

CURRICULUM VITAE

NAME: Esther Eisenberg, MD, MPH

EDUCATION:

| | |
|---------------------------|---|
| September 1969- June 1972 | State University of New York at Stony Brook, Stony Brook, New York |
| July 1972- June 1973 | BA, City University of New York, Queens College, Flushing, New York Major area of study - English |
| July 1973- June 1976 | MD, Albert Einstein College of Medicine, Bronx, NY 10461; Major area of study - Medicine |
| July 1976- June 1980 | Residency in Obstetrics and Gynecology Department of Obstetrics and Gynecology, Tufts University School of Medicine, Boston, MA 02111 |
| January- February 1979 | Special Fellowship (2-month elective) Reproductive Endocrinology, Columbia University of Physicians and Surgeons, New York, NY (Preceptor: Dr. Ralph Jewelewicz) |
| July 1980- June 1982 | Fellowship in Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, Pennsylvania Hospital, University of Pennsylvania School of Medicine, Philadelphia, PA 19107 |
| January- June 1981 | Laboratory Instruction in Microvascular Surgery Pennsylvania Hospital, Philadelphia, PA |
| September- June 1981 | Statistics for Health Professionals Wharton School, University of Pennsylvania, Philadelphia, PA |
| September 1998- May 2000 | Master of Public Health, Vanderbilt University, Nashville, TN |
| January – May 2019 | National Institutes of Health Senior Leadership Program |

**LICENSURE AND
CERTIFICATION:**

Licenses:

| | | |
|---------------|------|---------------------------|
| Massachusetts | 1977 | Medical 41398 |
| Pennsylvania | 1980 | Medical 023953E |
| Tennessee | 1992 | Medical 022089 (inactive) |
| California | 2020 | Medical (current) |

Specialty Certification:

Diplomate, National Board of Medical Examiners 1976
Diplomate, American Board of Obstetrics and Gynecology 1983

Diplomate, Division of Reproductive Endocrinology, American Board of Obstetrics and Gynecology 1987
Voluntary Recertification in Obstetrics and Gynecology and Reproductive Endocrinology, ABOG -current
Certificate, Ethical and Regulatory Aspects of Clinical Research, National Institutes of Health, November 2016

ACADEMIC APPOINTMENTS:

| | |
|-------------------------|---|
| July 1977-June 1980 | Tufts University School of Medicine, Boston, MA Assistant Instructor, Department of OB/GYN |
| July 1980-June 1982 | University of Pennsylvania School of Medicine, Philadelphia, PA Lecturer, Department of Obstetrics and Gynecology |
| July 1982-June 1990 | University of Pennsylvania School of Medicine, Philadelphia, PA Assistant Professor of Obstetrics and Gynecology |
| July 1991-December 1991 | University of Pennsylvania School of Medicine, Philadelphia, PA Clinical Assistant Professor of Obstetrics and Gynecology |
| January 1992-June 1996 | Vanderbilt University School of Medicine, Nashville, TN Assistant Professor of Obstetrics and Gynecology |
| July 1996- June 2002 | Vanderbilt University School of Medicine, Nashville, TN Associate Professor of Obstetrics & Gynecology |
| July 2002-December 2014 | Vanderbilt University School of Medicine, Nashville, TN Professor of Obstetrics and Gynecology |
| March 2015-present | Vanderbilt University School of Medicine, Nashville, TN Professor Emerita of Obstetrics and Gynecology |
| December 2014-present | Fertility and Infertility Branch <i>Eunice Kennedy Shriver</i> National Institute of Child Health and Human Behavior, Division of Extramural Research, NIH Medical Officer, Fertility and Infertility Branch, Director of Reproductive Medicine and Infertility Program |

HOSPITAL APPOINTMENTS

| | |
|----------------------|--|
| July 1979- June 1980 | Administrative Chief Resident, Department of Obstetrics and Gynecology Tufts Affiliated Hospitals, Boston, MA |
| July 1982- June 1984 | Staff Physician, Department of Obstetrics & Gynecology Pennsylvania Hospital, Philadelphia, PA |
| July 1984- June 1987 | Assistant Obstetrician and Gynecologist Pennsylvania Hospital, Philadelphia, PA |

| | |
|----------------------------|--|
| July 1987- June 1991 | Associate Obstetrician and Gynecologist Pennsylvania Hospital, Philadelphia, PA |
| July 1982-December 1986 | Director, In Vitro Fertilization Program Pennsylvania Hospital, Philadelphia, PA |
| July 1984-December 1991 | Head, Section on Reproductive Endocrinology Department of Obstetrics and Gynecology Philadelphia, PA |
| January 1992-November 2014 | Staff Physician, Department Obstetrics & Gynecology Vanderbilt University Hospital |
| January 1992-December 2000 | Consultant Staff - Baptist Hospital, Nashville, TN |
| July 1994-December 2010 | Consultant Staff - Veteran's Administration Medical Center, Nashville, TN |
| January 1993-June 1998 | Medical Director, In Vitro Fertilization Program, Vanderbilt University Medical Center, Nashville, TN |
| April 1992-December 2014 | Medical Director, Therapeutic Donor Insemination Program, Vanderbilt University Medical Center, Nashville, TN |
| January 1994-December 1997 | Physician Manager, Vanderbilt Center for Reproductive Medicine The Vanderbilt Clinic, Nashville, TN |
| January 1994-June 1996 | Vanderbilt University Medical Center, Nashville, TN Acting Director, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics & Gynecology |
| July 1996-December 2014 | Vanderbilt University Medical Center, Director, Division of Reproductive Endocrinology & Infertility, Department of Obstetrics & Gynecology |

PROFESSIONAL ORGANIZATIONS

Fellow, American College of Obstetrics & Gynecology
American Society for Reproductive Medicine
The Endocrine Society
Society of Reproductive Endocrinology and Infertility

ACADEMIC OR PROFESSIONAL HONORS

| | |
|-----------|--|
| 1969-1973 | New York State Regents Scholar |
| 1981-1982 | ACOG/Mead Johnson Clinical Research Fellowship |
| 2001-03 | APGO/Mead Johnson Program for Postmenopausal Women Award |
| 1994 | American Fertility Society First Prize Video Award |

Eisenberg/page 4

- 1994 Sonohysterography: A Technique for the evaluation of the endometrial cavity. A Cullinan, AC Fleischer, J Vasquez, E Eisenberg, DM Kepple, An Arnold. San Antonio, TX.
American Fertility Society Third Place Prize Poster Winner
Role of Matrix Metalloproteinases in the Establishment of Ectopic Sites of Human Endometrium in the Nude Mouse. KG Osteen, KL Bruner, E Eisenberg, JM Vasquez, F Gorstein. San Antonio, TX.
- 1996 President's Prize Paper, District VII ACOG, New Orleans, LA, July 1996
- 2007 First Prize, Best Resident Research Paper, Vanderbilt University Department of Obstetrics and Gynecology. Dion D, Scott T, Eisenberg E. Changes in HRT Recommendations since the WHI Study
- 1998 Recognized as one of Nashville's "Top Docs", Nashville Life Magazine 10/98
- 2008-2014 Best Doctors in America recognized annually
- 2011 Selected by Peers as one of US News Top Doctors (Reproductive Endocrinology and Infertility)
- 2006-14 America's Top Obstetricians and Gynecologists recognized annually
- 2008 Award for Collaborative Excellence, Vanderbilt University Medical Center, Dept of Obstetrics and Gynecology
- 2009 Barbara Eck Menning Founders Award
National award presented annually to an individual or group who has demonstrated leadership in the field of infertility or infertility resolution. Awarded to Reproductive Sciences Branch, Center for Population Research, NICHD, NIH
- 2012 ASRM Service Milestone Award for 20 years of service to ASRM
- 2013 ASRM/IFFS 2013 Scientific Prize Paper award for research: "Effect of letrozole versus clomiphene on live birth in women with anovulatory infertility due to polycystic ovary syndrome (PCOS): a randomized double-blind multi-center trial" – NIH/NICHD Reproductive Medicine Network
- 2014 Finalist for Prize Paper session at ASRM Annual Meeting
- 2015 National Institutes of Health Merit Award for outstanding service in developing and implementing the NICHD Data and Specimen Hub
- 2015 National Institutes of Health Award of Merit for exceptional leadership as Project Scientist of the Reproductive Medicine Network
- 2016 NICHD Merit Award as member of Clinical Trials Stewardship Working Group
- 2016 National Center for Environmental Health/Agency for Toxic Substances and Disease Registry Award for Excellence in Partnering for successful efforts to increase awareness on the importance of lab standardization programs

| | |
|-----------|--|
| 2017 | ASRM Women's Council Distinguished Service Award |
| 2017 | NICHD Outstanding Mentor Award |
| 2014-2018 | Certificate of appreciation and recognition of contributions to the work of the College as Member of the CDRP-Gynecology, ACOG |
| 2018 | Clinical Trials Operations Workgroup (CTOW) Recognition Letter for outstanding contribution as member of the Randomization and Delivering Interventions Subcommittee |
| 2018 | Reviewer of the Year, Fertility and Sterility |
| 2018 | ASRM Suheil J. Muasher, MD Distinguished Service Award as member of Fertility and Infertility Branch of NICHD |
| 2018 | NICHD Merit Award for Reproductive Medicine Network |
| 2018 | NICHD Collaboration Award, Opioid Initiatives Working Group |
| 2019 | NIH Director's Award as member of the NICHD Impact Analysis Working Group |
| 2019 | NICHD Merit Award, Maternal Mortality Working Group |
| 2019 | NICHD Merit Award, Clinical Trials Risk Review Committee |
| 2020 | STAR Reviewer award, Fertility and Sterility for outstanding service and excellence as exemplary reviewer |
| 2021 | NICHD Collaboration Award for Menstruation and COVID 19 Vaccination Team; NICHD Merit Awards for Clinical Trials Risk Tracking Team and NICHD/NIDLLR Group |

PROFESSIONAL SERVICE and ACTIVITIES

Vanderbilt University Medical Center

1991- 2014 Educational, training and administrative committees for Department of Obstetrics and Gynecology Mentor to faculty, residents, and students at Vanderbilt University School of Medicine, and rotating students on elective, clinical preceptor for endocrinology fellows at VUMC Developed curriculum and Course Director of Sexuality and Reproductive Health Elective (2000-2012), Reproductive Endocrinology and Infertility elective (1998-2014) Developed curriculum (12 lectures) on Menopause and Reproductive Aging

American Society for Reproductive Medicine

1994-2016 Member, Sessions Management Committee, American Society of Reproductive Medicine
1997-2016 Member, Abstract Review Committee, ASRM (1997-present); Poster Prize Committee ASRM General Program Chair for Year 2000 ASRM meeting; Member, Poster Judging Committee, ASRM Annual Meeting, October 2005-2007
2008-2020 Member, Editorial Board, Fertility and Sterility

-Ad hoc Reviewer, Fertility and Sterility, Human Reproduction, Obstetrics and Gynecology, American Journal of Obstetrics and Gynecology, European Journal of Obstetrics & Gynecology and Reproductive Biology, American Society of Law, Medicine & Ethics, Mayo Clinical Proceedings, Evidence-based Obstetrics & Gynecology, American Journal of Epidemiology, Up-To-Date; Ad hoc reviewer of manuscripts, Johns Hopkins Press Health Division

2016- present Liaison to ASRM-NICHD CREST Program-mentorship of junior investigators on clinical research in reproductive endocrinology and infertility

National Institutes of Health

1998-2008 Reviewer, Scientific Review Panel for NIH/NICHD Multiple Special Study Sections

2008-2018 Project Scientist, NICHD Cooperative Reproductive Medicine Network

2010-present Representative of NICHD, PATH-Partnership Towards Accurate Testing of Hormones, Endocrine Society

2016-present NICHD Coordinator of the Clinical Research/Reproductive Scientist Training (CREST) Program

2013-2016 Member, Data and Safety Monitoring Board, PCOS_Act Clinical Trial. JAMA 2017;317(24):2502-14

American College of Obstetricians and Gynecologists

2010-present ACOG Committee work: Member, Committee on Gynecologic Practice (2010-2013), Gynecology Document Review Committee (2013-2017), Patient Education Review Panel (2017-present)

2013 Consultant to National Board of Medical Examiners - NSMLE Step 2 Standard Setting Committee

North American Menopause Society

2005-2007 Member, Professional Education Committee, North American Menopause Society (NAMS)
-Special Task Force on Advertising, NAMS; Member, Research Committee, NAMS; Abstract Review Committee

2010 Reviewer, HHS-Office of Public Health and Science, Embryo Donation/Adoption Program Review

2010 Scientific Program Committee and Abstract Review Committee, Society for Gynecologic Investigation
Member, Infertility Research Working Group of CDC Infertility National Action Plan

2008 Reviewer, The Netherlands Organisation for Health Research and Development (ZonMw)

2009 Reviewer, Grant application Association for International Cancer Research, United Kingdom-Long-term outcomes of Assisted Reproductive Technologies

2012-2016 Member, Data and Safety Monitoring Committee, PCOS-ACT Clinical Trial

2019 Federal ex officio member, Maternal Infant Health Quality Improvement Committee

2019 NIH Senior Leadership Training Program

Planning and Organizing Committees for NICHD Workshops

Is Fecundity Changing? September 2015 See Smarr MM, Sapra KJ, Gemmill et al. Is Human fecundity changing? A discussion of research and data gaps precluding us from having an answer. Hum Reprod, 2017: pp 1-6

NICHD Workshop on Research Opportunities in Health Systems Partnerships, Bethesda, MD, May 2016

NICHD/ASRM Workshop on Advancing Science and Practice to Improve Access to Reproductive Care, Salt Lake City, Utah, October 2016

Co-chair for NICHD Workshop on Maternal Mortality: Future Research Directions, May 2-3, 2019

Co-lead on NICHD contract to National Academy of Sciences, Engineering and Medicine on Birth Settings In America-Outcomes, Quality, Access, and Choice. Pre-published February 6, 2020.

Co-chair NICHD Idiopathic Non-aneuploid Early Pregnancy Loss Workshop. July 22-23, 2021

Funding Initiatives Developed

2016 Led initiative development of 'Characterization of the Adolescent Reproductive Transition', PA 16-314 R01 Research Project Grant, PA-16-315, R21 Exploratory Development Grant, PA-16-316, R03, Small Grant Program. <https://grants.nih.gov/grants/guide/pa-files/PA-16-314.html>

2017 Developed NICHD RFA SBIR initiative for Point of Care Technologies in reproduction and high-risk obstetrics and pediatrics

2018 Conceived and led the transition of the NICHD Cooperative Reproductive Medicine Network from a cooperative program (including Project Scientist from NICHD on Steering Committee) to an Investigator-initiated Linked-R01 Multisite Clinical Trial Program, Consortium for Infertility and Reproductive Medicine (ConFIRM)

2019 Led initiative development of 'Technologies to Advance Precision Medicine Diagnosis and Treatment of Infertility, Reproductive Tract and Gynecologic Disorders Affecting Fertility (R43/R44 Clinical Trial Optional)' <https://grants.nih.gov/grants/guide/rfa-files/RFA-HD-20-010.html>

Public Service Education Seminars

"Assisted Reproductive Techniques", "Age-related Infertility and Recurrent Miscarriage", Women's Health Seminar, Vanderbilt University Medical Center, Nashville, TN, October 3, 1992

"Evaluation of Infertility", RESOLVE, Nashville, TN, May 12, 1992

"Endometriosis", Infertility", "Osteoporosis and Cardiovascular Risks of Estrogen Deficiency", Women's Health/Infertility Seminar, Vanderbilt University Medical Center, Nashville, TN, February 25, 1993

"Osteoporosis and Cardiovascular Risks of Estrogen Deficiency", Women's Health/Infertility Seminar, Vanderbilt University Medical Center, Nashville, TN, June 24, 1993.

"IVF: Advances and New Developments," Women's Health/Infertility Seminar, Vanderbilt University Medical Center, Nashville, TN, December 12, 1994

"Infertility", Women's Health Series, Margaret Cuninggim Women's Center, Nashville, TN, April 19, 1995.
Panelist, Medical Resources for Girl's Symposium, Today's Girls in Tomorrow's World, Harpeth Hall School, Nashville, TN, March 1-2, 1996
Speaker, for Resolve, Understanding Statistics Related to Assisted Reproductive Technologies, Nashville, TN, September, 1996; New Developments in Infertility Treatment, January 1998
9. Faculty, Adult Education Series, University School of Nashville, Topic "Menopause Is It Hot or Is It Me?" 2/1997, 2/1998, 2/1999
Guest Appearance on Channel 5 Morning Line news program regarding reproduction and fertility research, January 1998
Interviewed and quoted by Woman's Day, Parents, Redbook, Vogue (2019) New York Times(2019) and Wall Street Journal(2016)
Guest Appearances on Nashville Channel 2 Morning Program regarding Osteoporosis in Women, October 1999.
Guest Appearance on Nashville Channel 5 Medical Monday Open Line Program on Menopause, June 18, 2001; Program on Endometriosis 7/23/01, and Talk of the Town interview 11/20/01; interview 9/22/03 on hormone replacement therapy, 1/9/04 to discuss hysterectomy
Guest Editorial in The Tennessean on Long-acting Contraception for women. 6/2009.
Interviewed by Channel 5 News regarding Adverse Consequences of HRC hormone treatment.12/2011

LECTURES BY INVITATION

1. Reproductive Effects of in Utero Diethylstilbestrol Exposure. Grand Rounds, Department of OB/GYN, Lankenau Hospital, Philadelphia, Pennsylvania, August 19, 1987
2. In vitro Fertilization and Gamete Intra-fallopian Transfer: A Conference on Infertility, Thomas Jefferson University, Philadelphia, PA, October 10, 1987
3. Estrogen Replacement Therapy, Central New York Academy of Medicine, Utica, NY, October 28, 1987
4. DES and Reproductive Effects. OB/GYN Section Central New York Academy of Medicine, Utica, NY, October 28, 1987
5. Secondary Amenorrhea and Related Menstrual Disorders. Professional Staff Conference U.S. Army Medical Department, Fort Dix, NJ, March 23, 1988
6. Cardiovascular Effects of the Menopause Poughkeepsie, NY, October 19, 1988
7. Cardiovascular Effects of the Menopause, Albany, NY, November 2, 1988
8. Reproductive Options (Ova Donation) for Turner's Syndrome, Hahnemann University Hospital, Philadelphia, PA, June 24, 1989
9. Controversial Issues Related to Menopause, Grand Rounds, Dept. of Medicine, Medical College of Pennsylvania Philadelphia, PA, July 6, 1989
10. Hormonal Replacement Therapy in the Menopause, Grand Rounds, Dept. OB/GYN, Woodhull Hospital, Brooklyn, NY, July 7, 1989
11. Lasers In Infertility, Pennsylvania Hospital Women's Health Care Conference, Grand Cayman, British West Indies, February 18, 1990
12. Old Problems/New Directions: Recent Innovations in GYN Infertility Practice, PA Hospital Women's Health Care Conference, Grand Cayman, BWI, February 18, 1990
13. Cardiovascular Changes in Menopause, Grand Rounds, St. Agnes Hospital Philadelphia, PA, March 28, 1990
14. Osteoporosis in Relation to Menopause, Bedford County Medical Society, Bedford, PA, May 17, 1990
15. Osteoporosis-Prevention and Treatment, Grand Rounds, St Joseph's Hospital, Chicago. Hospital, Chicago, IL, June 20, 1990
16. Infertility in the Older Woman, Round Table-The American Fertility Society, Washington, DC, October 15, 1990
17. Induction of Ovulation, Department OB/GYN, Geisinger Medical Center, Danville, PA, November 14, 1990
18. Reproductive Problems in the Older Woman, OB/GYN Grand Rounds, Grady Memorial Hospital, Emory Medical School, Atlanta, GA, November 19, 1990
19. Hip Fracture: Osteoporosis, Nashua Memorial Hospital, NH, November 29, 1990

20. Infertility in the Older Woman, Grand Rounds, University of Maryland School of Medicine, Baltimore, MD, December 7, 1990
21. Infertility in the Older Woman - Round Table, American Fertility Society, Orlando, FL, October 21, 1991.
22. The Menopause, OB/GYN Rounds, Good Samaritan Hospital, Lebanon, PA, December 11, 1991
23. In Vitro Fertilization, an Overview and Update, OB/GYN Grand Rounds, Hahnemann University Hospital, Philadelphia, PA, January 24, 1992
24. Infertility in the Older Woman, Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, March 28, 1992
25. Unexplained Infertility - Evaluation and Treatment, - OB/GYN Conference, Clarksville Memorial Hospital, Clarksville, TN, May 29, 1992
26. Age-Associated Infertility and Reproductive Failure, Ob/Gyn Conference, Baptist Hospital, Nashville, TN, June 17, 1992
27. New Methods of Assessing Luteal Dysfunction, American Fertility Society, Round Table, New Orleans, LA, November 2, 1992
28. Osteoporosis - A Preventable Tragedy, Ob/Gyn Grand Rounds, Medical College of Georgia, Augusta, GA, January 7, 1993
29. Recurrent Pregnancy Loss, Physician Practicum, Vanderbilt University Medical Center, Nashville, TN, March 5, 1993
30. Diagnosis and Treatment of Male Infertility, Physician Practicum, Vanderbilt University Medical Center, Nashville, TN, April 16, 1993
31. Recurrent Pregnancy Loss", Mountain Update in Women's Health - Reproductive Endocrinology and Infertility, Johnson City, TN, April 23, 1993
32. Management of Recurrent Abortion, The Stork Club Vanderbilt Ob/Gyn Society 5th Reunion, Opryland Hotel, Nashville, TN, April 24, 1993
33. Menopausal Issues, Spring Update for Women's Health, Co-sponsored by Emory University Regional Training Center for Family Planning, Nashville, TN, May 21, 1993
34. Current Reproductive Health Issues for Clinicians, Nashville, TN, May 21, 1993.
35. Postmenopausal Replacement Therapy: Rationale, Risk Factors and Follow Up, 1993 Family Medicine/Primary Care Update, Vanderbilt University Medical Center, Nashville, TN, June 18, 1993
36. Infertility, Ob/Gyn Grand Rounds, Bowling Green Medical Center, Bowling Green, KY, September 21, 1993
37. Recurrent Miscarriages, AWHONN District VII Conference, Nashville, TN, September 21, 1993.
38. Infertility and New Assisted Reproductive Technologies, Endocrinology Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, October 5, 1993
39. Evaluation and Treatment of Infertility in the Older Woman, Round Table, American Fertility Society, Montreal, Canada, October 14, 1993
40. Menopause-Risks and Benefits of Hormone Replacement, Vanderbilt University Medical Center Postgraduate Course, New Developments in Gynecology, October 30, 1993
41. Menopause-Hormone Replacement Therapy: An Overview, Virginia Beach Family Practice Meeting, Virginia Beach, VA, November 9, 1993
42. Estrogen Replacement Therapy, Ob/Gyn Grand Rounds, D.C. General Hospital, Washington, D.C., January 26, 1994
43. Assisted Reproductive Technology and Male Infertility, 5th Annual WF Bernell James Ob/Gyn Symposium, Meharry Medical College, Nashville, TN, February 13, 1994
44. New Assisted Reproductive Technologies, Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, March 30, 1994
45. General Management of Infertility, Medical Conference, Bedford County General Hospital, Shelbyville, TN, August 11, 1994
46. Utility of Transvaginal Ultrasound in Reproductive Gynecologic Practice, Round Table, American Fertility Society, San Antonio, TX, November 7, 1994

47. New Developments in Continuous Hormone Replacement, Symposium on Primary Care Medicine for Ob/Gyn, Baptist Center for Medical Education, Nashville, TN, April 28, 1995
48. Update on Birth Control, 12th Annual Family Medicine/Primary Care Update, Vanderbilt University Medical Center, Nashville, TN, May 18-21, 1995
49. The Problem Post Menopausal Patient, 7th Annual Lonnie S. Burnett Vanderbilt Ob/Gyn Society, Nashville, TN, June 16, 1995
50. Management of Post-reproductive Problems, Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, September 13, 1995
51. Hypermenorrhea: Diagnosis, Evaluation and Medical Management, ACOG District VII Annual Meeting, Opryland Hotel, Nashville, TN, September 18, 1995
52. Ultrasound in Reproductive Gynecologic Practice, Round Table, American Society of Reproductive Medicine, Seattle, WA, November 11, 1995
53. Hormone Replacement Therapy and the Older Woman, Satellite Symposium at the 1996 Annual Meeting of the American Geriatrics Society, Chicago, IL, May 2, 1996
54. Hormonal Replacement in the Postmenopausal Period, 13th Annual Family Medicine/Primary Care Update, Vanderbilt University Medical Center, Nashville, TN, May 18, 1996
55. Osteoporosis: ERT vs. Biphosphonates, 8th Annual Lonnie S. Burnett Vanderbilt Ob/Gyn Society Meeting, Amelia Island, FL, June 8, 1996
56. Hysteroscopic Surgery in Reproductive Endocrinology and Infertility, American Society for Reproductive Medicine, Boston, MA, November 6, 1996
57. Management of Hysteroscopic Complications. Ob-Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, November 20, 1996
58. Infertility. Harton Regional Medical Center, Tullahoma, TN, January 30, 1997
59. Menopause: New Developments 1997. Ob/Gyn Grand Rounds, Meharry Medical College, School of Medicine, Nashville, TN, April 7, 1997
60. Menopause Management. 14th Annual Family Medicine Primary Care Update. Vanderbilt University Medical Center, Nashville, TN, May 17, 1997
61. Assisted Reproductive Techniques: The Present and the Future. 1997 Lonnie S. Burnett Vanderbilt Ob-Gyn Society Meeting. Vanderbilt University Medical Center, Nashville, TN, June 13, 1997
62. Update on Menopause Management. Stark County Ob/Gyn Society. Canton, OH, November 19, 1997
63. Contraceptive Update. 15th Annual Family Medicine Primary Care Update, Vanderbilt University Medical Center, Nashville, TN, May 16, 1998
64. Medical Management of Endometriosis. 10th Annual Lonnie S. Burnett Society Meeting, Lake Lanier, GA, June 20, 1998
65. Clinical Management of Endometriosis. Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, March 17, 1999
66. Progesterone Use in Hormone Replacement, Nashville, TN, April 23, 1999
67. Assisted Reproductive Technologies. National Association of Neonatal Nurses, Nashville, TN, August 3, 1999
68. Osteoporosis: Same Old Song, Different Tune, New Therapies. The Arthritis Foundation, Nashville, TN, September 10, 1999
69. Options for Prevention and Treatment of Osteoporosis, Round Table, American Society of Reproductive Medicine, Toronto, Canada, September 28, 1999
70. Discussant of Prize Paper for Society of Reproductive Endocrinology at ASRM Meeting, Toronto, Canada. September 30, 1999
71. Menopausal Hormone Replacement Therapy, Ob/Gyn Grand Rounds, Albert Einstein Medical Center, Philadelphia, PA, March 1, 2000
72. Dysfunctional Uterine Bleeding, A Clinical Perspective, Endocrinology Grand Rounds, Vanderbilt University Medical Center, Nashville, TN May 9, 2000

73. Evidence-Based Therapy of Menopausal Osteoporosis, Medicine Grand Rounds, Carroway Medical Center, Birmingham, AL, May 16, 2000
74. Update on Osteoporosis CME program, Nashville, TN June 8, 2000
75. New Developments in Menopausal HRT, Lonnie S. Burnett Vanderbilt Ob/Gyn Society, Amelia Island, FL, June 22, 2000
76. Menopause, Hormone Replacement Therapy and Alternatives, Sixth Annual Women's Health Forum, Anderson, SC, August 26, 2000
77. Prevention and Treatment of Osteoporosis, Round Table, American Society of Reproductive Medicine, San Diego, CA, October 23, 2000
78. Hormone Replacement Therapy: Perception and Reality, Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, March 28, 2001
79. Women's Health: A Comprehensive Approach Conference, Menopausal Hormone Replacement, and Osteoporosis. East Tennessee State University, Johnson City, TN, April 20, 2001
80. Faculty, 2001 Lonnie S. Burnett Vanderbilt OB/GYN Society. Clinical program in Reproductive Endocrinology, Nashville, TN, June 9, 2001
81. Dysfunctional Uterine Bleeding. Medical Education Resources CME program. Banff, Canada. August 9, 2001
82. Practical Considerations in Hormone Replacement Therapy. American GYN Club, 2001 Annual Meeting, Nashville, TN October 6, 2001
83. New Developments in Osteoporosis. Round Table, American Society of Reproductive Medicine, Orlando, FL October 22, 2001
84. Menopausal Hormone Replacement Therapy: An Overview. Obstetric and Gynecology Grand Rounds, Murfreesboro Veterans Affairs Medical Center, Murfreesboro, TN, February 8, 2002
85. Practical Considerations for Menopausal Therapy. Obstetrics and Gynecology Grand Rounds, University of Tennessee Medical Center, Knoxville, TN, March 8, 2002
86. Perimenopause. Primary Care Update, Vanderbilt University Medical Center, Nashville, TN, May 19, 2002
87. Hormone Replacement Therapy and Prevention: A Debate. East Tennessee State University, Johnson City, TN, September 26, 2002
88. Update on Hormone Replacement Therapy: Round Table Discussion, Thomas E. Brittingham Society-2002 Reunion, Vanderbilt University Medical Center, Nashville, TN October 25, 2002
89. The WHI Study: Impact on Osteoporosis. Bone Club CME, Western Baptist Hospital, Paducah, KY, February 27, 2003
90. HRT Revisited 2003: A Paradigm Shift. Medical Grand Rounds, Jennie Stuart Medical Center, Hopkinsville, KY, March 5, 2003
91. Overview of WHI: Implications for HRT. Obstetrics and Gynecology Grand Rounds, Vanderbilt University, Nashville, TN, March 7, 2003
92. SERMs: An Overview. Obstetrics and Gynecology Grand Rounds, University of Louisville, Louisville, KY, March 12, 2003
93. The Impact of the Women's Health Initiative on Osteoporosis, 31 Annual AAPA Conference, New Orleans LA May 26, 2003
94. Diabetes and Menopause. Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN November 21, 2003
95. Faculty, Challenges in Gynecology, CME program sponsored by Symposia Medicus, New York, NY December 19-21, 2003
96. Diabetes and Menopause. Ob/Gyn Grand Rounds, Meharry Medical Center, Nashville, TN. March 4, 2004
97. The Women's Health Initiative: A clinical perspective. Primary Care Update, Vanderbilt University, Nashville, TN, May 20, 2004
98. What's a Woman to do? Choices for Postmenopausal Osteoporosis. Osteoporosis: Practical Cases for the Office Practitioner. Vanderbilt University Medical Center, Nashville, TN 7/30/04
99. Clinical implications of WHI. Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN, 11/19/04

100. New Developments in Contraception. Lonnie Burnett Society, Vanderbilt University Medical Center, Nashville TN, October 2005
101. Menopause Management. 2006 Annual Meeting American Psychiatric Association, Toronto, ON 5/21/06
102. Ethics in Research Seminar. Stem Cell Research: The Korean Debacle. Vanderbilt University Medical Center, June 2006
103. Polycystic Ovarian Syndrome: Clinical Evaluation and Management. Gateway Medical Center Ob/Gyn Grand Rounds, Clarksville, TN May 2007
104. Discussant-Abstract O-123, Assessment of Antimullerian Hormone levels in Prepubertal Children undergoing Gonadotoxic Chemotherapy; 63rd American Society of Reproductive Medicine. Washington DC, 10/16/07
105. Discussant. Emphasis Forum III Vanderbilt University School of Medicine, April 22, 2008
106. Hormonal Contraception. Miami Ob/Gyn Society. President's Guest Lecturer. Miami, FL, October 2008
107. Menopause Management: Postmenopausal Hormone Therapy. University of Tennessee Medical Center at Memphis, Memphis, TN 1/9/09
108. Infertility: Time is of the Essence 2011. Ob/Gyn Grand Rounds, Wayne State University Medical Center, Detroit, MI March 1 2011
109. Menopause Management. Vanderbilt Health Williamson Lecture Series CME. Cool Springs, TN 6/2/11
110. CREST Symposium. Panel member. American Society of Reproductive Medicine, Orlando, FL 10/19/11
111. Evaluation and treatment of dermatologic manifestations of Hyperandrogenism and PCOS. Dermatology Grand Rounds. Vanderbilt University Medical Center, 9/29/13
112. Polycystic Ovary Syndrome: Characteristics and Outcomes of an Infertility Treatment Trial. Ob/Gyn Grand Rounds, Vanderbilt University Medical Center, Nashville, TN 11/15/13
113. Contemporary Management of Polycystic Ovary Syndrome. South Central Obstetrics and Gynecologic Society, Nashville, TN 5/2/14
114. An Evidence Based Approach to Management of Infertility. Grand Rounds. Georgia Regents University, Augusta, GA 4/1/15
115. Navigating the NIH. New Investigator Career Development Forum, 63rd Annual Meeting of Society of Reproductive Investigation, Montreal Canada, March 2016
116. Discussant, Fertility Status and Overall Health NICHD-CDC Workshop, Bethesda, MD, April 2016
116. Reproductive Medicine Network Update, Fertility and Infertility Branch Director's Meeting, NICHD, Bethesda Maryland, May 2016
117. On-line Presentation--NICHD: Taking Aim at Endometriosis- Videocast April 2015.
<https://www.nichd.nih.gov/news/profiles/KnowNICHD/eisenberg/Pages/default.aspx>
118. Society of Reproductive Investigation seminar- The NICHD Cooperative Reproductive Medicine Network: From Concept to Clinical Practice, Paris, France March 2019.
119. Meet the NICHD Program Directors, Presentation at The Endocrine Society, 2016-2020 annually.

RESEARCH:

- | | |
|------|--|
| 1993 | Principal Investigator, ICI Pharmaceuticals Group, "A Multi center Trial Comparing 3.6 mg ZOLADEX Therapy with or Without Hormone Replacement Therapy for the Treatment of Endometriosis". |
| 1994 | Co-Investigator, Evaluation of the Safety and Effectiveness of HAL-F Bioresorbable Membrane in Limiting Postoperative Adhesion Formation to Serosal Tissue (Genzyme). |
| 1994 | Co-Investigator, Evaluation of Safety and Efficacy of Metrodin HP Administrated by Subcutaneous Route to WHO Group II Anovulatory Infertile Women (Serono). |

- 1999-2000 Co-investigator, Parke-Davis Research, BELLES Study, a multi-center trial beyond endorsed lipid lowering with EBCT scanning.
- 2001-02 Principal Investigator APGO/MEAD Johnson Program for Postmenopausal Women, Development of a curriculum combining menopause and epidemiologic concepts for Ob/Gyn residency training. Award: \$15,000.
- 2003-05 Investigation of Hot Flashes among women treated for prevention of osteoporosis with raloxifene
- 2008-present Project Scientist of the Reproductive Medicine Network, Fertility and Infertility Branch, NICHD
- 2011-2014 Co-Investigator on NIA Grant (Paul Newhouse, MD Principal Investigator)
- 1 RO1 ES014942-04 Osteen (PI); 9/1/06-6/30/11, NIH/NIEHS
Dioxin Exposure and the Invasive Pathogenesis of Endometriosis
This project will more closely examine the potential role of TCDD in the pathogenesis of endometriosis, particularly about developing an understanding of the inflammatory-like effects of this toxin.
Role: Co-Investigator
- R01 HD055648-03 Osteen (PI); 5/1/07-3/31/12, NIH/NICHD
Loss of Complement-Protective CD55 Expression in Endometriosis
The goals of this project are to examine regulation of endometrial CD-55 expression in women with endometriosis and determine whether altered regulation of this protein plays an immunological role in the pathogenesis of this disease.
Role: Co-Investigator
- U54 HD052668-03 Taylor (PI)/ NICHD Osteen (subcontract); 4/1/07-3/31/12, NIH/
Center for Endometrial Biology and Endometriosis-Consortium
The major goals of project 3 within the SCCPRR center grant (at Yale University School of Medicine) is to examine whether a chronic pattern of epithelial dominant cell-cell communication within the eutopic endometrium of women with endometriosis acts to reduce progesterone-mediated tissue maturation and whether epithelial-derived factors promote the invasive capacity of human endometrial tissues in a chimeric model of endometriosis. Our chimeric model of endometriosis will also be offered as a core service to other projects with the Yale SCCPRR.
Role: Co-Investigator
- U54 HD37321 Osteen (PI); 4/15/99-3/31/05, NIH/NICHD
Uterine Biology and the Pathophysiology of Endometriosis
This project investigated the regulation of MMPs by progesterone and progesterone-mediated factors in the establishment and progression of endometriosis.
Role: Consultant
- G7041337 Osteen (PI); 12/15/97-12/14/02, Environmental Protection Agency
Dioxin and Steroid Regulation in an Endometriosis Model
TCDD (dioxin) has been linked to the development of endometriosis. The studies in this grant focused on the ability of TCDD to disrupt progesterone action in vitro and in a nude mouse model of endometriosis.
Role: Consultant
- HOPE Study Eisenberg (PI); 1995-1998, Wyeth-Ayerst Research
A prospective, double-blind randomized study of the safety and efficacy of lower doses of Premarin and Medroxyprogesterone acetate in postmenopausal women (HOPE study)
Role: Principal Investigator at Vanderbilt site

PUBLICATIONS

1. Eisenberg E: Towards an understanding of reproductive function in anorexia nervosa. *Fertil Steril* 36:543-550,1981.
2. Eisenberg E, Farber M, Turksoy N, Mitchell GW: Complete duplication of the uterus and cervix with a unilaterally imperforate vagina. *Obstet Gynecol* 60:259-262,1982.
3. Wallach EE, Manara LR, Eisenberg E: Experience with 143 cases of tubal surgery. *Fertil Steril* 39:609-617, 1983.
4. Eisenberg E: Fertility Problems of DES Daughters. *Contemporary OB/GYN*, 197-199, August 1983.
5. Wallach EE, Beck WW, Eisenberg E, Hammond CB. Ethical Considerations in Treating Infertility. *Contemporary Ob/Gyn*, 226-234, March 1984.
6. Eisenberg E, Kitai H, Kobayashi Y, Santulli R, and Wallach EE: Gonadotropin-releasing hormone: Effects on the in vitro perfused rabbit ovary. *Biol Reprod* 30:1216-21, 1984.
7. Eisenberg E, Wallach EE: In vitro fertilization and embryo transfer. *Postgraduate OB/GYN*, September 1985.
8. Corson SL, Batzer F, Eisenberg E, English ME, White SM, Laberge Y, and Go K: Early experience with the GIFT procedure. *J Reprod Med*, 31:219-223, 1986.
9. Eisenberg E: Diethylstilbestrol's effect on fertility. *Contemporary OB/GYN*, 35-48, May 1987.
10. Eisenberg E : DES-Reproductive Effects. *Postgraduate OB/GYN*, 1-5, May 1988.
11. Eisenberg E: Luteal Phase Insufficiency in Endometriosis. *Seminars in Reproductive Endocrinology*, 6:251-255, 1988.
12. Corson SL, Dickey RP, Gocial B, Batzer FR, Eisenberg E, Huppert L, Maislin G: Outcome in 242 in vitro fertilization-embryo replacement or gamete intrafallopian transfer-induced pregnancies. *Fertil Steril* 51:644-650, 1989.
13. Corson SL, Batzer FR, Gocial B, Daly DC, Eisenberg E, Huppert LC, Maislin G: Surgical treatment of endometriosis at the time of gamete intrafallopian transfer. *J Reprod Med* 36:274-278, 1991.
14. Corson SL, Batzer FR, Gocial B, Eisenberg E, Huppert LC, Nelson JR: Leuprolide acetate-prepared in vitro fertilization-gamete intrafallopian transfer cycles: efficacy versus controls and cost analysis. *Fertil Steril*, 57:601-605, 1992.
15. Fleischer AC, Kepple DM, Vasquez J, Eisenberg E: Conventional and color-Doppler transvaginal sonography of anatomy and physiology related to gynecologic infertility, *Lippincott's Reviews: Radiology* 1:500-509, 1992.
16. Vasquez JM, Eisenberg E, Osteen KG, Hickerson D, and Diamond MP: Laparoscopic ablation of pelvic endometriosis and adhesions using the cavitation ultrasonic surgical aspirator (CUSA). *The Journal of the American Association of Gynecologic Laparoscopists* 1:52-59,1993.
17. Hargrove JT, Eisenberg E, Fleischer AC, Cullinan JA, Diamond MP: Case Report: Utility of the transvaginal sonohysterography in the diagnosis and management of an endometrial polyp during a single office encounter. *J Gynecol Tech* 1:95-8, 1995.2014
18. Eisenberg E, Peri and Postmenopausal Pregnancy. *Infertility and Reproductive Medicine Clinics of North America*. In *Infertility and Reproductive Medicine Clinics of North America*, 5:819-28, October, 1994.

19. Hargrove JT, Eisenberg E: Menopause, in *Medical Clinics of North America*, 79:1337-56, November, 1995.
20. Orhan E, Eisenberg E: Risk/benefit analysis of hormone replacement in the menopausal woman. In *Infertility and Reproductive Medicine Clinics of North America*, Vol 6, No 4, October 1995.
21. Eisenberg E, editor for *Menopause, Infertility and Reproductive Medicine Clinics of North America*, WB Saunders, Philadelphia, 6:4, Oct. 1995.
22. Diamond MP, Eisenberg E, et al: Reduction of Adhesions after Uterine Myomectomy by Seprafilm (HAL-F). A Blinded, Prospective, Randomized, Multicenter, Clinical Study. *Fertil Steril*, 66 (6):904-10, 1996.
23. Fleischer AC, Vasquez JM, Cullinan JA, Eisenberg E: Sonohysterography Combined with Sonosalpingography: Correlation with Endoscopic Findings in Infertility Patients, *J Ultrasound Med*. 16:381-384, 1997.
24. Bruner KL, Eisenberg E, Gorstein F, Osteen KG: Progesterone and Transforming Growth Factor-*B* Coordinately Regulate Suppression of Endometrial Matrix Metalloproteinases in a Model of Experimental Endometriosis. *Steroids* 64:648-653, 1999.
25. Hinds S, Eisenberg E, Diamond MP, Reed G. Validations of Antisperm Antibody Testing in frozen Sperm. *J Gynecol Tech*. June 1998.
26. Bruner KL, Ong D, Eisenberg E, Osteen KG. Progesterone regulation of endometrial MMP-3 expression requires the cooperative action of transforming growth factor-B and retinoic acid. *Biol Reprod* 60 (Suppl 1):272, 1999.
27. Bruner-Tran KL, Rier S, Eisenberg E, Osteen KG. The Potential Role of Environmental Toxins in the Pathophysiology of Endometriosis. *Gynecol Obstet Invest* 48(suppl 1):45-56, 1999.
28. Eisenberg E. Commentary. Tibolone reduced menopausal symptoms with less bleeding compared to continuous estrogen/progesterone. *Evidence-based Obstetrics and Gynecol* 1999:1, 96.
29. Eisenberg E. Commentary. Tibolone increased bone mineral density in postmenopausal women with osteoporosis and a previous fracture. *Evidence-based Obstetrics and Gynecol* 1999:1,125.
30. Parker EE, Domm JA, Reed GW, German DC, Eisenberg E: Factors affecting Access to Menopause Information. *Menopause* 7:62-67, 2000.
31. Keller NR, Sierra-Rivers E, Eisenberg E, Osteen KG: Progesterone Exposure Prevents Matrix Metalloproteinase3 (MMP-3) Stimulation by Interleukin-1 α (IL-1 α) in Human Endometrial Stromal Cells. *J Clin Endocrin Metab*. 85:1611-1619, 2000.
32. Osteen KG, Bruner-Tran KL Ong DE, Eisenberg E. Progesterone or retinoic acid treatment of human endometrial tissue reduces basal and cytokine stimulated MMP expression and increases TIMP-1 expression. *Biol Reprod* (Suppl) 62:230, 2000.
33. Diamond MP et al: Serum Electrolytes, Chemistries and Blood Cell Counts after Gynecologic Surgery in Healthy Women, *Journal of Gynecologic Techniques*. June 2000.
34. Osteen KG, Bruner-Tran KL, Keller NR, Eisenberg E. Progesterone-mediated endometrial maturation limits matrix metalloproteinase (MMP) expression in an inflammatory-like environment: a regulatory system altered in endometriosis. *Ann N Y Acad Sci*. 2002 Mar: 955:37-47; discussion 86-8, 396-406.PMID:11949963

35. Osteen KG, Bruner-Tran KL, Ong D, Eisenberg E. Paracrine mediators of endometrial matrix metalloproteinase expression: potential targets for progestin-based treatment of endometriosis. *Ann N Y Acad Sci.* 2002 Mar; 955:139-46; discussion 157-8, 396-406.
36. Eisenberg E. Commentary. Intranasal estradiol for menopausal symptoms. *Evidence-based Obstetrics and Gynecol.* March, 2000
37. Domm JA, Parker EE, Reed GW, German DC, Eisenberg E: Factors affecting Access to Menopause Information. *Menopause Digest* 13:21, 2001
38. Eisenberg E. Initial Management of Postmenopausal Bleeding. *OBG Management.* 14:60-68, 2002.
39. Eisenberg E. Commentary. Women continuing estrogen therapy initiated after age 60 had increased bone mineral density compared to non-users. *Evidence-based Obstetrics and Gynecology* 4:98-99, 2002
40. Bruner-Tran KL, Eisenberg E, Yeaman GR, Anderson TA McBean J, Osteen KA. Steroid and Cytokine Regulation of Matrix Metalloproteinase Expression in Endometriosis and the Establishment of Experimental Endometriosis in Nude Mice. *J Clin Endocrinol Metab* 87:4782-4791, 2002.
41. Eisenberg, E. Commentary. Raloxifene, in contrast to HRT, did not induce endometrial thickening or vaginal bleeding in postmenopausal women. *Evidence-based Obstetrics and Gynecology.* November 2003.
42. Eisenberg, E. Diabetes and Menopause. *Postgraduate Obstetrics and Gynecology* 24:1-8, March 2004.
43. Eisenberg, E. Commentary. Estradiol vaginal rings were an effective treatment for postmenopausal vasomotor symptoms. *Evidence-based Obstetrics and Gynecology.* September 2004.
44. Osteen KG, Bruner-Tran KL, Eisenberg E. Reduced progesterone action during endometrial maturation: a potential risk factor for the development of endometriosis. *Fertil Steril* 83:529-537, 2005.
45. Eisenberg E, Craig, AS, Gautam S, Khalil MM, Shaktour B, Schaffner W, Griffin MR. Beyond Screening - Identifying New Barriers to Early-onset Group B Streptococcal Disease Prevention. *Pediatr Infect Dis J.* 24:520-524, 2005.
46. Igarashi TM, Bruner-Tran KL, Yeaman GR, Lessey BA, Edwards DP, Eisenberg E, Osteen KG. Reduced expression of progesterone receptor-B in endometrium of women with endometriosis and in co-cultures of endometrial cells exposed to 2,3,7,8-tetrachlorobenzo-p-dioxin. *Fertil Steril* 84:67-74, 2005.
47. Osteen KG, Bruner-Tran KL, Eisenberg, E. Endometrial biology and the etiology of endometriosis. *Fertil Steril* 84: 33-4, 2005.
48. Bruner-Tran KL, Zhang Z, Eisenberg E, Winneker RC, Osteen KG. Down-regulation of Endometrial MMP-3 and MMP-7 Expression in vitro and Therapeutic Regression of Experimental Endometriosis in vivo by a Novel Nonsteroidal Progesterone Receptor Agonist, Tanaproget. *J Clin Endocrinol Metab.* 91:1554-60; 2006.
49. Eisenberg E, Commentary. Women undergoing hysterectomy before age 65 derive survival benefit from ovarian conservation, in *First to Know, The North American Menopause Society (NAMS)*, February 2006. www.menopause.org

50. Eisenberg E, Commentary. No association between age at menopause or menarche and breast cancer risk in BRCA1/2 carriers, in First to Know, The North American Menopause Society (NAMS), July 2007. www.menopause.org
51. Eisenberg E. Opinion/Other Views. "New drug is part of changes over time." The Tennessean, Section A, p 8, June 5, 2007.
52. Eisenberg E. Commentary. Estrogen plus progestin and breast cancer detection by means of mammography and breast biopsy., in First to Know, The North American Menopause Society, April 24,2008. www.menopause.org
53. Eisenberg E. Commentary. Ovarian Conservation at the Time of Hysterectomy and Long-Term Health Outcomes in the Nurses' Health Study, in First to Know, The North American Menopause Society, July, 2009. www.menopause.org
54. Eisenberg E. Commentary. Lower-dose estradiol for advanced breast cancer patients, in First to Know, The North American Menopause Society, December 22, 2009. www.menopause.org
55. Zhang H, et al. Decision Trees for Identifying Predictors of Treatment Effectiveness in Clinical Trials and Application to Ovulation in a Study of women with Polycystic Ovary Syndrome. Hum. Reprod. 25;2612-21,2010
56. Toward Excellence in Testosterone Testing: A Consensus Statement. J Clin Endocrinol Metab 95:4542-4548, 2010
57. Legro RS et al. Total Testosterone Assays in Women with Polycystic Ovary Syndrome: Precision and Correlation with Hirsutism. J Clin Endocrinol Metab. 95:5305-13; 2010. PMID:20826578
58. Eisenberg E. Commentary. Breast Cancer Therapy and Amenorrhea. in First to Know. The North American Menopause Society. July 27, 2010. www.menopause.org/news/news0710.pdf
59. Schlaff WD, Zhang H, Diamond MP et al. Increasing burden of institutional review in multicenter clinical trials of infertility: the Reproductive Medicine Network experience with the Pregnancy in Polycystic Ovary Syndrome (PPCOS) I and II studies. Fertil Steril 2011; 96:15-18.
60. Casson PR, Krawetz SA, Diamond MP et al. Proactively Establishing a Biologic Specimens Repository for Large Clinical Trials: An Idea Whose Time Has Come. *Systems Biology in Reproductive Medicine* 2011; 57:217-21. PMID 21951166
61. Krawetz SA, Casson PR, Diamond MP et al. Establishing a Biologic Specimens Repository for Reproductive Clinical Trials: Technical Aspects. *Systems Biology in Reproductive Medicine* 2011; 57:222-7 PMID 21899384
62. Diamond MP, Mitwally M, Casper R et al. Estimating Rates of Multiple Gestation Pregnancies: Sample Size Calculation from the Assessment of Multiple Intrauterine Gestations from Ovarian Stimulation (AMIGOS) Trial. *Contemp Clin Trials*. 2011; 32:902-8 PMID 21787883
63. Legro RS et al. The Pregnancy in Polycystic Ovary Syndrome II (PPCOS II) Trial: Rationale and Design of a Double-Blind Randomized Trial of Clomiphene Citrate and Letrozole for the Treatment of Infertility in Women with Polycystic Ovary Syndrome. *Contemp Clin Trials*, 2012;33:470-81 PMID: 22265923
64. Eisenberg E. Commentary. Effect of the Gonadotropin-Releasing Hormone Analogue Triptorelin on the Occurrence of Chemotherapy-Induced Early Menopause in Premenopausal Women with Breast Cancer--A Randomized Trial. In First to Know. The North American Menopause Society. September 29,2011. www.menopause.org/news/news0911.pdf

65. Eisenberg E. Long-term Outcomes in Children Born after Assisted Conception. *Semin Reprod Med.* 2012; 30:12-30
66. Trussell JC, Christman GM, Ohl DA et al. Recruitment challenges of a multicenter randomized controlled varicocelectomy trial. *Fertil Steril* 2011; 96:1299-305. PMID 22130101
67. Huang H, Hansen KR, Factor-Litvak et al. Predictors of pregnancy and live birth after insemination in couples with unexplained or male-factor infertility. *Fertil Steril* 2012; 97:959-67. PMID:22270557
68. Diamond MP et al. Endometrial Shedding Effect on Conception and Live Birth in Women with Polycystic Ovary Syndrome. *Obstet Gynecol.* 2012; 119:902-8. PMID: 22525900
69. ACOG Committee on Gynecologic Practice. Sonohysterography. *Technology Assessment in Obstetrics and Gynecology* Number 8. 2012; 119:1325-8.
70. Jodar M, Selvaraju S, Sandler E, Diamond MP, Krawetz SA; Reproductive Medicine Network. The presence, role and clinical use of spermatozoal RNAs. *Hum Reprod Update.* 2013; 6:604-24. PMID:23856356
71. Legro RS, Brzyski RG, Diamond MP et al. The Pregnancy in Polycystic Ovary Syndrome Study II: Baseline Characteristics of Female Subjects and Male Partners from a Multi-Center Randomized Clinical Trial. *Fertil Steril.* 2014; 101:258-269. PMID:24156957
72. Eisenberg E. Time is of the essence: personalized prediction of reproductive time span to optimize life goals. *Menopause* 2014; 21:100-102
73. Legro RS, Brzyski RG, Diamond MP et al. Letrozole versus Clomiphene for Infertility in the Polycystic Ovary Syndrome. *N Engl J Med.* 2014; 371: 119-129
74. Trussell JC, Ohl DA, Krawetz SA, Snyder PJ, Polotsky AJ, Patrizio P, Christman GM; Reproductive Medicine Network. We need a prospective varicocelectomy trial. *Fertil Steril* 2014; 101:1563-1564
75. Legro RS, Zhang H, NICHD Reproductive Medicine Network. Letrozole or clomiphene for infertility in the polycystic ovary syndrome. *N Engl J Med.* 2014; 371:143-4
76. Eisenberg E. Long-term outcomes in children conceived with assisted reproductive technologies. *Minerva Gynecol.* 2014; 66:431-41
75. Diamond MP, Legro RS, Coutifaris C et al. Assessment of multiple intrauterine gestations from ovarian stimulation (AMIGOS) trial: baseline characteristics. *Fertil Steril.* 2015; 103 (4):962-73
76. Polotsky AJ, Allshouse AA, Casson PR, Coutifaris C, Diamond MP, Christman GM, Schlaff WD, Alvero R, Trussell JC, Krawetz SA, Santoro N, Eisenberg E, Zhang H, Legro RS. Impact of Male and Female Weight, Smoking, and Intercourse Frequency on Live Birth in Women with Polycystic Ovary Syndrome. *J Clin Endocrinol Metab.* 2015;100(6):2405-12
77. Kuang H, Diamond M, Jin S, Coutifaris C, Hansen KR, Casson P et al. Identification and replication of prediction models for ovulation, pregnancy and live birth in infertile women with polycystic ovary syndrome. *Hum Reprod.* 2015; 30(9):2222-33

78. Kuang H, Jin S, Thomas T, Engmann L, Hansen KR, Coutifaris C et al. Predictors of participant retention in infertility treatment trials. *Fertil Steril*. 2015 Nov;104(5):1236-1243.PMID: 26354094
79. Hayes MD, Urbanek M, Ehrmann DA, Armstrong LL, Lee JY, Sisk R et al. Genome-wide association of polycystic ovary syndrome implicates alterations in gonadotropin secretion in European ancestry populations. *Nat Commun* 2015;18(6):7502
80. Usadi RS, Diamond MP, Legro RS, Schlaff WD, Hansen KR, Casson P et al. Recruitment strategies in two Reproductive Medicine Network infertility trials. *Contemp Clin Trials*. 2015; 45(Pt B): 196-200 PMID 26386293
81. Diamond MP, Legro RS, Coutifaris C, Alvero R, Robinson RD, Casson P et al. Letrozole, Gonadotropin, or Clomiphene for Unexplained Infertility. *N Engl J Med*. 2015;373(13):1230-40
82. Steiner AZ, Diamond MP, Legro RS, Schlaff WD, Barnhart KT, Casson PR, Christman GM, Alvero R, Hansen KR, Geisler WM, Thomas T, Santoro N, Zhang H, Eisenberg E. *Chlamydia trachomatis* immunoglobulin G3 seropositivity is a predictor of reproductive outcomes in infertile women with patent fallopian tubes. *Fertil Steril* 2015;104(12):1522-6.
83. Hansen KR, He AL, Styer AK, Wild RA, Butts S, Engmann, L et al. Predictors of pregnancy and live-birth in couples with unexplained infertility following ovarian stimulation-Intrauterine Insemination. *Fertil Steril* 2016;105(6):1575-83.
84. Mumford SL, Legro RS, Diamond MP, Coutifaris C, Steiner AZ, Schlaff WD et al. Baseline AMH level associated with ovulation following ovulation induction in women with Polycystic Ovary Syndrome. *J Clin Endocrinol Metab* 2016;101(9):3288-96.
85. Legro RS, Dodson WC, Kunselman AR, Stetter CM, Kris-Etherton PM, Williams NI et al. Benefit of delayed fertility therapy with preconception weight loss over immediate therapy in obese women with PCOS. *J Clin Endocrinol Metab* 2016; 101:2658-66. PMID 27172435
86. Santoro N, Eisenberg E, Trussell JC, Craig L, Gracia C, Huang H et al. Fertility related quality of life from two RCT cohorts with infertility: unexplained infertility and polycystic ovary syndrome. *Hum Reprod* 2016;31(10):2268-79.
87. Hansen KR, Eisenberg E, Wild RA, Baker V, Hill MJ, Chen S et al. Mid-luteal Progesterone: A Marker of Treatment Outcomes in Couples with Unexplained Infertility. *J Clin Endocrinol Metab*, 2018;103(7):2743-2751
88. Engmann L, Jin S, Sun F, Legro RS, Polotsky AJ et al. for the Reproductive Medicine Network. Racial and Ethnic Differences in the Polycystic Ovary Syndrome (PCOS) Metabolic Phenotype. *Am J Obstet Gynecol*. 2017;216(5),493. PMID 28104402.
89. Styer AK, Jin S, Liu C, et al. for the NICHD Reproductive Medicine Network. The Association of Uterine Fibroids and Pregnancy Outcomes Following Ovarian Stimulation-Intrauterine Insemination for Unexplained Infertility. *Fertil Steril*. 2017;107(3);756-762.
90. Diamond MP, Legro RS, Coutifaris C, Alvero R, Robinson RD, Casson PA et al. Sexual Function in Infertile Women with Polycystic Ovary Syndrome and Unexplained Infertility. *Am J Obstet Gynecol*. 2017 April 17. Epub
91. Diamond MP, Eisenberg E, Huang H, Coutifaris C, Legro RS, et al for the Reproductive Medicine Network. The efficiency of a Single Institutional Review Board review in National Institute of Child Health and Human Development Cooperative Reproductive Medicine Network-initiated clinical trials. *Clin Trials*. 2019 Feb;16(1):3-10

92. Christianson M, Legro RS, Jin S, Eisenberg E, Diamond MP, Hansen KR et al. Comparison of Sonohysterography to Hysterosalpingogram for Tubal Patency Assessment in a Multicenter Fertility Treatment Trial in Women with PCOS. *J Assist Reprod Genet.* 2018; 35(12):2173-80.
93. Seungdamrong A, Steiner AZ, Gracia CR, Legro RS, Diamond MP, Coutifaris C et al for the Reproductive Medicine Network. Preconceptional antithyroid peroxidase antibodies, but not TSH, are associated with decreased live birth rates in infertile women. *Fertil Steril.* 2017 epub.
94. Quinn M, Kao C-N, Ahmad AK, Haisenleder D, Santoro N, Eisenberg E et al. Age-stratified thresholds of anti-Müllerian hormone improve prediction of polycystic ovary syndrome over a population-based threshold. *Clinical Endocrinology.* 2017;87 (6):733-40.
95. Evans-Hoeker EA; Eisenberg E; Diamond MP; Legro RS; Alvero, R for the Reproductive Medicine Network. Major depression, antidepressant use and male and female fertility. *Fertil Steril* 2018; 109(5):879-887
96. Barnhart K, Giudice L, Young S, Thomas T, Diamond MP, Segars J et al for the Reproductive Medicine Network. Evaluation, Validation and Refinement of Noninvasive Diagnostic Biomarkers for Endometriosis (ENDomarker): A Protocol to Phenotype Bio-specimens for Discovery and Validation. *Contemporary Clinical Trials.* 2018;68:1-6
97. Sullivan-Pyke CS, Haisenleder DJ, Sammel MD, Senapati S, Nicolais OL, Eisenberg E et al. Kisspeptin as new serum biomarker to discriminate miscarriage from viable intrauterine pregnancy. *Fertil Steril* 2018; 109(1): 137-41
98. Greenwood EA, Cedars MI, Santoro N, Eisenberg E, Kao C-N, Haisenleder DJ et al. Antimüllerian hormone levels and antral follicle counts are not reduced compared with community controls in patients with rigorously defined unexplained infertility. *Fertil Steril* 2017; 108: 1070-1077
99. Kent J, Dodson WC, Kunselman A, Pauli J, Stone A, Diamond MP et al. Gestational Weight Gain in Women with Polycystic Ovary Syndrome. *J Clin Endocrinol Metab* 2018;103(11):4315-4323
100. Greenwood EA, Pasch LA, Cedars MI, Legro RS, Eisenberg E, Huddlestone HG. Insulin resistance is associated with depression risk in polycystic ovary syndrome. *Fertil Steril* 2018;110(1):27-34
101. Barrett ES, Vitek E, Mbowe O, Thurston SW, Legro RS, Alvero R et al. Allostatic load, a measure of chronic physiological stress, is associated with pregnancy outcomes, but not fertility, among women with unexplained infertility. *Human Reproduction* 2018;33(9):1757-1766
102. Barnhart KT, Sammel MD, Stephenson M, Robins J, Hansen KR et al, for the NICHD Cooperative Reproductive Medicine Network. Optimal Treatment for Women with a Persisting Pregnancy of Unknown Location, a Randomized Controlled Trial: The ACT-or-NOT Trial. *Contemp Clin Trials.* 2018;73:145-151
103. Kent J, Dodson WC, Kunselman A, Pauli J, Stone A, Diamond MP et al. Gestational Weight Gain in Women with Polycystic Ovary Syndrome: A Controlled Study. *J Clin Endocrinol Metab.* 2018; 103(11):4315-23.

104. Huang H, Kuang H, Sun F, Diamond MP, Legro RS, Coutifaris C, Alvero R, Robinson RD, Casson PR, Christman GM, Hansen KR, Santoro N, Eisenberg E, Zhang H; Eunice Kennedy Shriver National Institute of Child Health and Human Development Reproductive Medicine Network. Lower prevalence of non-cavity-distorting uterine fibroids in patients with polycystic ovary syndrome than in those with unexplained infertility. *Fertil Steril*. 2019;111(5):1011-1019.
105. Chakhtoura N, Chinn JJ, Grantz KL, Eisenberg E, Artis Dickerson S, Lamar C, Bianchi DA, Importance of Research in Reducing Maternal Morbidity and Mortality. *Am J Obstet Gynecol*. 2019;221(3):179-182
106. Steiner AZ, Hansen KR, Barnhart KT, Cedars MI, Legro RS, Diamond MP et al. The effect of antioxidants on male factor infertility: The Males, Antioxidants, and Infertility (MOXI) randomized clinical trial. *Fertil Steril* 2020;113(3):552-560.
107. Chinn JJ*, Eisenberg E*, Artis Dickerson S, King RB, Chakhtoura N, Lim IAL, Grantz KL, Lamar C, Bianchi DW. Maternal mortality in the United States: research gaps, opportunities, and priorities. *Am J Obstet Gynecol*. 2020 Oct;223(4):486-492. *Authors contributed equally*
108. Eisenberg E. Maternal Measures Matter: In search of an etiology for ischemic placental disease. *Fertil Steril* 2020;114:506-7.
109. Legro RS, Diamond MP, Coutifaris C, Schlaff WD, Alvero R, Casson P, Christman GM, Rosen RM, Cedars MI, Hansen KR, Robinson R, Baker V, Usadi R, Dodson WC, Estes SJ, Kunselman A, Stetter C, Barnhart KT, Coward RM, Trussell JC, Krawetz SA, Santoro N, Huang H, Zhang H, **Eisenberg E**; Reproductive Medicine Network. Pregnancy registry: three-year follow-up of children conceived from letrozole, clomiphene, or gonadotropins. *Fertil Steril*. 2020 May;113(5):1005-1013. doi: 10.1016/j.fertnstert.2019.12.023.PMID: 32386612
110. Eisenberg E, DeCherney A. Foreword. Update on Polycystic Ovary Syndrome. *Clinical Obstetrics and Gynecology*. Spring 2021.
111. Chinn JJ, Eisenberg E, Artis-Dickerson S. Reply to "Prioritize implementation research to effectively address the maternal health crisis". *Am J Obstet Gynecol*. 2021 Feb 7:S0002-9378(21)00093-4.
112. Barnhart KT, Hansen KR, Stephenson MD, Usadi R, Steiner AZ, Cedars MI, Jungheim ES, Hoeger KM, Krawetz SA, Mills B, Alston M, Coutifaris C, Senapati S, Sonalkar S, Diamond MP, Wild RA, Rosen M, Sammel MD, Santoro N, Eisenberg E, Huang H, Zhang H; Reproductive Medicine Network. Effect of an Active vs Expectant Management Strategy on Successful Resolution of Pregnancy Among Patients With a Persisting Pregnancy of Unknown Location: The ACT or NOT Randomized Clinical Trial. *JAMA*. 2021 Aug 3;326(5):390-400. doi: 10.1001/jama.2021.10767. PMID: 34342619; PMCID: PMC8335579.
113. Eisenberg E, Legro RS, Diamond MP, Huang H, O'Brien LM, Smith YR, Coutifaris C, Hansen KR, Santoro N, Zhang H, Sleep Habits of Women With Infertility, *The Journal of Clinical Endocrinology & Metabolism*, 2021;106(11):e4414–e4426

114. Legro RS, Hansen KR, Diamond MP, Steiner AZ, Coutifaris C, et al. Effects of preconception lifestyle intervention in infertile women with obesity: The FIT-PLEASE randomized controlled trial. *PLOS Medicine* 19(1): e1003883. <https://doi.org/10.1371/journal.pmed>

BOOK CHAPTERS

1. Eisenberg E: Functional Menstrual Disorders. In *Current Diagnosis*, RD Conn. W.B. (ed) Saunders Co., Philadelphia, PA 1985
2. Eisenberg E: 1. The Menstrual Cycle, 2. Dysfunctional Uterine Bleeding. In *Obstetrics and Gynecology*, WW Beck, Jr. (ed.), John Wiley and Sons, Media, PA, 1986
3. Eisenberg E: Menarche, The Transition from Childhood to Womanhood. In *Advances in Pediatrics Volume 31*, 359-369, L.A. Barnes (ed.). Year Book Medical Publishers, Chicago, IL 1984
4. Eisenberg, E: Toward and Understanding of Reproductive Function in Anorexia Nervosa. In *Modern Trends in Infertility and Conception Control*, Vol 2 EE Wallach and RD Kempers (eds) Harper and Row, Philadelphia, PA 1992 p 99-106
5. Eisenberg E: GnRH Analogue Therapy - Uterine Leiomyoma. In *Hysterectomy*, MP Diamond JF Daniell, and HW Jones, III (eds), Blackwell Scientific Publications, Cambridge, MA, 1995 p 181-188
6. Eisenberg E: "Infertility", in *Textbook of Women's Health*, ed., Lila Wallis, M.D., Lippincott, Raven Publ, Philadelphia, PA, 1998 p 679-86
7. Eisenberg E: "Luteal Phase Defect", in *Endometrium and Endometriosis*, MP Diamond, KG Osteen (ed.), Blackwell Science, Cambridge, MA, 1997 p 84-90
8. Osteen KG, Bruner KL, Eisenberg E: "The Disease Endometriosis," in *Endometrium & Endometriosis*, MP Diamond, KG Osteen (ed.), Blackwell Science, Cambridge, MA 1997 p 20-26
9. Osteen KG, Rier S, Eisenberg E: The Pathophysiology of Dysfunctional Uterine Bleeding. In *the Endometrium*, Harwood Academy Publishers U.K. 1999 p 579-588
10. Osteen KG, Bruner-Tran KL, Ong D, Eisenberg E. Paracrine Mediators of Endometrial Matrix Metalloproteinase Expression: Potential targets for Progestin-based treatment of Endometriosis. In *Annals of the New York Academy Sciences*. Vol. 955, March 2002 p.139-146
11. Osteen KG, Bruner-Tran KL, Keller NR, Eisenberg E. Progesterone-mediated endometrial maturation limits matrix metalloproteinase expression in an inflammatory like environment: A regulatory system altered in endometriosis. In *Annals of the New York Academy of Sciences* Vol. 955, March 2002, p 37-47
12. Eisenberg E. Diabetes and Menopause. In *Diabetes In Women*, EA Reece, S Gabbe and D Coustan (ed.). Lippincott, Williams and Wilkins, Philadelphia PA 2004
13. Eisenberg E. Ovarian Failure Treatment Strategies: Egg Donation. In *Encyclopedia of Endocrine Diseases*, Luciano Martini (ed.). Academic Press/Elsevier, San Diego CA. 2003

14. Eisenberg, E and Entman, S. Surgical Menopause in Chapter 75, Gynecologic Surgery in Townsend: Sabiston Textbook of Surgery. 19th Ed.

BOOKS

Wallach EE and Eisenberg E. Hysterectomy, Exploring Your Options, Johns Hopkins Press. Baltimore MD. 2003 Wallach EE, Eisenberg E, Green I, Scheib SA. Hysterectomy, Exploring Your Options, 2nd Ed. Johns Hopkins Press. Baltimore MD. September 2015

Thesis for MPH: Eisenberg E, Coffey C, Mitchell E, Griffin M. Adherence to Menopausal Hormone Replacement in Low Income Women

ABSTRACTS-Published and Presented

1. Kobayashi Y, Kitai H, Eisenberg E, Santulli R, Schlaff S, Wallach EE: "A Local Inhibitory Action of Gonadotropin Releasing Hormone on Ovulation and the Rabbit." 38th Annual Meeting, the American Fertility Society, Las Vegas, March 23, 1982
2. Eisenberg E, Kitai H, Kobayashi Y, Santulli R, Wallach EE. GNRH: Effects on the in vitro Perfused Rabbit Ovary. Thirtieth Annual Meeting Society for Gynecologic Investigation, Washington, DC, March 19, 1993
3. Levine B, Eisenberg E, Wallach EE: Luteal Phase Defect: An Association with Endometriosis. 39th Annual Meeting, American Fertility Society. San Francisco, April 18, 1983
4. Eisenberg E, Corson S, Batzer F, et al: Effects of Luteal Phase hCG Injections on Pregnancy Rate and Early Abortion in In-vitro Fertilization/Embryo Transfer. 42nd Annual Meeting, American Fertility Society, Toronto, Canada, September 29, 1986
5. Eisenberg E, Batzer FR, Jolley A, Go KJ: IVF and GIFT in Women Age 40 and over: Value of Baseline FSH Level. ACOG District III Meeting, Orlando, Florida, October, 1991
6. Hargrove JT, Sharp SC, Eisenberg E, Osteen KG: Endometrial Evaluation by Transvaginal Ultrasonography after 5 Years of Menopausal Hormone Replacement Therapy with Continuous Estradiol and Progesterone. Fourth Annual Meeting of Menopause Society, San Diego, CA, September 1993
7. Eisenberg E, Diamond MP: Transvaginal Ultrasonographic Measurement of Endometrial Thickness Reflect Endometrial Biopsy Proven Maturation. 49th Annual Meeting, American Fertility Society, Montreal, Canada, October 13, 1993
8. Bastias MC, Dalgligh CS, Wamil BD, McGee-Belser S T, Hinds MS, Eisenberg E: Establishment of lower limits for cryopreserved sperm fertilizing capacity in proven fertile men. Nineteenth Annual Meeting of the American Society of Andrology, Springfield, Illinois, 1994
9. Vasquez JM, Eisenberg E, Guerre EF, Osteen KG, Bastias MC, Diamond MP: Effect of age on the exponential rise of estradiol 17 β (E₂) in women undergoing hMG-ovulation induction. Forty-first Annual Meeting of the Society for Gynecologic Investigation, Chicago, Illinois, March 1994

10. Eisenberg E, Dalglish C, Vasquez J, Diamond, MP. Analysis of Physician Intervention in the Success of Therapeutic Donor Insemination. Vanderbilt OB/GYN Research Forum, Nashville, TN, April 9, 1994
11. Cullinan JA, Fleischer AC, Vasquez J, Eisenberg E, Kepple DM, Arnold A: Sonohysterography: A Technique for the Evaluation of the Endometrial Cavity. 50th Annual Meeting, American Fertility Society, San Antonio, TX, November 1994
12. Osteen KG, Bruner KL, Eisenberg E, Vasquez JM, Gorstein F: Role of Matrix Metalloproteinases in the Establishment of Ectopic Sites of Human Endometrium in the Nude Mouse. 50th Annual Meeting, American Fertility Society, San Antonio, TX, November 1994
13. Vasquez JM, Sandler B, Osteen KG, Eisenberg E, Fleischer AC, Diamond MP. The Exponential Rise of Estradiol 17- β (E_2) is Exaggerated in Severe Ovarian Hyperstimulation Syndrome (OHSS), but Constant in Conceptual, Non-Conceptual, Leuprolide-HMG Stimulated Cycles. Departments of Ob/Gyn, Vanderbilt University Medical School, Nashville, TN & Mount Sinai School of Medicine, NY, NY. 50th Annual Meeting, American Fertility Society, San Antonio, TX, November 1994
14. Cullinan J, Eisenberg E: The role of Sonohysterography (SHG) in the Postmenopausal Patient. The North American Menopause Society, Chicago, IL, September 1995
15. Eisenberg E, Dalglish C, Vasquez J: Analysis of Physician Intervention in the Success of Therapeutic Donor Insemination. 51st Annual Meeting, American Society of Reproductive Medicine, Seattle, WA, October 10, 1995
16. Osteen KG, Bruner KL, Eisenberg E, Vasquez J, Gorstein F: Progesterone Induced Transforming Growth Factor- β (TGF- β) Suppresses Endometrial Metalloproteinases but TGF-Alone Cannot Block Endometriotic-like Lesions in Nude Mice. 51st Annual Meeting, American Society of Reproductive Medicine, Seattle, WA, October 9, 1995
17. Osteen KG, Bruner KL, Sierra-Rivera E, Keller NR, Eisenberg E: Interleukin 1 β Opposes Progesterone Suppression of Matrix Metalloproteinases in an Endometriosis Model. *Biology of Reproduction* 54:121, 1996
18. Osteen KG, Bruner KL, Sierra-Rivera E, Hargrove JT, Eisenberg E: Dioxin (TCDD) Can Block the Protective Effect of Progesterone in Nude Mouse Model of Experimental Endometriosis. 52nd Annual Meeting of American Society for Reproductive Medicine, Boston, MA, November 6, 1996
19. Diamond MP, Eisenberg E, et al: Failure of Ovarian Suppression to Reduce Postoperative Adhesion Development in Women. 52nd Annual Meeting of American Society for Reproductive Medicine, Boston, MA, November 5, 1996
20. Bastias MC, Eisenberg E: Human Intracytoplasmic Sperm Injection (ICSI) into Cryopreserved Hamster Ova: A Model to Assess Laboratory Proficiency for Performing ICSI in Human In Vitro Fertilization 52nd Annual Meeting of American Society for Reproductive Medicine, Boston, MA, November 5, 1996
21. Johnson DA, Eisenberg E, Cullinan JA, Reed G: Sonohysterography in the Evaluation of Recurrent Pregnancy Loss. Vanderbilt 5th Annual Obstetrics and Gynecology Research Forum, Nashville, TN May 1996
22. Johnson DA, Eisenberg E, Cullinan JA, Reed G: Sonohysterography in the Evaluation of Recurrent Pregnancy loss. ACOG, District VII Meeting, New Orleans, LA, July, 1996

23. Scott S, Eisenberg, E, Reed G: Endometrial Thickness and Progesterone levels in the Mid-Luteal Phase. 6th Annual Resident Research Forum in Obstetrics and Gynecology, Vanderbilt University Medical Center, Nashville, TN, May 1997
24. Hargrove JT, Beckum J, Sierra-Rivera E, Osteen KG, Eisenberg E: Absorption of Estradiol and Progesterone Delivered via Jergen's Lotion Used as Hormone Replacement Therapy. 8th Annual North American Menopause Society, Boston, MA, September 5, 1997
25. Osteen K, Sierra-Rivera E, LaMorte A, Eisenberg E: Progesterone-Mediated Reduction of Endometriotic Lesions in Experimental Model of Endometriosis Can Be Disrupted by Dioxin (TCDD) via Interleukin 1 Pathway. American Society for Reproductive Medicine 53rd Annual Meeting, Cincinnati, Ohio. October 18-22, 1997
26. Sierra-Rivera E, Bruner KL, LaMorte A, Eisenberg E, Osteen K. 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) blocks progesterone-dependent expression of TGF- β 2 in human endometrium and disrupts regulation of MMP-3 and prolactin secretion in isolated stromal cells. 53rd Annual Meeting American Society for Reproductive Medicine, San Francisco, CA, October 1997
27. Parker EE, Domm JA, Reed GW, German DC, Eisenberg E: Race and Level of Education Affect Access to Sources of Menopause Information. Conference on Women's Health & Research, University of Florida, Gainesville, FL, March 1998
28. Osteen K, Bruner K, Keller N, Eisenberg E: Mechanisms of Progesterone Modulation of Endometrial Remodeling. 81st Annual Meeting. The Endocrine Society, San Diego, CA, June 14, 1999
29. Osteen K, Bruner K, Keller N, Eisenberg E: Retinoic Acid Treatments Can Mimic the Effects of Progesterone Therapy in an Experimental Model of Endometriosis. 55th Annual Meeting, American Society of Reproductive Medicine, Toronto, Canada, September 27, 1999
30. Bruner KL, Ong DE, Eisenberg E, Osteen KG: Progesterone Regulation of endometrial MMP-3 expression requires the cooperative action of TGF-beta and Retinoic Acid. *Biology of Reproduction* 60(1):272 (1999)
31. Osteen KG, Bruner-Tran KL, Ong DE, Eisenberg E: Progesterone or Retinoic Acid Treatment of Human Endometrial Tissue reduces Basal and Cytokine-Stimulated MMP Expression and Increases TIMP-1 Secretion. 33rd Annual Meeting of the Society for the Study of Reproduction July 2000
32. Eisenberg E, Coffey C. S., Griffin, M. R.: Adherence to Hormone Replacement Therapy in Low Income Menopausal Women, 56th Annual Meeting, American Society of Reproductive Medicine, San Diego, CA, October 24, 2000
33. Bruner-Tran K, Eisenberg E, Anderson TA, Osteen KG. Steroid and cytokine regulation of Matrix Metalloproteinase expression in an experimental model of endometriosis. 56th Annual Meeting, American Society of Reproductive Medicine, San Diego, CA, October 24, 2000
34. Bruner-Tran KL, Eisenberg E, Osteen KG: Progesterone Cannot Prevent Establishment of Experimental Endometriosis by Eutopic or Ectopic Human Endometrial Tissues: Role of MMPs. 56th Annual Meeting of the American Society of Reproductive Medicine, San Diego, CA October 2000

35. Bruner-Tran KL, Khan S, Eisenberg E, Osteen K. Steroidogenesis-Inducing Protein (SIP) stimulates endometrial matrix metalloproteinase-3 (MMP-3) expression and antagonizes progesterone-mediated suppression of this enzyme. 57th Annual Meeting of the American Society of Reproductive Medicine, Orlando, FL October 2001
36. Eisenberg E, Bruner-Tran KL, Keller N, Hargrove JT, Osteen KG. Uterine Endometrial Stability is dependent upon the Presence of both Estrogen and Progesterone. 58th Annual Meeting of the American Society of Reproductive Medicine, Seattle, WA. October 2002
37. Bruner-Tran KL, Tabibzadeh S, Henriot P, Eisenberg E, Osteen KG (2003). EBAF/Lefty-1 Antagonizes Progesterone Action in Human Endometrium and in Experimental Endometriosis. 59th Annual Meeting of the American Society of Reproductive Medicine, San Antonio, TX
38. Eisenberg E. Creation and Implementation of an Evidence-based Curriculum on Menopause for Ob-Gyn Residents. 2003 CREOG and APGO Annual Meeting. Anaheim, CA, March 3, 2003
39. Piestrzeniewicz-Ulanska D, Bruner-Tran K, Yeaman G, Eisenberg E, Osteen K. Interferon Gamma induces degradation of T beta R-1 in the human endometrium: Implications for endometriosis. ASRM 2004, Philadelphia, PA. October 19, 2004
40. Bruner-Tran KL, Piestrzeniewicz-Ulanska D, Eisenberg E, Osteen KG. Endometrial Expression of TGF-beta2 and EBAF is disrupted in women with endometriosis and in normal endometrium exposed to dioxin. 34th SGI Annual Meeting, Los Angeles CA, March 2005
41. Nayyar T, Bruner-Tran K, Yeaman G, Eisenberg E, Osteen K. Developmental Exposure to TCDD Alters Endometrial Expression of Progesterone Receptor and Reduces Differentiation-Related TGF-beta 2 Expression in Adult Mice. 61st ASRM Annual Meeting, Montreal, Canada, October 2005
42. Piestrzeniewicz-Ulanska D, Bruner-Tran KL, Eisenberg E, Osteen KG (2004). Expression of TGF-beta Signaling Proteins in Normal Endometrium and in Endometrium from Women with Endometriosis. Polish Biochemical Society, Warsaw (Poland)
43. Bruner-Tran KL, Gladson S. Eisenberg E, Osteen K (2006). Experimental endometriosis in Rag2((c) mice following adoptive transfer of human leukocytes. 62nd Annual Meeting of the American Society of Reproductive Medicine, New Orleans.
44. Osteen KG, Bruner-Tran KL, Nayyar T, Eisenberg E. Fetal Exposure to Dioxin Disrupts Progesterone Responsiveness in the Adult Murine Uterus: Implications for the Development of Endometriosis in Humans. 46th Annual Meeting of the Teratology Society, Tucson, AZ, June 2006
45. Bruner-Tran KL, Nayyar T, Piestrzeniewicz-Ulanska D, Eisenberg E, Osteen KG: Mice Exposed to Dioxin during Development Exhibit Alterations in Adult Endometrial Protein Expression Which Mimics the Endometrial Phenotype Observed in Women with Endometriosis. American Society of Reproductive Immunology, Nashville, TN, June 2006
46. Bruner-Tran KL, Yeaman GR, Eisenberg E, Osteen KG. Developmental Dioxin Exposure in Mice Alters Uterine DNA Methylation Patterns and Protein Expression in Adult Animals and Leads to an Endometriosis-like Phenotype. 63rd Annual Meeting of the American Society of Reproductive Medicine, Washington DC, October 2007

47. Fortinsky P, Glasser S, Lerner-Giav L, Scott T, Eisenberg E. First Birth at Age 45+. Emphasis Forum III, Vanderbilt University School of Medicine, April 22, 2008
48. Sacks DN, Davidson M, Eisenberg E. The Effect of SART Guidelines and State-Mandated Insurance Coverage on IVF-ET Trends. Emphasis Forum IV, Vanderbilt University, May 11, 2009.
49. Legro RS et al. Total Testosterone Assays in Polycystic Ovary Syndrome: Is There a Gold Standard? ENDO 2010: The 92nd Annual Meeting, San Diego, CA, June 20, 2010
50. Schlaff WD et al. Impact of the Institutional Research Review Process on Initiating a Clinical Study: The Reproductive Medicine Network (RMN) Experience with Pregnancy in Polycystic Ovary Syndrome I and II. American Society of Reproductive Medicine, Denver, CO 2010
51. Schlaff WD et al. Ovulation Induction with Clomiphene, Metformin, or a combination of the Two Does Not Affect Hirsutism Score Over a Standard Course of Treatment in Women with Polycystic Ovary Syndrome. American Society of Reproductive Medicine, Denver, CO 2010
52. Diamond MP et al. Adverse impact of progestin exposure and endometrial shedding prior to ovulation induction on conception and live birth in women with polycystic ovary syndrome. Presented at Society of Gynecologic Investigation, San Diego, CA March 2012
53. Brzyski RG, Barnhart K, Santoro N, Eisenberg E. Is Partner Consent for a Woman's Participation in Fertility Clinical Trials Justified? The Reproductive Medicine Network Experience. American Society for Reproductive Medicine. San Diego CA October 2012
54. Legro RS et al. Effect of letrozole versus clomiphene on live birth in women with anovulatory infertility due to polycystic ovary syndrome (PCOS): a randomized double-blind multi-center trial. American Society for Reproductive Medicine. Boston MA, October 2013
55. Cedars MI, Mumford S, Steiner AZ et al: Impact of AMH level on chances for ovulation in Pregnancy in Polycystic Ovary Syndrome II, a Multi-Center Randomized Clinical Trial. The Endocrine Society ENDO 2014, Chicago, IL June 2014
56. Polotsky AJ, et al and RMN. Impact of Male Factors and Adiposity on Pregnancy and Live Birth in Polycystic Ovary Syndrome Study II, a Multi-Center Randomized Clinical Trial -Polotsky et al- presented at The Endocrine Society, Chicago, IL June 2014
57. Diamond MP, et al and RMN. AMIGOS Outcomes, American Society for Reproductive Medicine. Honolulu, HI, October 2014
58. Coutifaris C, and RMN. Effect of Oxygen Tension on Embryo Development and Live Birth in Clinical In vitro Fertilization (IVF): The Reproductive Medicine Network Physiologic Oxygen (PhOx) Study. ESHRE, Lisbon Portugal. July 2015
59. Steiner A, and RMN. Chlamydia trachomatis serostatus is an independent predictor of pregnancy and pregnancy outcome. ESHRE, Lisbon Portugal. July 2015

60. Eisenberg E and RMN. Sleep Habits of Infertile Women. The Endocrine Society, San Diego, CA 2015
61. Zhang H and RMN. Predictors of Pregnancy in PCOS. The Endocrine Society, San Diego, CA 2015
62. Santoro N, Eisenberg E, and RMN. Quality of Life in Infertile Women. Society of Reproductive Investigation, San Francisco, CA April 2015.
63. Seungdamrong AM, and RMN. Antithyroid Antibodies, but not Thyroid Stimulating Hormone, are Associated with Decreased Pregnancy Rates in Infertile Women. American Society of Reproductive Medicine, Baltimore, MD. October 2015
64. Christianson MS, and RMN. Utility of Sonohysterography for Tubal Patency Assessment in the Pregnancy in Polycystic Ovary Syndrome II Trial. American Society of Reproductive Medicine, Baltimore, MD. October 2015
65. Hansen K and RMN. Predictors of Pregnancy and Live-Birth in Couples with Unexplained Infertility following Superovulation-Intrauterine Insemination. American Society of Reproductive Medicine, Baltimore, MD. October 2015
66. Polotsky AJ, and RMN. Male Obesity is an Independent Risk Factor for Treatment Failure among Couples with Unexplained Infertility in the Assessment of Intrauterine Gestations from Ovarian Stimulation (AMIGOS) Trial. American Society of Reproductive Medicine, Baltimore, MD. October 2015
67. Eisenberg E, Diamond MP, Legro RS, et al and RMN. Pregnancy following Letrozole Treatment in Infertile Women with PCOS or Unexplained Infertility Has Low Risk of Congenital Anomalies and Serious Adverse Events. Society of Reproductive Investigation. Montreal, CA. March 2016
68. Engmann L and RMN-Racial and Ethnic differences in the Polycystic Ovary Syndrome Phenotype- The Endocrine Society, Boston MA, April 2016
69. Sullivan-Pyke C, Haisenleder D, Sammel M, Senapati S, Nicolais O, Eisenberg E, Barnhart K. Kisspeptin as a New Serum Marker to Discriminate Miscarriage from Viable Intrauterine Pregnancy. American Society for Reproductive Medicine, Salt Lake City, Utah. October 2016
70. Wild RA, Baker V, Hill MJ, et al for the Reproductive Medicine Network. Mid-luteal Progesterone--a Marker of Treatment Outcomes in Couples with Unexplained Infertility following Ovarian Stimulation-Intrauterine Insemination. Society for Reproductive Investigation, Orlando FL March 2017
71. Legro RS for the Reproductive Medicine Network. Genetic Associations with Outcomes after Letrozole or Clomiphene Citrate Treatment in Women of European Ancestry with PCOS. The Endocrine Society Annual Meeting, Orlando, FL 4 2017
72. Hansen K, Coward RM, Trussell JC, for the Reproductive Medicine Network. Semen Parameters and Intrauterine Insemination (IUI) Performance Characteristics: Relation to Live-Birth Rate in Ovarian Stimulation (OS)-IUI Treatments in A Multicenter Trial. American Society for Reproductive Medicine, San Antonio, TX November 1, 2017
73. Plowden TC, Mumford SL, Wild RA, Cedars M, Steiner AZ, Eisenberg E et al for the Reproductive Medicine Network. Probability of Pregnancy with Nomo Versus Multiple Folliculogenesis among Women with Unexplained Infertility who

are Undergoing Ovulation with Gonadotropins, Clomiphene or Letrozole. Poster P-333. American Society for Reproductive Medicine, San Antonio, TX November 1, 2017

74. Evan-Hoeker EA, Eisenberg E, Legro RS, Diamond MP, Steiner AZ. Depressive Symptoms, Antidepressant Use and Fertility Treatment Outcomes. Poster P-502. American Society for Reproductive Medicine, San Antonio, TX November 1, 2017

75. Engmann L, Sun F, Eisenberg E, Coutifaris C, Zhang H, Santoro N for the Reproductive Medicine Network. Predictive Factors for Adherence to Study Protocol in Infertility Treatment Trials. O-220, American Society for Reproductive Medicine, San Antonio, TX November 1, 2017

76. Coward RM, Stetter C, Kunselman A, Trussell JC, Lindgren M, Diamond MP, et al for the Reproductive Medicine Network. Fertility-Related Quality of Life, Gonadal Function, and Erectile Dysfunction in Male Partners of Couples with Unexplained Infertility. American Urological Association, San Francisco, CA May 1, 2018

77. Legro RS, Hansen KR, Diamond MP, Steiner A, Mersereau J, Sarwar DB et al. Effect of Preconception Intensive vs Standard Lifestyle Intervention on Birth Outcomes in Obese Women with Unexplained Infertility: A Multicenter Randomized Trial. The Endocrine Society Annual Meeting, ENDO2020, San Francisco, CA March 28, 2020