

## **SIGAL KLIPSTEIN, M.D.**

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*Board-Certified in Obstetrics and Gynecology  
Board-Certified in Reproductive Endocrinology and Infertility*

### **Employment**

**InVia Fertility Specialists**  
**Vice President and Director of Egg Donor Program**  
Hoffman Estates, IL  
[www.inviafertility.com](http://www.inviafertility.com)  
September 2004-present

**Academic Affiliation:** Clinician Educator, Department of Obstetrics and Gynecology,  
University of Chicago Pritzker School of Medicine

### **Education**

**Fellowships:** Reproductive Endocrinology and Infertility  
**Harvard Medical School / Beth Israel Deaconess Medical Center**  
**Boston IVF**  
**Boston, Massachusetts**  
Division of Reproductive Endocrinology  
Department of Obstetrics, Gynecology and Reproductive Biology  
July 2001-July 2004

Medical Ethics  
**Harvard Medical School**  
**Boston, Massachusetts**  
Department of Social Medicine  
Division of Medical Ethics  
September 2001-June 2002

**Residency:** Obstetrics and Gynecology  
**Beth Israel Deaconess Medical Center**  
**Boston, Massachusetts**  
Department of Obstetrics, Gynecology and Reproductive Biology  
July 1998-July 2001  
**Activities:**  
Reading Elective in Reproductive Ethics - Dr. Adrienne Asch  
Professor in Biology, Ethics and the Politics of Human Reproduction  
Wellesley College, Massachusetts  
Visiting Physician at the Dniepopetrovsk Gynecologic Health Clinic  
Dniepopetrovsk, Ukraine

**Internship:** Obstetrics and Gynecology  
**Northwestern University Medical Center**  
**Chicago, Illinois**  
Department of Obstetrics and Gynecology  
July 1997-July 1998

**Medical School:** University of Chicago, Pritzker School of Medicine  
**Chicago, Illinois**  
September 1993-June 1997  
**Activities:**  
Bioethics Interest Group  
Interviewer, Medical School Admissions  
Reading Elective in Reproductive Ethics; Mary Mahowald  
Coordinator, Pritzker Task Force on AIDS Education  
AMSA Executive Board Member/ Co-Regional Representative  
Summer Fellow, MacLean Center for Clinical Medical Ethics  
Dr. Mark Siegler, mentor

**Research Fellowship:** National Institutes of Health / National Cancer Institute  
January – June 1993  
Tumor metastasis research in the lab of Dr. Lance Liotta

**Undergraduate:** University of Illinois

## **Champaign-Urbana, Illinois**

B.A. December 1992

Major: Spanish Literature

Minor: Biochemistry

*Summa cum laude*

### **Activities**

Emergency Medical Technician – Level A

Volunteer Paramedic for Illini Emergency Medical Services

Semester Abroad, Universidad Complutense, Madrid, Spain

Semester Abroad, Tel-Aviv University, Tel-Aviv, Israel

Volunteer Paramedic for Magen David Adom EMS, Israel

## **Original Articles**

ACOG Committee Opinion no.600 (**primary contributor**): "Ethical Issues in the Care of the Obese Woman." *Obstet Gynecol* 2014;123:1393.

**Klipstein S**, Fallat ME, "Applying the experience of ovarian tissue cryopreservation to testicular tissue cryopreservation: what the girls have taught us." *Am J Bioeth* 2013; 13(3):44-46.

ACOG Committee Opinion no. 553 (**primary contributor**): "Multifetal pregnancy reduction." *Obstet Gynecol* 2013;121:405-410.

**Klipstein S**, "Ethical Considerations Arising from the Use of Assisted Reproductive Technologies." *Semin Reprod Med* 2012;30(2):146-151.

Meyer LR, **Klipstein S**, Hazlett WD, Nasta T, Mangan P, Karande VC, "A prospective randomized controlled trial of preimplantation genetic screening (PGS) in the 'good prognosis' patient." *Fertil Steril* 2009; 91(5);1731-1738.

Sneeringer R, **Klipstein S**, Ryley DA, Alper MM, Reindollar RH, "Pregnancy loss in the first in vitro fertilization cycle is not predictive of subsequent delivery in women over 40 years." *Fertil Steril* 2008; 89(2); 364-367.

**Klipstein S**, "Preimplantation Genetic Diagnosis: Technological Promise and Ethical Perils." *Fertil Steril* 2005; 83(5): 1347-1353.

**Klipstein S**, Regan M, Ryley DA, Goldman MB, Alper MM, Reindollar RH, "One last chance for pregnancy associated with advanced maternal age: A review of 2,705 IVF cycles initiated in women aged 40 years and above." *Fertil Steril* 2005; 84(2); 435-445.

**Klipstein S**, Latash WD, Karande VC, “The development of recombinant follicle stimulating hormone (rFSH) for use in the treatment of infertility: new solutions to old challenges.” *Reviews in Gynaecological Practice* 2004; 4(2004): 203-210.

**Klipstein S**, Alper M, Regan MM, Reindollar RH, “Initiation of a GnRH antagonist in IVF cycles in which the lead follicle is greater than 14mm.” *Fertil Steril* 2004; 81(3): 714-715.

Ryley DA, Berger MJ, Regan M, Harris D, **Klipstein S**, Reindollar RH. “Outcomes of 6,462 IVF cycles with a low peak serum estradiol and/or low number of mature follicles resulting from controlled ovarian hyperstimulation: a 7-year review” (submitted).

Karnis MF, Zimon AE, Lalwani SI, Timmreck LS, **Klipstein S**, Reindollar RH, “The Risk of Death in Pregnancy Achieved through Oocyte Donation in Patients with Turner Syndrome: A National Survey.” *Fertil Steril* 2003; 80(3): 498-501.

**Klipstein S**, Bhagavath B, Topipat C, Sasur L, Reindollar RH, Gray MR, “The N314D polymorphism of the GALT gene is not associated with congenital absence of the uterus and vagina (CAUV).” *Molec Human Reprod.* 2003; 9(3): 171-174.

**Klipstein S**, “New reproductive options and the incest taboo.” *Journal of Clinical Ethics* 2002; 13(3):234-241.

**Klipstein S**. “Cases from the Harvard Ethics Consortium: Irene’s Story.” *Journal of Clinical Ethics* 2002; 13(3): 230-234.

**Klipstein S**, Reindollar RH, and Alper MM, “Gender bias in the disposition of frozen embryos.” *Fertil Steril* 2001; 76(6):1181-1184.

**Klipstein S** and Oskowitz SP, “Mechanisms for bilateral ectopics after embryo transfer?” *Fertil Steril* 2001; 76(1): 212-213.

**Klipstein S** and Oskowitz SP, “Bilateral ectopic pregnancy following transfer of two embryos.” *Fertil Steril* 2000; 74(5); 887-888.

Beckner ME, Krutzsch HC, **Klipstein S**, Williams ST, Maguire JE, Doval M, Liotta LA, “AAMP, a newly identified protein, shares a common epitope with alpha-actinin, a fast skeletal muscle fiber protein.” *Exper Cell. Res.* 1996; 225: 306-314.

Murthy MS, Scanlon EF, Jelachich ML, **Klipstein S**, Goldschmidt RA, “Growth and metastasis of human breast cancers in athymic nude mice.” *Clinic Exper Mets* 1995; 13(1): 3-5.

## **Abstracts**

Meyer LF, Hazlett WD, Nasta T, **Klipstein S**, Karande VC, "Does technique matter: The effect of blastomere biopsy technique on pregnancy rates (PR) and implantation rates (IR) during a preimplantation genetic screening (PGS) cycle." *Fertil Steril* Vol 90S, P S79-S80, 2008

Karande VC, **Klipstein S**, Hazlett WD, Beckman SL, Meyer LF, "Anti-müllerian hormone levels correlate with number of oocytes retrieved and pregnancy outcome in IVF." *Fertil Steril* Vol 90S, P S418, 2008

**Klipstein S** and Karande VC, "Coercion in the recruitment of anonymous egg donors." Abstract P-670. American Society of Reproductive Medicine Annual Meeting, New Orleans, Louisiana, 2006.

Meyer LR, Hazlett D, Nasta T, Mangan P, **Klipstein S**, Karande V, "Does preimplantation genetic diagnosis (PGD) improve cycle outcome in the "good prognosis" patient?" *Fertil Steril* Vol 86(3)S, P S72, 1006.

**Klipstein S**, Cioni NM, Meyer L, Karande VC, "Neither subchorionic hematomas nor vaginal bleeding predict poor outcomes following in vitro fertilization cycles once fetal heart tones have been detected." Abstract P-906. American Society of Reproductive Medicine Annual Meeting, New Orleans, Louisiana, 2006.

**Klipstein S**, Ezcurra D, Miller B, Alper MM, "Clinical outcomes of IVF/ICSI cycles performed with sperm obtained via epididymal aspiration vs. testicular biopsy." Abstract P-110. American Society of Reproductive Medicine Annual Meeting, Philadelphia, Pennsylvania, 2004.

Yang LC, **Klipstein S**, Timmreck LT, Galper S, Alper MM, Reindollar RH, "Success rates from 390 cycles of gonadotropin/IUI in women aged 40 and above." Abstract P-176, American Society of Reproductive Medicine Annual Meeting, Philadelphia, Pennsylvania, 2004.

Ryley DA, Bayer SR, Eaton J, Zimon A, **Klipstein S**, Reindollar RH, "Influence of body mass index (BMI) on the outcome of 6,827 IVF cycles." Abstract O-95, American Society of Reproductive Medicine Annual Meeting, Philadelphia, Pennsylvania, 2004.

Sneeringer RM, **Klipstein S**, Ryley DA, Alper MM, Reindollar RH, "A positive  $\beta$ -hCG in a 1<sup>st</sup> IVF cycle is not predictive of subsequent delivery in women aged 40 and older." Abstract O-324. American Society of Reproductive Medicine Annual Meeting, Philadelphia, Pennsylvania, 2004.

Yang LC, Timmreck LT, Galper S, Ryley DA, **Klipstein S**, Reindollar RH, "Gonadotropin/IUI in women 40 years and older: Success rates from 263

cycles.” The Annual Assembly of the New England Fertility Society: Practice and Science, Bretton Woods, New Hampshire, 2004.

**Klipstein S**, Alper MM, “Recombinant human chorionic gonadotropin (rhCG): A comparison of 250 vs. 400 mcg doses.” Abstract P-178, American Society of Reproductive Medicine Annual Meeting, San Antonio, Texas, 2003.

**Klipstein S**, Eyvazzadeh A, Thornton KL, Timmreck LS, Ryley DA, Reindollar RH, “High order multiple (HOM) pregnancies and IVF cycle number: Is there an association?.” Abstract P-162, American Society of Reproductive Medicine Annual Meeting, San Antonio, Texas, 2003.

Ryley DA, Regan M, Connolly C, Harris D, **Klipstein S**, Reindollar, RH, “The IVF low responder: Do not rush to cancel.” Abstract O-157, American Society of Reproductive Medicine Annual Meeting, San Antonio, Texas, 2003.

Catherino WH, **Klipstein S**, McKeeby J, Segars JH, “Clomid citrate challenge test (CCCT) as a specific test to identify low responders: Better than Day 3 FSH alone?” Abstract P-111, American Society of Reproductive Medicine Annual Meeting, San Antonio, Texas, 2003

**Klipstein S**, Harris DH, Alper MM, Ryley DA, Timmreck L, Reindollar RH, “Success rates in women undergoing in vitro fertilization at age 40 and above at the nation’s largest IVF center.” Abstract 592, presented at the Society for Gynecologic Investigation Annual Meeting, Washington, D.C., 2003.

**Klipstein S**, Lalwani S, Timmreck L, Alper M, Reindollar RH, “Initiation of a GnRH antagonist in IVF cycles in which the lead follicle is greater than 14mm.” Abstract P-15. American Society of Reproductive Medicine Annual Meeting, Seattle, Washington, 2002.

**Klipstein S**, Topipat C, Bhagavath B Timmreck L, Lalwani S, Salahuddin S, Reindollar RH, “The N314D galactose-1- phosphate uridyl transferase (GALT) gene allele in patients with developmental anomalies of the reproductive tract.” Journal of the Society for Gynecologic Investigation Vol. 9, No.1 (Supplement), Jan/Feb 2002, p.351A.

Lalwani SI, Berger M, **Klipstein S**, Timmreck L, Gardella J, Reindollar R, “Gestational surrogacy: a model to study the maximum success rates offered by an IVF program.” Abstract P-83. American Society of Reproductive Medicine Annual Meeting, Seattle, Washington, 2002.

Timmreck L, Handelin B, Allito B, Rohlf E, Davis AJ, Gidwani G, Lalwani SI, **Klipstein S**, Gray MR, Reindollar RH, “Cystic fibrosis transmembrane conductance regulator (CFTR) gene intron 8 poly-5T (IVS8-5T) allele in patients with congenital absence of the uterus and vagina (CAUV).” Journal of the Society for Gynecologic Investigation Vol. 9, No. 1 (Supplement), Jan/Feb 2002, p.155A.

Lalwani S, Berger M, **Klipstein S**, Timmreck L, Reindollar R, “Parental karyotypic abnormalities identified in patients with multiple IVF failures who did not meet standard criteria for obtaining chromosomal studies.” Journal of the Society for Gynecologic Investigation Vol. 9, No. 1 (Supplement), Jan/Feb 2002, p.325A.

## **Presentations**

- 2005 “Manipulating Time and Space: The Ethical Implications of Gamete and Embryo Cryopreservation.”  
Lutheran General Hospital, Dept. of Obstetrics and Gynecology
- 2005 “Waiting for the Stork: Multiple Paths to Motherhood.”  
WomanFest, Park Ridge, IL
- 2004 “Preimplantation Genetic Diagnosis: Technological Promise and Ethical Perils.”  
Northwest Community Hospital, Department of Obstetrics and Gynecology
- 2003 “The Ethics of infertility: Family building in the modern era.”  
NICU Ethics Tutorial
- 2002 “Preimplantation genetic diagnosis: technological promise and ethical perils”  
Grand Rounds – Dept. of Ob/Gyn – Beth Israel Deaconess Medical Center
- 2002 “Preimplantation genetic diagnosis: scientific basis and ethical challenges”  
Harvard Medical School, Department of Social Medicine Lecture Series
- 2001 “Science and ethics of cloning and stem cell technologies”  
Harvard Medical School Department of Social Medicine Lecture Series
- 2001 “New reproductive technologies and the incest taboo”  
Harvard Ethics Consortium
- 2001 “The science and ethics of cloning”  
Grand Rounds – Dept. of Ob/Gyn – Beth Israel Deaconess Medical Center
- 2000 “History of contraception”  
Department of Ob/Gyn, Beth Israel Deaconess Medical Center
- 1999 “The ancient history of obstetrics and gynecology”  
Department of Ob/Gyn, Beth Israel Deaconess Medical Center
- 1999 “Emergency contraception”  
Department of Obstetrics and Gynecology, Dnepopetrovsk, Ukraine
- 1996 “The ethics of home health care”  
University of Chicago Pritzker School of Medicine – Summer Research Poster Forum
- 1992 “The impact of verbalizability of abstract stimuli on interhemispheric transfer of information”  
Department of Cognitive Neuroscience – University of Illinois

## **Book Chapters**

“Eggs for Sale: How Much is too Much?” in Donor Egg IVF. Gautam Allahbadia, ed. 2008

“Infertility, Endometriosis and Chronic Pelvic Pain” in OB/GYN Mentor: Your Clerkship & Shelf Exam Companion, F.A. Davis Company, 4<sup>th</sup> Ed. 2009. Edited by Michael Benson. F.A. Davis Company; 4 edition, 2009

“Embryo Transfer Using the Soft Embryo Transfer Catheters” (with VC Karande) in Embryo Transfer, Anshan, Ltd. Edited by Gautam Allahbadia, 2009

“Current Management of Tubal Pregnancy” (with VC Karande) in Clinical Progress in Obstetrics and Gynecology. Jaypee Brothers Medical Publishers, Ltd., Edited by S Ray and D Shah. 2010

## **Panels**

2002 “Stem Cell Research: Science, Ethics and Policy.”  
Massachusetts General Hospital

2002 “Bioethics 2002: Facets of Humanity: the context of human innovation”  
Fifth Annual National Undergraduate Bioethics Conference, Boston University

2001 “Reproductive Technology and Ethical Concerns.”  
Harvard Medical School, Women’s and Children’s Health Clerkship

## **Courses Taught**

2001-04 Instructor, Tufts and New England Medical Center medical students

2001-03 Instructor, Harvard Medical School, HT070: “Human Reproductive Biology”

2002-04 Instructor, Harvard Medical School, Human Systems Course  
Endocrinology of Growth, Metabolism and Reproduction block

1992 Teaching Assistant, University of Chicago, Physical Diagnosis Course

## **Coursework**

2002	EPI200: Principles of Epidemiology Dr. Julie Buring, Harvard School of Public Health
2001	EXTD 300: Ethical and Policy Issues in Reproduction Dr. Adrienne Asch, Wellesley College
2001	SM707: The Social History of Medicine Dr. Alan Brandt, Dept. of Social History of Medicine Harvard University
2001	PHIL174: Recent Ethical Theory Dr. Melissa Barry, Dept. of Philosophy, Harvard University

## **Fluencies (Spoken and Written)**

Spanish, Hebrew

## **National Committee Affiliations**

2010 – 2012	Member, Committee on Ethics, American College of Obstetrics and Gynecology
2012 – 2014	Vice-Chair, Committee on Ethics, American College of Obstetrics and Gynecology
2014 – present	Chair, Committee on Ethics, American College of Obstetrics and Gynecology
2014 - present	ACOG representative to the American Academy of Pediatrics – Committee on Bioethics
2014 - present	ACOG representative to the American Society of Reproductive Medicine Ethics Committee

## **Board Affiliations**

2013-present Medical Advisory Board, Center for Jewish Genetics

## **Professional Affiliations**

American Society of Reproductive Medicine  
Society of Reproductive Endocrinology and Infertility  
American College of Obstetrics and Gynecology

## **Reviewer**

- Human Reproduction
- Fertility and Sterility

*Last Revised 1/27/15*