

THOMAS C. VAUGHN, M.D.

Curriculum Vitae

BIOGRAPHICAL

Date of Birth: 04 August 1948
Place of Birth: Dallas, Texas

EDUCATION

1978.80 Postgraduate Fellowship, Reproductive Endocrinology,
Department of Obstetrics and Gynecology, Duke University
Medical Center, Durham, North Carolina
1974.77 Residency, Department of Obstetrics and Gynecology University
of Texas
Medical Branch, Galveston, Texas
1970-74 MD, University of Texas Medical Branch, Galveston, Texas
1967-70 BA, Mathematics, University of Texas, Austin, Texas
1966-67 University of Texas, Arlington, Texas

PROFESSIONAL AND TEACHING EXPERIENCE

1999–Present Clinical Professor, Division of Reproductive Endocrinology and
Infertility, Department of Obstetrics and Gynecology, University
of Texas Medical Branch, Galveston, Texas
1986-Present Clinical Associate Professor, Division of Reproductive
Endocrinology and Infertility, Department of Obstetrics and
Gynecology, University of Texas Health Science Center, San
Antonio, Texas
1980-86 Clinical Assistant Professor, Division of Reproductive
Endocrinology and Infertility, Department of Obstetrics and

- Gynecology, University of Texas Health Science Center, San Antonio, Texas
- 1979.80 Assistant Professor, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, Duke University Medical Center, Durham, North Carolina
- 1978.79 Associate, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, Duke University Medical Center, Durham, North Carolina
- 1977.78 Assistant Professor, Department of Obstetrics and Gynecology, University of Texas Medical Branch, Galveston, Texas
- 1977 Instructor, Department of Obstetrics and Gynecology, University of Texas Medical Branch, Galveston, Texas
- 1973 Teacher Assistant, Department of Anatomy, University of Texas Medical Branch, Galveston, Texas
- 1969-70 Research Assistant, Division of Organic Chemistry Research, Mobile Oil Corporation, Dallas, Texas
- 1967-70 Teacher Assistant, Department of Mathematics, University of Texas

ACADEMIC TITLE

Clinical Professor, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of Texas Medical Branch, Galveston, Texas

Clinical Associate Professor, Division of Reproductive Endocrinology and Infertility, Department of Obstetrics and Gynecology, University of Texas Health Science Center, San Antonio, Texas

BOARD CERTIFICATION

Diplomate of the Subspecialty Board of Reproductive Endocrinology/Infertility, American Board of Obstetrics and Gynecology, November 1982

Diplomate of the American Board of Obstetrics and Gynecology, November 1979

HOSPITAL STAFF APPOINTMENTS

Bailey Square Surgical Center, Austin, Texas

Brackenridge Hospital, Austin, Texas

North Austin Hospital, Austin, Texas

North Austin Surgical Center

Renaissance Women's Center, Austin, Texas (Hospital closed 2001)

Round Rock Hospital
Seton Medical Center, Austin, Texas
Seton Northwest Hospital, Austin, Texas
South Austin Medical Center, Austin, Texas
St. David's Medical Center, Austin, Texas
University of Texas Health Science Center, San Antonio, Texas (Consultant)

MEDICAL LICENSURE

State of Texas, #E2912 (September 1974)

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS AND SOCIETIES

American College of Obstetricians and Gynecologists (Fellow)
American Society for Reproductive Medicine
 Society of Assisted Reproductive Technologies (Charter Member)
 Society of Reproductive Endocrinologists (Charter Member)
 Member of the Board of Directors (1994-1995)
 Society of Reproductive Surgeons (Charter Member)
Texas Association of Obstetricians and Gynecologists (1980-2001)
Texas Medical Association
Austin Society of Endocrinologists (President 1983-88)
Austin Society of Obstetricians and Gynecologists (President 1986-87)
Travis County Medical Society
F. Bayard Carter Obstetrical and Gynecological Society
Willard R. Cooke Obstetrical and Gynecological Society (Active Fellow)
Charles B. Hammond Society (Active Fellow)
Lambda Chi Alpha Fraternity
Mu Delta Honorary Service Society
Phi Chi Medical Fraternity

HONORS

2004- present Texas Super Doctors
2000-01 Stratmore's Who's Who – Honored Member
1999 Who's Who (National Registry – Life Member)
1998 Outstanding American
1998 Who's Who for Executives & Professionals
1998 Who's Who (National Registry - #12265)
1996-97 The Best Doctors in America (Registry #135193)
1996 International Who's Who of Professionals
1995 Who's Who of Executives and Professionals
1986 Who's Who in Texas Today

1986 Who's Who in Texas
1985 Who's Who in Austin, Austin Business Journal
1979 Jeane B. Kempner Scholarship (Research Grant)
1978 Outstanding Young Men of America
1974 Who's Who Among Students of American Colleges and Universities
1972-74 Mu Delta Honorary Service Society
1970 BA - Degree with Honors
1968-70 Alpha Epsilon Delta (Pre-Med Honorary Society)
1967 Honor Roll, University of Texas, Arlington, Texas
1966-67 Finalist for Freshman Math Student of the Year, University of Texas,
Arlington, TX

ADDITIONAL INFORMATION

SETON Network

President of SETON Network, 2001
Member of SETON Board, 1999-2001
Member of SETON Board Executive Committee, 2001
Member of SETON Fund, 2001
Member of Finance Committee, SETON Network, 2001
Chief of Medical Staff, Seton, Medical Center, 1999, 2000, 2001
Vice-Chief of Medical Staff, Seton Medical Center, 1997, 1998
Secretary of Medical Staff, Seton Medical Center, 1995, 1996
Past Chief of Medical Staff, Seton Medical Center, 2002-2003
Chair, Medical Quality Improvement Committee, Seton Medical Center,
1999, 2000, 2001
Member, SETON Network Clinical Quality Care Council, 1999, 2000, 2001
Member, SETON Network Credentials Committee, 1997, 1998
Chair, SETON Network Bylaws Committee, 2002
Member, Seton Medical Center Bylaws Committee, 1997, 1998, 2002,
2003, 2006
Member, SETON Network Medical Executive Committee, 1995 - 2002
Chairman, SETON Network Technology Assessment Committee, 1992 –
1995
Member, SETON Network Planning Council, 1991 – 1994
Member, Seton Medical Center Medical Executive Committee, 1989 – -1993,
1995-2003, 2004-present
Chief, Department of Obstetrics and Gynecology, Seton Medical Center,
1989

Renaissance Women's Center

Member, Advisory Board, 1996 – 2001
Member, Medical Executive Committee, 1996 – 2001

St. David's Medical Center

Program Director, Assisted Reproductive Technology (ART) Program, 1984
– present

RESOLVE Central Texas Chapter

Member, Board of Directors, 1985 – 1993

Society for Assisted Reproductive Technology

Member, Research Committee, 1994 – 1995

Member, Registry Committee, 1992 – 1994

Texas Society for Assisted Reproductive Technology

Program Chairman, Annual Meeting, 1990 – 1993

Program Co-Chairman, Annual Meeting, 1986, 1988, 1996, 1998

Member, Board of Directors, 1994 – present

Society of Reproductive Endocrinologists

Member, Board of Directors, 1994 – 1995

Membership Chairman, 1994 – 1995

Health Watch, Medical Director for Evening News, Public Service, KXAN
Channel 36, 1985-1986

American Medical Association

Physician Recognition Award, 1979 – 1982

Society of Reproductive Medicine

Member, Society Development Committee, 1984-1985

Member, Committee to Encourage Endometriosis Classification Use, 1984-
1985

Travis County Medical Society

Member, Public Relations Committee, 1994 – 1998

Chairman, Public Relations Committee, 1997 – 1998

Chairman, Nominating Committee, 2002

The Austin Symphony

Member, Nominating Committee, 1999 – 2001

Member, Endowment Committee, 1998 – 2002

Vice-President, Executive Board, 1996 – present

Member, Investment Committee for Endowment, 1996 – 2003

Member, Executive Committee, Board of Directors, 1994 - present

Member, Board of Directors, 1992 – present

The Austin Lyric Opera, Member, President's Council, 1997 – present

Austin Medical Plaza Executive Committee, Chairman, 1992 – present

Co-Director, Postgraduate Education, Department of Obstetrics and Gynecology,
University of Texas Medical Branch (UTMB), Galveston, Texas, 1977-1978

Medical School Activities - University of Texas Medical Branch

Student Body Treasurer

Student American Medical Association (Vice President)

Representative to the Association of American Medical Colleges

Liaison, Interfraternity Council and UTMB Student Government

PUBLICATIONS

1. Vaughn TC and Powell LC: Obstetrical Management of Conjoined Twins. *Obstet Gynecol* 53:67s-72s, 1979
2. Vaughn TC: Vaginal Smears for Estrogenic Effect. *Texas Medicine* 75:52, 1979
3. Vaughn TC and Hammond CB: Diagnosing and Treating the Hirsute Woman. *Contemporary OB-GYN*, 15: 25-48, 1980
4. Vaughn TC, Haney AF, Wiebe RH, Kramer RS, and Hammond CB: Spontaneous Regression of Prolactin-Producing Pituitary Adenomas. *Am J Obstet Gynecol* 136:980, 1980
5. Vaughn TC and Hammond CB: Prolactin-Producing Tumors: Medical Therapy. *Clin Obstet Gynecol* 23:403, 1980
6. Vaughn TC, Wiebe RH, and Hammond CB: Postpartum Hypopituitarism and Hyperprolactinemia. *Am J Obstet Gynecol* 137:749, 1980
7. Vaughn TC, Surwit EA, and Hammond CB: Late Recurrences of Gestational Trophoblastic Neoplasia. *Am J Obstet Gynecol* 138:73, 1980
8. Vaughn TC and Hammond CB: Estrogen Replacement Therapy in the Postmenopausal Female. *Clin Obstet Gynecol* 24:253-283, 1981
9. Quigley MM, Vaughn TC, Hammond CB, and Haney AF: Production of Testosterone and Estrogen In Vitro by Gonadal Tissue from a 46 XY True

Hermaphrodite with Gonadal Failure and Gonadoblastoma. *Obstet Gynecol* 58:253, 1981

10. Vaughn TC: Danazol and Fibrocystic Disease. *Consultant* 129, 1983
11. Vaughn TC: Dysfunctional Uterine Bleeding: *Seminars in Reproductive Endocrinology* 2:359-364, 1984
12. Diamond MP, Bachus, K...Vaughn TC, et al: Reduction of de novo postsurgical adhesions by intraoperative precoating with Sepracoat* (HAL-C) solution: a prospective, randomized, blinded, placebo-controlled multicenter study. *Fertil Steril* 69: 1067, 1998
13. Vaughn TC and Jones HC: Laparoscopic Repair of Bilateral Inguinal Hernias in a Patient with Mullerian Agenesis. *Fertil Steril* 73:1238, 2000
14. Daimond MP ...Vaughn TC, et al: Serum Electrolytes, Chemistries, and Blood Cell Counts after Gynecologic Surgery in Healthy Women. *J Gynecol Tech.* 2001
- 15.** Silverberg KM, Vaughn TC: Unexplained Infertility. In *Gynecology and Obstetrics*. Maryland Publishing Services. 2003

GRANTS

Merck Foundation Award for Development of an Educational Program on Amenorrhea

Jeane B. Kempner Foundation (Galveston, Texas) to study Intrafollicular Control of Ovarian Follicular Steroidogenesis

Genzyme Corporation "Evaluation of the Safety and Effectiveness of HAL-C Coating Solution In Surgery"

Ethicon Corporation: Interceed*(TC7) Absorbable Adhesion Barrier: Laparoscopic Trial (Protocol #GC-96-07/8009)

Life Medical Sciences, Inc: A Comparative, Evaluator-Blinded, Randomized, Parallel, Multicenter Study to Determine the Efficacy and Safety of REPEL™ for the Reduction of Post-Surgical Adhesions after Myomectomy by Laparotomy (Protocol #LMS9801RM)

ML Laboratories, "A Pivotal, Double-Blind, Comparative, Multicentre Study to determine the Efficacy and Safety of Adept in the Reduction of Post-Surgical Adhesions After Laparoscopic Surgery", 2003

Serono Laboratories, Inc. "A Phase III, Prospective, Randomized, Controlled, Double-Blind, Multicenter Study to Confirm the Efficacy and Safety of Recombinant Human Luteinizing Hormone (r-hLH), 75 IU (3.4 mcg), Administered Subcutaneously, to Support Recombinant Human Follicle Stimulating Hormone (r-hFSH)-Induced Follicular Development in Women with Hypogonadotropic Hypogonadism and Severe LH Deficiency who Desire Pregnancy" Principal Investigator

Serono Laboratories, Inc. "A Phase III, Multicenter, Double-Blind, Randomized, Parallel Group Study to Compare the Safety and Efficacy of Recombinant Human Luteinizing Hormone (rhLH) with Profasi (urinary human chorionic gonadotropin) in Inducing Final Follicular Maturation and Early Luteinization in Infertile Women Undergoing Ovarian Stimulation with Gonal-F (recombinant human follicle stimulating hormone) Prior to In Vitro Fertilization and Embryo Transfer (IVF/ET)" Principal Investigator

AUDIO-VISUAL

Powell LC and Vaughn TC: "Obstetrical Management of Conjoined Twins", 16 mm, color, sound, 16 minutes, 1977

ABSTRACTS

1. Vaughn TC, Haney AF, and Schomberg DW: Estrogen Production in Maturing Porcine Follicles: Relationships Between Granulosa Estrogen, Thecal Estrogen, and Thecal Testosterone. Soc Gynecol Invest, Abst #135, March 1980
2. Diamond MD, Bachus K, ...Vaughn TC, et al: Precoating with Supracoat (HAL-C) Reduces Postoperation DeNovo Adhesion Formation in A Multicenter Randomized, Placebo-Controlled Gynecologic Clinical Trial. Presented at the 43rd Annual Meeting of The Society for Gynecologic Investigation, Philadelphia, PA, March 20-23, 1996
3. Silverberg KM...Vaughn TC, et al: Ultra-Low Dose Lupron Flare Offers Improved Outcome for Poor Responders. Presented at the 55th Annual Meeting of the American Society for Reproductive Medicine. Totronto, Canada. Abst #30, September 1999
4. Silverberg KM...Vaughn TC, et al: Clomiphene Citrate Improves Sperm Quality and Fertility in Hypogonadal, Oligospermic Males. Presented at the

55th Annual Meeting of the American Society for Reproductive Medicine.
Toronto, Canada. Abst #399, September 1999

5. Silverberg KM...Vaughn TC, et al: Recombinant Human Follicle Stimulating Hormone (r-hFSH, Gonal-F®) and Leuprolide Acetate (LA, Lupron®) Administered in Single or Separate Injections in Women Undergoing In Vitro Fertilization (IVF): Preliminary Results. Presented at the Annual Meeting of the European Society of Human Reproduction and Endocrinology, Bologna, Italy. June 2000
6. Montgomery Rice V...Vaughn T: Patient Tolerance to Recombinant Human Follicle Stimulating Hormone (r-hFSH, Gonal-F®) Administered in Single or Separate Injections in Women Undergoing In Vitro Fertilization (IVF): Preliminary Results. Presented at the 56th Annual Meeting of the American Society for Reproductive Medicine, San Diego, California. October 2000
7. Silverberg KM...Vaughn TC, et al: The Intercycle Variability in Patients Treated with Repeated Cycles of Gonadotropins is Due to Intrinsic Factors and is Not Eliminated by Recombinant Gonadotropins. Presented at the 56th Annual Meeting of the American Society for Reproductive Medicine, San Diego, California. October 2000
8. Silverberg KM...Vaughn TC, et al: Weight Correlates with Gonadotropin Requirements and Patient Response. Presented at the 56th Annual Meeting of the American Society for Reproductive Medicine, San Diego, California. October 2000
9. Silverberg KM... Vaughn TC, et al: Poor Response to Ovarian Hyperstimulation Predicts Spontaneous Ovulation. Presented at the 57th Annual meeting of the American Society for Reproductive Medicine, Orlando, Florida. October 2001
10. Silverberg KM ... Vaughn TC, et al: Recombinant FSH Provides More Efficient, Cost-Effective Stimulation for Ovulation Induction/Intrauterine Insemination (OI/IUI) Cycles Than Highly Purified urinary FSH. Presented at the 57th Annual Meeting of the American Society for Reproductive Medicine. Orlando, Florida. October, 2001
11. Silverberg KM... Vaughn TC, et al: High order multiples and gonadotropin/IUI cycles: how can we reduce the risks? Presented at the 60th Annual Meeting of the American Society for Reproductive Medicine, Philadelphia, PA, October 20, 2004

12. Brown CB (Vaughn TC – principle investigator), et al: Effectiveness of 4% icodextrin in a pivotal adhesion reduction trial in the USA. Presented at the 58th Annual Meeting American Society for Reproductive Medicine Montreal, Canada, October 15,2005
13. Brown ... (Vaughn TC – principle investigator), et al: Hydroflotation as a means to reduce post-adhesions: results of a pivotal adhesion reduction trial in the USA. Presented at the 58th Annual Meeting American Society for Reproductive Medicine Montreal, Canada, October 15,2005
14. Brown (Vaughn TC – principle investigator), et al: American Fertility Society score as a measure of the effectiveness of 4% icodextrin in a pivotal adhesion reduction trial in the USA. Presented at the 58th Annual Meeting American Society for Reproductive Medicine Montreal, Canada, October 15,2005
15. Brown (Vaughn TC – principle investigator), et al: Safety and tolerability of 4% icodextrin in a pivotal adhesion reduction trial in the USA. Presented at the 58th Annual Meeting American Society for Reproductive Medicine Montreal, Canada, October 15,2005
16. Silverberg KM ... Vaughn TC: Suboptimal embryo morphology on day 3 does not predict poor pregnancy potential. *Fertility and Fertility: September 2005 Vol 84 Issue (Supplement 1) pages S182-S183.* Presented at the 61st Annual Meeting of the American Society for Reproductive Medicine. Orlando, Florida. October, 2005
17. Silverberg KM ... Vaughn TC: Choosing the optimal incubator environment for day 3 culture: Triple gas vs. 5% CO₂ in Air, A prospective, randomized trial. *Fertility and Sterility: September 2005. Vol 84, Issue (Supplement 1), page S88.* Presented at the 61st Annual Meeting of the American Society for Reproductive Medicine. Orlando, Florida. October, 2005
18. Silverberg, KM ... Vaughn TC: Recombinant FSH alone vs. combination FSH/LH stimulation: a prospective trial. *Fertility and Sterility: September 2006 Vol 86, Issue 3 (Supplement), page S439-S440* Presented at the 62nd Annual Meeting of the American Society for Reproductive Medicine. Orlando, Florida. October, 2006
19. Silverberg KM ... Vaughn TC: determining the predictive value of day 3 embryonic morphology and cell stage on ultimate embryo quality. *Fertility and Sterility: September 2006 Vol 86, Issue 3 (Supplement), page S235.* Presented at the 62nd Annual Meeting of the American Society for Reproductive Medicine. Orlando, Florida. October, 2006
20. Brown CB ... (Vaughn TC – principle investigator) ..., et.al. Adept (icodextrin 4% solution) reduces adhesions after laparoscopic surgery for adhesiolysis: a double-blind, randomized, controlled study. Corrected proof. March 2007 *Fertility and Sterility*
21. Turner T ... Vaughn TC: Determining the predictive value of day 3 embryonic morphology and cell stage on ultimate embryo Quality: Submitted for presentation to ASRM
22. Fields R ... Vaughn TC: Can we predict blastocyst viability based on day 3 embryo development? Submitted for presentation to ASRM

PUBLICATIONS (CONTRIBUTOR)

1. Cooper JE and Paul JM: Sodium Alkylbenzene sulfonates from Phenols. J Chem En D 15(4): 586, 1970
2. Hammond CB, Wiebe RH, Haney AF, and Yancy SG: Ovulation Induction with Luteinizing Hormone-Releasing Hormone (LRH) in Amenorrheic, Infertile Women. Am J Obstet Gynecol 135:924, 1979
3. Haney AF and Schomberg DW: Estrogen and Progesterone Production by Porcine Follicles In Vitro: Compartmental Changes with Maturation