, DC, Oct. 2007.
23. Cook HM, Levin O, **Shamonki MI**, Bonser B, Bergh PA. Fresh embryo transfer verses freeze-all cycle with subsequent embryo thaw and transfer in women undergoing their first in vitro fertilization (IVF) cycle: do pregnancy outcomes differ? ASRM in Atlanta, GA, Oct. 2009.
24. Conway DA, Ketefian A, **Shamonki MI**. Chronic endometritis: a common finding in good prognosis patients with failed implantation following in-vitro fertilization. ASRM in Denver, CO 2010.
25. Kathiresan AS, **Shamonki MI**, Cruz-Almeida Y, Barrionuevo M, Hoffman DI, Maxon WS, Ory SJ. Reproductive Endocrinology and Infertility Match: A survey of the 2011-2012 applicant pool. Fertility and Sterility Vol. 99, Issue 3, Supplement, Page S9. PCRS in Palm Desert, CA 2013.
26. Sundheimer L, Kathiresan A, Dumesic D, Parvataneni R, **Shamonki MI**. A cost benefit analysis of hysteroscopic polypectomy in infertile women planning gonadotropin stimulation and intrauterine insemination. Fertility and Sterility Vol. 100, Issue 3, Supplement, Pages S31-S32. ASRM in Boston, MA 2013.
27. Lewis EI, Brower M, **Shamonki MI**. Treatment of chronic endometritis in women with implantation failure improves implantation in subsequent embryo transfers. Fertility and Sterility Vol. 100, Issue 3, Supplement, Page S390. ASRM in Boston, MA 2013.
28. **Shamonki MI**, Jin H, Haimowitz Z, Liu L. Proof of Concept: Non-invasive reimplantation genetic screening through analysis of cell-free DNA in spent embryo culture media. Poster at Pacific Coast Reproductive Society Meeting, Palm Desert California 2016.
29. Kaing A, Kroener L, Tassen R, Li M, Liu L, Buyalos R, Hubert G, **Shamonki MI**. Earlier day of blastocyst trophectoderm biopsy is predictive of embryonic euploidy across all age groups in both autologous and donor cycles: essential data for counseling patients. Poster at American Society of Reproductive Medicine Meeting. Salt Lake City 2016.
30. Kaing A, Kroener L, Buyalos RP, Hubert G, **Shamonki M**. Prediction model for expected live births per retrieval based on patient age and number of oocytes retrieved. Poster at Pacific Coast Reproductive Society Meeting 2017.
31. Sundheimer LW, Buyalos R, Hubert G, Liu L, Al-Safi Z, **Shamonki M**. Identification of previously undetected reciprocal translocations by comprehensive chromosomal screening of IVF embryos in patients with and

without recurrent pregnancy loss. Poster at Pacific Coast Reproductive Society Meeting 2017.

32. Zore T, Kroener L, Wang C, Liu L, Buyalos RP, Hubert G, **Shamonki M**. Transfer of embryos with segmental mosaicism is associated with a significant reduction in live birth rate compared to euploid controls. Oral at American Society of Reproductive Medicine Meeting. San Antonio 2017.
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