

JEFFREY LYNN DEATON, M.D.

CURRICULUM VITAE

NAME: Jeffrey Lynn Deaton, M.D.

CURRENT ACADEMIC TITLE: Medical Director
Premier Fertility Center

ADDRESS:

Business: Premier Fertility Center
High Point Regional Health System
2783 NC Highway 68, Suite 104
High Point, NC 27265
336-841-7070
336-841-7077 (fax)

EDUCATION:

1975-1979 Vanderbilt University
Nashville, Tennessee
B.S. Magna cum laude
Mathematics, Engineering

1979-1983 Vanderbilt University School of Medicine
Nashville, Tennessee
M.D.

POSTDOCTORAL TRAINING:

July 1983 - June 1987 Residency, Obstetrics and Gynecology
University of Connecticut Medical School
Farmington, Connecticut

July 1987 - June 1990 Fellowship, Reproductive Endocrinology and Infertility
Department of Obstetrics and Gynecology
University of Vermont School of Medicine
Burlington, Vermont

July 1988 - June 1990 Cell and Tissue Culture Laboratory
In Vitro Fertilization Laboratory
Department of Obstetrics and Gynecology
University of Vermont School of Medicine
Burlington, Vermont

PROFESSIONAL LICENSURE:

North Carolina

SPECIALTY CERTIFICATION:

1991
2001-Present
American Board of Obstetrics and Gynecology
Yearly Recertification

SUBSPECIALTY CERTIFICATION:

1997
2001-Present
Reproductive Endocrinology and Infertility
Yearly Recertification

EMPLOYMENT:

2006-Present
Medical Director, Premier Fertility Center

2002-2006
Section Head, Section on Reproductive Medicine
Wake Forest University School of Medicine
Medical Center Boulevard
Winston-Salem, North Carolina

2002-2005
Vice Chairman, Department of Obstetrics and Gynecology
Wake Forest University School of Medicine
Medical Center Boulevard
Winston-Salem, North Carolina

1998-2006
Associate Professor
Director, Program for Assisted Reproduction
Department of Obstetrics and Gynecology
Section on Reproductive Medicine
Wake Forest University School of Medicine
Medical Center Boulevard
Winston-Salem, North Carolina

1990-1998
Assistant Professor
Director, Program for Assisted Reproduction
Department of Obstetrics and Gynecology
Wake Forest University School of Medicine
Winston-Salem, North Carolina

1987-1990
Instructor and Fellow
Division of Reproductive Endocrinology and Infertility
Department of Obstetrics and Gynecology
University of Vermont School of Medicine
Burlington, Vermont

1986-1987 Instructor
Department of Obstetrics and Gynecology
University of Connecticut Health Center
Farmington, Connecticut

OTHER PROFESSIONAL APPOINTMENTS AND ACTIVITIES:

1990-2006 Director, Program for Assisted Reproduction
Wake Forest University School of Medicine

1990-2003 Laboratory Director, In Vitro Fertilization Laboratory
Wake Forest University School of Medicine

1991-1998 Medical Foundation
Clinical Teaching Scholars

June 1991 Co-Chairman, Ad Hoc Ethics Committee for embryo
cryopreservation and donor oocytes for use with in vitro
fertilization

1992-2000 Director, Quality Assurance Committee
Department of Obstetrics and Gynecology
Wake Forest University School of Medicine

1993-Present Ad Hoc Reviewer for Fertility & Sterility

December 1993 Co-Founder: Southeastern Reproductive Medicine
Association (SERMA)

1995-1999 President: Southeastern Reproductive Medicine Association

1993-2004 Residency Interview Committee

1996-1998 Elected Member, Wake Forest University Physicians Council

1996-2003 Program Director
Frank R. Lock Annual Obstetrics and Gynecology Symposium

1996-2005 Continuing Medical Education and Lectureship Executive
Committee

1997-Present Staff Attending, Moses Cone Health System

1997-2003 Laboratory Director
Department of Obstetrics and Gynecology Laboratories
Wake Forest University School of Medicine

1999-2001	Assistant Residency Director Department of Obstetrics and Gynecology Wake Forest University School of Medicine
2001-2005	Residency Director Department of Obstetrics and Gynecology Wake Forest University School of Medicine
2003-2006	Elected Member, Wake Forest University Physicians Council

PROFESSIONAL MEMBERSHIPS:

1984	American College of Obstetricians and Gynecologists
1986	The American Society for Reproductive Medicine
1990	North Carolina Obstetrical and Gynecological Society
1990	North Carolina Medical Society
1991	Society for Assisted Reproductive Technology
1996	Society for Male Reproduction and Urology
1997	Society for Reproductive Endocrinologists
1997	Associate Member, Society for Gynecologic Investigation

HONORS AND AWARDS:

1977	Tau Beta Pi
1978	Mortar Board
1979	Wilson L. and Nellie Pyle Miser Award
1979-1983	Dean's Scholarship
1983	The School of Medicine Award of Distinction in Medical Education
1989	American Fertility Society Associate Members Prize Paper
1997	Resident Teaching Award Department of Obstetrics and Gynecology

GRANTS:

7/89 - 7/90	"The Combined Use of Clomiphene Citrate and Intrauterine Insemination in Patients with Unexplained Infertility or Surgically Corrected Endometriosis" ACOG/Mead Johnson Clinical Research Fellowship \$10,000 Principal Investigator
1/93 - 1/94	"In Vitro Fertilization and Embryo Cryopreservation Using a Novel, Affordable Protocol" Developmental Technology Fund/North Carolina Baptist Hospital Principal Investigator, \$58,735

- 10/92 - 5/94 "A Multi-Center Trial Comparing 3.6 mg Zoladex® Therapy With and Without Hormone Replacement Therapy for the Treatment of Endometriosis"
ICI Pharmaceuticals
Co-investigator
- 5/93 - 5/94 "The Use of Music in Reducing Pain and Anxiety in Patients Undergoing Transvaginal Oocyte Aspiration"
Serono
\$1,000
Co-investigator
- 8/1/94 - 6/30/95 "Identification of the Circulatory Inhibitory Factor Found in the Serum of Infertility Patients with Endometriosis"
Greiss Research Fund
Faculty Mentor - Resident Research
- 10/94, 10/95, 10/98 Massey Charitable Trust Grant
Infertility Research through the Southeastern Reproductive Medicine Association (President)
October 1994 - \$30,000
October 1995 - \$25,000
October 1998 - \$50,000
- 4/1/97 - 6/30/00 HD95-017 P50
"Molecular Regulation in Reproduction"
NIH
\$4,000,000 - April 1, 1997
French F - Principal Investigator
Subtitle: "Endometrial Integrins and Uterine Receptivity"
Principal Investigator: Bruce Lessey, M.D., Ph.D.
SERMA, Jeffrey L. Deaton, M.D. - Collaborator
- 3/1/97 - 3/1/98 "An Evaluation of Feminine Hygiene Practices and Their Relation to Pelvic Inflammatory Disease"
SmithKline Beecham Consumer Healthcare International
Pharmaceutical Research, Inc.
March 1997
Co-investigator
\$53,750 (based on 50 patients)

BIBLIOGRAPHY:

Book Chapters:

Vintzileos AM, Deaton JL, Campbell WA, Nochimson DJ: Pharmacology of hay fever and the common cold in pregnancy. In: Petrie RH, ed. Perinatal Pharmacology. Philadelphia: W.B. Saunders Company, 1989:61-70.

Deaton JL: Hyperandrogenism and uterine bleeding. In: Pittaway DE, Diamond MP, DeCherney AH, eds. Infertility and reproductive medicine clinics of North America. Philadelphia: W.B. Saunders Company, 1991; 2(3):561-583.

Pittaway DE, Deaton JL. Abnormal uterine bleeding. In: Carpenter SEK, Rock JA, eds. Pediatric and adolescent gynecology. New York: Raven Press, 1992:189-204.

Deaton JL, Huffman CS. Transvaginal ultrasound in the office setting. In: Meyer WR, ed. Infertility and reproductive medicine clinics of North America. Philadelphia: W.B. Saunders Company 1995; 6(1):149-177.

Deaton JL, Miller KA, Dempsey RA, Spencer T. Polycystic ovarian disease, fertilization, and early embryonic development. (Chapter) In: Proceedings of Polycystic Ovary Syndrome Symposium. New York: Springer-Verlag, Inc., 1996:272-283.

Journal Articles:

Vintzileos AM, Deaton JL, Campbell WA, Nochimson DJ. The pharmacologic management of hay fever and common cold in pregnancy. Contemp Obstet Gynecol 1986; 27(4):198-208.

Vintzileos AM, Campbell WA, Deaton JL, Nochimson DJ, Weinbaum RJ. Hydrops fetalis associated with immunologic and nonimmunologic factors. Am J Perinatol 1987; 4:114-120.

Rodis JF, Deaton JL, Campbell WA, Vintzileos AM, Weinbaum RJ, Nochimson DJ. Maternal hypothermia: an unusual complication of magnesium sulphate therapy. Am J Obstet Gynecol 1987; 156:435-436.

Rodis JF, Vintzileos AM, Campbell WA, Deaton JL, Fumia F, Nochimson DJ. Antenatal diagnosis and management of monoamniotic twins. Am J Obstet Gynecol 1987; 157:1155-1157.

Deaton JL, Hoffman JS, Saal H, Allred C, Koulos JP. Molar pregnancy coexisting with normal fetus: a case report. Gynecol Oncol 1989; 32:394-397.

Deaton JL, Maier D, Andreoli J. Spontaneous uterine rupture following treatment of Asherman's syndrome. Am J Obstet Gynecol 1989; 160:1053-1054.

Brumsted JR, Chapis J, Deaton JL, Riddick DH, Gibson M. Prostaglandin F2 alpha synthesis and metabolism by luteal phase endometrium in vitro. Fertil Steril 1989; 52:769-773.

Deaton JL, Gibson M, Riddick DH, Brumsted JR. Diagnosis and treatment of cornual obstruction using a flexible tip guidewire. Fertil Steril 1990; 53:232-236.

Brumsted JR, Deaton JL, Lavigne E, Riddick DH. Postoperative adhesion formation after ovarian wedge resection with and without ovarian reconstruction in the rabbit. *Fertil Steril* 1990; 53:723-726.

Deaton JL, Gibson M, Blackmer KM, Nakajima ST, Badger GJ, Brumsted JR. A randomized, controlled trial of clomiphene citrate and intrauterine insemination in couples with unexplained infertility or surgically corrected endometriosis. *Fertil Steril* 1990; 54:1083-1088.

Brumsted JR, McBean JH, Deaton JL, Gibson M. CA-125 secretion by luteal phase endometrium in vitro. *Human Reprod* 1990; 5:682-684.

Nakajima ST, Brumsted JR, Deaton JL, Blackmer KM, Gibson M. Endometrial histology after first trimester spontaneous abortion. *Fertil Steril* 1991; 55:32-35.

Miller KA, Deaton JL, Pittaway DE. The effect of serum from infertile women with endometriosis on fertilization and early embryonic development in a murine in vitro fertilization (IVF) model. *Fertil Steril* 1995; 64(3):623-626.

Deaton JL, Dempsey RA, Miller KA. Serum from women with polycystic ovary syndrome inhibits fertilization and embryonic development in the murine in vitro fertilization model. *Fertil Steril* 1996; 65:1224-1228.

Deaton JL, Bauguess P, Huffman CS, Miller KA. Pituitary response to early follicular-phase minidose gonadotropin releasing hormone agonist (GnRHa) therapy: Evidence for a second flare. *J Assist Reprod Genet* 1996; 13:390-394.

Miller KA, Deaton JL, Pittaway DE. Evaluation of serum CA 125 concentrations as predictors of pregnancy with human in vitro fertilization. *Fertil Steril* 1996; 65:1184-1189.

Deaton JL, Clark R, Bauguess P, Herbst P, Pittaway DE. Clomiphene citrate (CC) ovulation induction in combination with a timed intrauterine insemination (IUI): the value of urinary luteinizing hormone (LH) versus human chorionic gonadotropin (hCG) timing. *Fertil Steril* 1997; 68:43-47.

Deaton JL, Huffman CS, Bauguess P. Early transvaginal ultrasound following an accurately dated pregnancy: the importance of finding a yolk sac or fetal heart motion. *Human Reprod* 1997; 12:2820-2823.

Beiswanger JC, Deaton JL, Jarow JP. Partial ejaculatory duct obstruction causing early demise of ejaculated sperm. *Urology* 1998; 51:125-127.

Burke LM, Davenport AT, Russell GB, Deaton JL. Predictors of success after embryo transfer: Experience from a single provider. *Am J Obstet Gynecol* 2000; 182:1001-1004.

Abstracts:

Deaton JL, Hoffman JS, Saal H, Allred C, Koulos JP: Molar pregnancy coexisting with a normal fetus: report of two cases. Presented at the Sixth Annual Meeting of the New England Association of Gynecologic Oncologists, June 1986.

Nakajima ST, Brumsted JR, Chapitis J, Trainer TD, Kessler C, Deaton JL, Riddick DH, and Gibson M: The absence of progestational activity of oral spironolactone. The Endocrine Society 70th Annual Meeting, Abstract 723, P 201, June 1988.

Deaton JL, Gibson M, Riddick DH, Brumsted JR: Diagnosis and treatment of cornual occlusion using a flexible tip guidewire. The American Fertility Society 42nd Annual Meeting, October 1988.

Deaton JL, Gibson M, Nakajima ST, Blackmer KM, Abae M, Riddick DH, Brumsted JR: A randomized, prospective trial of clomiphene citrate and intrauterine insemination (CC/IUI) versus well-timed intercourse (WTI) in couples with unexplained infertility (UI) or surgically corrected endometriosis (SCE). The American Fertility Society 45th Annual Meeting, Abstract No. 0-005, S2, November 1989. Winner: Associate Members Prize Paper.

Brumsted JR, Deaton JL, Riddick DH: Adhesion formation after ovarian wedge resection with and without ovarian reconstruction. The American Fertility Society 45th Annual Meeting, Abstract 0-060, S26, November 1989.

Blackmer KM, Deaton JL, Gibson M: Effects of clomiphene citrate-intrauterine insemination (CC/IUI) on couples' overall marital satisfaction (OMS) and sexual relationship (SR). The American Fertility Society 45th Annual Meeting, Abstract No. P-012, S67, November 1989.

Nakajima ST, Brumsted JR, Deaton JL, Blackmer KM, Gibson M: Endometrial histology after spontaneous abortion (SAb). The Pacific Coast Fertility Society 38th Annual Meeting, Abstract No. P-7, S, April 1990.

Deaton JL, Chapitis J, Riddick DH, Brumsted JR: The effect of ovarian steroids on PGF₂ synthesis and degradation by epithelial and stromal cells of human endometrium. The American Fertility Society 46th Annual Meeting, Abstract No. O-105, Washington, D.C., October 13-18, 1990.

Deaton JL, Chapitis J, Riddick DH, Brumsted JR: The effect of ovarian steroids on PGF₂ synthesis and degradation by early luteal epithelial and stromal cells of human endometrium. Society for Gynecologic Investigation 38th Annual Meeting, San Antonio, Texas, March 20-23, 1991.

Brumsted JR, Shatos M, Deaton JL, Gibson M. Urokinase plasminogen activator production by luteal phase endometrium in vitro. Society for Gynecologic Investigation 38th Annual Meeting, Abstract No. 405, San Antonio, Texas, March 20-23, 1991.

Pittaway DE, Ginsberg D, Deaton JL. Serum human chorionic gonadotropin (hCG) dynamics in surgically proven ectopic pregnancies. The American Fertility Society 49th Annual Meeting, Abstract No. P-186, Montreal (Quebec), Canada, October 9-14, 1993.

Miller K, Pittaway DE, Deaton JL. The effect of serum from patients with endometriosis on fertilization and early embryonic development in a murine in vitro fertilization (IVF) model. The American Fertility Society 49th Annual Meeting, Abstract No. P-060, Montreal (Quebec), Canada, October 9-14, 1993.

Dempsey RA, Miller KA, Deaton JL. Serum from women with polycystic ovarian disease inhibits fertilization and embryonic development in the murine in vitro fertilization (IVF) model. Society for Gynecologic Investigation 41st Annual Meeting, Chicago, Illinois, March 21-26, 1994.

Spencer TM, Deaton JL, Miller KA. Serum from patients with polycystic ovarian disease inhibits fertilization in a murine in vivo model. 2nd place winner of Bowman Gray School of Medicine Student Poster Contest, September 1993.

Deaton JL, Huffman CS, Bauguess P. Pituitary and ovarian response to early follicular phase mini dose gonadotropin releasing hormone agonist (GnRHa) therapy: evidence for a persistent flare effect. The

American Fertility Society 50th Annual Meeting, Abstract No. P-110, San Antonio, Texas, November 5-10, 1994.

Clark R, Bauguess P, Herbst P, Pittaway DE, Deaton JL. Clomiphene citrate (CC) ovulation induction in combination with a timed intrauterine insemination (IUI): the value of urinary luteinizing hormone (LH) versus human chorionic gonadotropin (hCG) timing. The American Fertility Society 50th Annual Meeting, Abstract No. P-338, San Antonio, Texas, November 5-10, 1994.

Miller KA, Deaton JL, Pittaway DE. The effect of CA-125 concentration in serum from infertile women with endometriosis on fertilization and early embryonic development in the murine in vitro fertilization (IVF) model. The American Fertility Society 50th Annual Meeting, Abstract No. 0-076, San Antonio, Texas, November 8, 1994.

Huffman CS, Deaton JL. The use of music in reducing pain and anxiety in patients undergoing transvaginal oocyte aspiration (TVOA). The American Fertility Society 50th Annual Meeting, Abstract No. 0-102, San Antonio, Texas, November 8, 1994.

Deaton JL. Early transvaginal ultrasound (TVU) following embryo transfer: the importance of finding an intrauterine sac (IUS) or yolk sac. The American Society for Reproductive Medicine 51st Annual Meeting, Seattle, Washington, October 9, 1995.

Miller KA, Deaton JL, Pittaway DE. Elevated serum CA 125 concentration on the day of HCG administration is a predictor of pregnancy (PG) with in vitro fertilization (IVF). The American Society for Reproductive Medicine 51st Annual Meeting, Seattle, Washington, October 9, 1995.

Pittaway DE, Deaton JL, Miller KA, Rondinone D. Evaluation of assisted reproductive techniques (ART) in infertile women with endometriosis and elevated CA 125 concentrations. Vth World Congress on Endometriosis, Yokohama, Japan, October 23, 1996.

Miller KA, Deaton JL, Pittaway DE. The effect of CA 125 concentrations in serum from infertile women with endometriosis on fertilization and early embryonic development in a murine in vitro fertilization model. Vth World Congress on Endometriosis, Yokohama, Japan, October 23, 1996.

Weinberg RB, Anderson RA, Bauguess P, Deaton JL, Pennington LH. Effects of IVF-induced acute hyperestrogenemia on plasma lipoprotein levels and oxidation susceptibility. Council on Arteriosclerosis, Thrombosis, and Vascular Biology for the 70th Scientific Session of the American Heart Association, Orlando, Florida, November 9, 1997.

Honoré GM, Deaton JL, Pittaway DE, Schenken RS. Maternal age is a predictor of pregnancy outcome after early detection of cardiac activity in infertile women. The American Society for Reproductive Medicine 53rd Annual Meeting, Cincinnati, Ohio, October 21, 1997.

Deaton JL, Russell G, Burke L. Predictors of success following an embryo transfer - experiences from a single provider. The American Society for Reproductive Medicine 54th Annual Meeting, San Francisco, California, October 8, 1998.

COMMUNITY ACTIVITIES AND SERVICE:

1994-1998	Board Member, Carolina Adoption Services
1998-Present	Elder, Reynolda Presbyterian Church
2006-Present	Board Member, Sharing the Light Ministries

TEACHING PORTFOLIO

AWARDS FOR TEACHING AND MEDICAL EDUCATION:

1983	Vanderbilt University School of Medicine Award for Distinction in Medical Education
1995	Rated second most effective teacher, Department of Obstetrics and Gynecology, Bowman Gray School of Medicine
1996	Rated most effective teacher, Department of Obstetrics and Gynecology, Bowman Gray School of Medicine
1997	Resident Teaching Award, Department of Obstetrics and Gynecology, Bowman Gray School of Medicine

INSTRUCTIONAL INNOVATIONS:

1997-2002	Member, Curriculum for 2002 Committee
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SELECTED LECTURES AND ORAL PRESENTATIONS (Since 1995):

"The Use of the Transvaginal Ultrasound in the Office Setting," Catawba Memorial Hospital, Hickory, North Carolina, February 1, 1995.

"PCO Serum Inhibits Fertilization Rates," Symposium on Polycystic Ovary Syndrome, Boston, Massachusetts, May 21, 1995.

"Advances in Assisted Reproduction," Alumni Weekend Mini-Symposia, Bowman Gray School of Medicine, Winston-Salem, North Carolina, November 3, 1995.

"Polycystic Ovary Syndrome," Grand Rounds, Forsyth Memorial Hospital, Winston-Salem, North Carolina, January 3, 1996.

"Ovulation Induction," Grand Rounds, Forsyth Memorial Hospital, Winston-Salem, North Carolina, January 7, 1998.

"Assisted Reproductive Technology Success Rates," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, November 14, 1998.

"Unexplained Infertility," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, February 10, 1999.

"IVF and Blastocyst Transfer," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, January 5, 2000.

"Mullerian Anomalies," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, April 12, 2000.

SELECTED LECTURES AND ORAL PRESENTATIONS: (Continued)

"Recurrent Pregnancy Loss," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, January 3, 2001.

"An Update on Ovulation Induction," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, April 10, 2002.

"IVF: An Update," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, October 30, 2002.

"New Resident Duty Hours," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, February 26, 2003.

"Infertility – State of the Art," First Annual Bronnenberg Symposium, Frye Regional Medical Center, Hickory, North Carolina, March 25, 2003.

"Mullerian Anomalies," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, April 16, 2003.

2003 Emory Postgraduate Course in Obstetrics and Gynecology, Amelia Island Plantation, Amelia Island, Florida, May 21-28, 2003.

"Vaginal Bleeding and Positive Pregnancy Test," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, August 27, 2003.

"Infertility with Insulin Resistance," Grand Rounds, Twin County Regional Hospital, Galax, Virginia, September 10, 2003.

"Unexplained Infertility," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, January 14, 2004.

"Delivering Difficult News," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, January 21, 2004.

"The Infertile Couple in the 21st Century – An Educated Consumer," Grand Rounds, Forsyth Medical Center, Winston-Salem, North Carolina, October 13, 2004.

"Amenorrhea During the Reproductive Years" and "The Infertile Couple in the 21st Century – An Educated Consumer," 25th Annual Mountain Medical Meeting, Asheville, North Carolina, October 30, 2004.

"Ovulatory Disorders," Grand Rounds, Rowan Regional Medical Center, Salisbury, North Carolina, February 24, 2005.

"The IVF Couple in the 21st Century – An Educated Consumer," Grand Rounds, Women's Hospital, Greensboro, North Carolina, March 16, 2005

2006 Emory Postgraduate Course in Obstetrics and Gynecology, Amelia Island Plantation, Amelia Island, Florida, May 25-31, 2006. Lectures: Mullerian Anomalies, Ovulation Induction, IVF.