

CURRICULUM VITAE

Manubai Nagamani, M.D.
Reproductive Endocrinology and Infertility
Houston Bay Area Fertility Center
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Webster, Texas 77598
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BIOGRAPHICAL: Married, One child

CITIZENSHIP: USA

TRAINING:

- 1972 - 1975 Residency In Obstetrics and Gynecology
- 1975 - 77 NIH Post Doctoral Fellowship in Reproductive
Endocrinology and Infertility
Medical College of Georgia
Augusta, Georgia

PROFESSIONAL EXPERIENCE:

- 1975 - 77 Faculty Fellow, Medical College of Georgia,
Augusta, Georgia
- Jan 1978 - 81 Assistant Professor
Department of Obstetrics and Gynecology
University of Texas Medical Branch
Galveston, Texas
- 1981 - 87 Associate Professor
Department of Obstetrics and Gynecology
University of Texas Medical Branch
Galveston, Texas
- 1980 - 2009 Director,
Division of Reproductive Endocrinology
Department of Obstetrics and Gynecology
University of Texas Medical Branch
Galveston, Texas
- 1987 - Professor,

2009 Department of Obstetrics and Gynecology
University of Texas Medical Branch
Galveston, Texas

1989 - Vice Chairman for Academic Affairs
2007 Department of Obstetrics and Gynecology
University of Texas Medical Branch
Galveston, Texas

GRANTS:

1. Wyeth - Ayerst Pharmaceuticals Research. (2006 - 2008) Bazedioxifene acetate and conjugated estrogens in vaginal atrophy. Principal Investigator \$102,406
2. DAMD17-01-1-0417 (BC004028) (08/01/2002 - 07/30/2008): Department of Defense: US Army Medical Research Program. "Soybean Diet and Breast Density". The goal of this project is to investigate the effect of isoflavone free soy diet on ovarian hormone levels and on breast density in normal women. Co-Investigator. \$2,983,163. PI: Dr.LU
3. NIH 1R01CA95545-01 (09/15/2003-08/31/2008): "Mammographic density and soy isoflavones". The major goal of this project is to study the effects of supplementation of pills containing isoflavones on ovarian hormones and mammographic density in premenopausal women. Co-Investigator. \$2,070,416. PI: Dr.Lu
4. NIH R01 HL072650-01 (12/01/2002-11/30/2007): "Uterine Infection, and Nitric Oxide". Co-Investigator. \$225,000/year. PI: Dr.Yallampalli
5. Lilly Research Laboratories (07/01/2002-6/30/2008): "Effect of Raloxifene on Insulin Sensitivity in Normal Postmenopausal Women". Principal Investigator. \$101,000.
6. NIH K12 HD01269 (05/01/2004-04/30/2009): "UTMB WRHR Career Development Center of Excellence". Co-Investigator. \$369,318/year. PI: Dr.Anderson

PREVIOUS:

2005-2007 NIH HD050266-01 (07/26/2005-6/30/2007): "Adrenomedullin and Human Trophoblast Invasion". The major goals of this project is to investigate the role of adrenomedullin implantation. Co-Investigator. \$200,000. PI: Dr.Dong

- 2002 -2007 Wyeth Research (07/01/2002-12/31/2008): "Efficacy of Bazedoxifene/Conjugated Estrogen Combinations in Prevention of Osteoporosis in Postmenopausal Women". Principal Investigator. \$321,000.
- 2005-2007 NIH HD046639 (04/01/2005-03/31/2007): "Reversal of Infertility in Ovarian Failure". The major goals of this project are: Construct and propagate two adenoviral vectors expressing FSHR (Ad-FSHR), Express FSHR in COS and granulosa cell lines using adenovirus, and Reverse ovarian failure in FORKO mice and render them fertile via in vivo delivery of Ad-FSHR. Co-I. \$420,000. PI: Dr. Al Hendy
- 2003-2007 Proctor and Gamble "Efficacy and Safety of Transdermal Testosterone in Postmenopausal Women on Hormone Replacement Therapy". Principal Investigator. \$230,000.
- 2001-2004 AICR 018110
American Institute for Cancer Research - "Comparative Hormonal Effects of Animal Protein and Soy Protein". Co-Investigator. 5% effort \$164,000.
- 1998-2003 Core Director: Clinical Studies Core. WRHRC Career Development Center Award (HD-98-004) \$1,989,409- Dates of funding: 9/30/98 - 9/29/2003. (P.I.: Dr. Anderson)
- 1996-2001 NIH: R01 CA65628-01 "Molecular studies of Phytoestrogens and Breast Cancer Prevention" \$779,826. Co-investigator. 5% effort July 1 '96 - June 30, 2001.
- 1996-2001 NIH: R01 CA56273 Pharmacokinetics of Soybean Anticarcinogens in Humans. \$711,104. Co-investigator 5% effort. PI- Dr Lee-Jane Lu. July 1, 1996 - June 30, 2001.
- 2001-2003 Insmed Pharmaceuticals: " D-Chiro-Inositol (Ins-1) on the Ovulatory, Endocrine and Metabolic abnormalities of Women with Polycystic Ovary Syndrome." Principal Investigator \$ 107,375.
- 1996-2001 Lilly Research Laboratories:
Comparison of Raloxifene Hcl, Estrogen and Placebo on the uterus in healthy post menopausal women \$164,000. Principal Investigator.

- 1995 -2000 NIH R01-CA45181: " Ovarian steroids in Postmenopausal Women with Endometrial Cancer" Principal Investigator. 30% Effort..
- 1996- 2000 Proctor and Gamble Pharmaceuticals:
Multicenter study protocol to determine the lowest effective continuous and sequential transdermal NETA dose required to prevent estrogen induced endometrial hyperplasia. \$62,125.
- 1996- 2000 Zeneca Pharmaceuticals Group:
Controlled study of Zoladex depot plus iron versus Sham plus iron for pre-operative management of iron deficiency anemia due to uterine fibroids. \$42,130.
- 1984 - 86 Grant from Boehringer Ingelheim for the study, Dixarit TTS in Treatment of Menopausal Syndrome. - \$20,700. Principal Investigator.
- 1986 - 90 Grant from Hoechst Roussel Pharmaceuticals for the study - 'Comparative Study of Buserelin (LH RH Analogue) and Danazol in the treatment of endometriosis \$90,000 Principal Investigator.
- 1988 - 94 NIH 1-R01-Ca45181: "Ovarian steroids in postmenopausal women with endometrial cancer -\$292,079. July 1, 1988 - June 31, 1993. Principal Investigator 25% Effort.
- 1989 - 92 Grant from Schering Plough Corporation: 17fl Estradiol buccal tablets in the treatment of menopausal hot flashes. \$90,442 Principal Investigator.
- 1990 - 91 NIH Small instrumentation program Grant - \$6,895 Principal Investigator.
- 1990 - 91 UTMB Small Grants Program - Carbondioxide laser versus microelectro-surgery for the treatment of distal tubal obstruction in the rabbit model: macroscopic histologic, and physiologic evaluation of peritoneum and plasminogen activator changes - \$12,500. Co-investigator. PI - Dr. Schnell.
- 1990 - 93 Syntex Research - 'Ninety days of treatment with intranasalnaferelin acetate (Synarel) plus Iron vs. Iron alone to improve anemia before surgical treatment of uterine leiomyoma -\$29,577. Co-investigator. PI - Dr. Schnell.

- 1991 - 93 3M Pharmaceuticals/Biopharm Clinical Services, Inc.
Multicenter study comparing the efficacy and safety of once-a week Estradiol Transdermal patch with placebo and Premarin - \$18,248. Co-investigator. PI - Dr. Schnell.
- 1992 - 95 Advanced Research and Technology Program Grant :
"Use of Frog Extract in Diagnosing Male Unexplained Infertility Patients"
\$122,784. Co-Principal Investigator.
- 1993 - 95 Zeneca Pharmaceuticals, Zoladex Therapy with or without hormone replacement therapy for treatment of endometriosis. \$ 90,500. Principal investigator.
- 1994 - 95 Tap Pharmaceuticals Inc: "An Open-label, Multicenter Study to Evaluate the Safety and Efficacy of Two dosing Schedules of Lupron Inhalation therapy for the management of Endometriosis" Co-Investigator \$60,000.
- 1990 - 95 NIH: "The Insulin Resistance of Acanthosis Nigricans". December 1, 1989 - November 30, 1995. \$967,404. Co-Investigator, Principal Investigator - Dr. Charles Stuart.
- 1991 - 94 NIH R01 56273 Pharmacokinetics of Soybean Anticarcinogens in Humans. \$602,913. Co-Investigator, Principal Investigator - Dr. L-J. Lu.
- 1996 - 97 Bridging grant from John Sealy Memorial Endowment \$14,995. Co-Investigator, Principal Investigator - Dr. L-J.W. Lu.
- 1996 - 99 American Institute for Cancer Research. "Soy Bean Diet and Breast Cancer Prevention." January, 1996 - December, 1999, \$164,527. Co-investigator, Principal Investigator - Dr Lee-Lu.
- Jane
1975 - 77 Post Doctoral Research Fellowship in Reproductive Endocrinology and Infertility, Medical College of Georgia, Augusta, Ga. "Supported by Training Grant No. 5 TOIHD 0112-09 from National Institute of Health, Bethesda, Maryland.

COMMITTEE RESPONSIBILITIES:

NATIONAL

1985, 1986	Endocrine Society Scientific Program Advisory Committee
1989	Chairman, Paul G. McDonough Reproductive Endocrine Society
1994	NIH Study Section on Menopause
1995	NIH Reproductive Biology Study Section
1999	NIH Special Emphasis Panel for Review of Women's Reproductive Health Research (WRHR) Career Development Center Grants
2000	NIH Special Emphasis Panel For Review Women's Interdisciplinary Research Career Development Grants.
2001	NIH panel to review proposals for Cooperative Reproductive Science Research Centers at minority institutions.
2002 - present	American Association of Clinical Endocrinologists, Continuing Medical Education Committee.
2004 - 2009	Society for the Study of Reproduction, Clinical correlations Committee.
2006	Certification Practice Analysis Task Force

UTMB

1981 - 90	Pharmacy and Therapeutics Committee
1987 - 90	Committee on Research
1987 - 90	Evaluation Committee for three year graduates
1995 - 98	Appointment, Promotion and Tenure Committee
2002 - 04	Faculty Performance Evaluation Committee
2006	Member, Campus Facilities Study Team (LCME site visit)
2006 -2009	Appointment, Promotion and Tenure Committee

DEPARTMENTAL

1986 - 89	Member, APT Committee Academic Review Steering Committee
1989 - 2000	Chairman, Departmental Appointment, Promotion and Tenure Committee
1999 - 2000	Quality Management Chairman
2000 -	Departmental APT Committee

OTHER RESPONSIBILITIES:

1988 - 91	Member, Study section for review of Intramural Grants
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TEACHING RESPONSIBILITIES AT UTMB:

A. Reproductive Endocrinology Fellowship Program Director.

- B. Second year medical students:
Supervision of students in Introduction to
Clinical Medicine in Obstetrics and Gynecology
- C. Third year medical students:
Lectures in Endocrinology and Infertility
Faculty Advisor for core rotation in Obstetrics
and Gynecology
- D. Fourth year medical students:
Course director for the elective in
Gynecological Endocrinology
- E. Residents:
 1. Daily morning endocrine conferences
 2. Supervision of clinical activities of the residents
during their endocrine rotation.
 3. Review of Gynecological Endocrinology for
Chief Residents in preparation for board examination
in Obstetrics and Gynecology

ADMINISTRATIVE RESPONSIBILITIES:

- (1) Responsible for the administration of the Division of
Reproductive Endocrinology. Activities in the Division of
Reproductive Endocrinology include patient care, teaching and
research activities.
- (2) Director of the Reproductive Endocrinology Fellowship program
- (3) Director of the Assisted Reproductive Technology program (ART).
Activities In the program:
 - a) In Vitro Fertilization (IVF-ET)
 - b) Intra cytoplasmic Sperminjection (ICSI)
 - b) Intrauterine insemination after precapacitation
 - c) Gamete Intrafallopian Transfer
- (4) Director of the OB/GYN Reproductive Biology Laboratory -
Responsible for clinical assays - RIA of steroids (1980 - 2000)

MEMBERSHIP IN SCIENTIFIC SOCIETIES:

Society for Gynecologic Investigation*
Association of Professors in Gynecology and Obstetrics
Fellow, American College of Obstetrics and Gynecology

American Fertility Society
Endocrine Society*
Texas Association of Obstetricians and Gynecologists
International Society of Reproductive Medicine, Inc.
Association of Gynecologic Laparoscopists
Society of Reproductive Endocrinologists, Inc.*
Fallopian International Society
Sigma XI Society*
International Society of Gynecological Endocrinology*
Society for the Study of Reproduction*
W.R. Cooke OB/GYN Society
Paul G. McDonough Endocrine Society

* By election

BOARD CERTIFICATION:

- 1980 Diplomat, American Board of Obstetrics and Gynecology
- 1981 Board Certification of special competence in Reproductive Endocrinology and Infertility

LICENSURE INFORMATION:

- 1973 Flex - Passed
- 1973 Illinois
- 1975 Ohio
- 1977 Texas

HONORS:

- 1959 First prize in Anatomy
- 1962 First prize in Surgery while in Medical School
- 1967 Dr. A.L. Mudaliar Endowment prize for getting highest score in the Specialty Board Examination in Obstetrics and Gynecology in India
- 2005 Clinical Research Education Award for Excellence in Patient-Oriented Research (NSRF) (Medical Student- John Crochet)
- 2005 NSRF Overall Excellence in Research, Poster Presentation Award (Medical Student- John Crochet)
- 2004,2005 Burroughs Wellcome Award for the abstracts presented at SGI Annual meeting (Fellow-Vicken Sepilian)

INVITED SCIENTIFIC PRESENTATIONS (Seminars and Lectures):

- (1) Winter Scientific Meeting of American Medical Association. San Antonio, Texas 1979 - Lecture on 'Evaluation and Management of Primary Amenorrhea'.
- (2) TMA Postgraduate Course in Obstetrics and Gynecology Snowbird, Utah, 1981. Lecture on 'Menopause and Estrogen Replacement Therapy'.
- (3) Postgraduate course in Family Medicine - Lecture on "Evaluation and Management of Galactorrhea". Galveston, Texas 1981.
- (4) Colvyn OB/GYN Society of Georgia Annual Meeting, Williamsburg, Virginia, 1983. Lecture on 'Menopause and Estrogen Replacement Therapy'.
- (5) Memorial Medical Center at Houston. Lecture on 'Menopause and Estrogen Replacement Therapy', 1982.
- (6) American College of Obstetricians and Gynecologists, 34th Annual Meeting, New Orleans, Louisiana 1986. Seminar on 'Hirsutism'.
- (7) American College of Obstetricians and Gynecologists 35th Annual Meeting. Invitation to lead a clinical seminar on 'Evaluation and Management of Hirsutism'. Las Vegas, Nevada 1987.
- (8) Brownsville Medical Center at Brownsville, Texas. Lecture on 'Evaluation of Infertility' April 20, 1987.
- (9) American College of Obstetricians and Gynecologists 36th Annual Meeting, Boston, MA. 1988. Seminar on 'Menopause and Estrogen Replacement Therapy'.
- (10) American College of Obstetricians and Gynecologists 37th Annual Meeting, Atlanta, Georgia, 1989. Seminar on 'Evaluation of Delayed Puberty'.
- (11) Alumni Homecoming - University of Texas Medical Branch, Galveston, Texas 1989 - Lecture on 'Modern Reproductive Technologies'.
- (12) Texas Association of Obstetricians and Gynecologists Annual Meeting, San Antonio, Texas, 1990. Lecture 'Risk

factors in postmenopausal women'.

- (13) Program Chairman of the Postgraduate Course "Update in Reproductive Endocrinology" at San Luis Hotel, Galveston, Texas. September 13-15, 1990.
- (14) Gynecology Update: 1991 Centennial Postgraduate Course Lecture on "Endocrinological Approach to a patient with Hirsutism", at San Luis, Galveston, Texas. October 3-5, 1991.
- (15) Clinical Research Center Annual Research Colloquium "Ovarian Steroids in Menopausal Women with Endometrial Cancer", Learning Center, UTMB November 22, 1991.
- (16) Annual Family Practice Review: Lecture on " Estrogen Replacement Therapy- New Ideas" at San Luis Hotel, Galveston, Texas. March 1993.
- (17) Lecture on "Estrogen Replacement Therapy"- Danforth Memorial Hospital, Texas City, Texas. May 11, 1993.
- (18) Lecture on " Management of Menopause"- The Madurai Obstetrics and Gynecology Society Meeting , India. July 24, 1993.
- (19) Lecture on "Evaluation of Infertility - Department of Family Medicine Grand Rounds - October 1994.
- (20) Lecture on "Benefits of Estrogen Replacement Therapy" - Presidents Cabinet Development Board, January 1996.
- (21) Update in Primary Care Medicine. Sponsored by Baylor College of Medicine, Houston, Texas. Lecture on "Evaluation of Infertility - What is new?" August 1997.
- (22) Symposium on "Menopause: New Perspectives, New Choices." San Antonio Convention Center, San Antonio, Texas. October 1997.
- (23) Third Annual CME Update sponsored by Albert Einstein College of Medicine. "Estrogen Replacement in Postmenopausal Women", July 1999.
- (24) XV Asia Pacific Cancer Conference, Chennai, India. "Effects of Soya Consumption Implications for Breast Cancer and Endometrial Cancer Reductions. December 1999.
- (25) Lecture on " Management of Menopause" Department of Family Medicine Grand Rounds - October 2003.

- (26) Lecture on " Evaluation of infertility" Department of Family Medicine, February 2004.
- (27) Endocrinology Grand Rounds. Department of Internal Medicine, December 14, 2004
- (28) Grand Rounds Presentation "Understanding Osteoporosis and Meeting the Challenge", May 2005.
- (29) CME Course: Update for Practicing Physicians- Lecture on " Menopausal Osteoporosis". Chennai, India. January 8, 2006.
- (30) American Medical Womens' Association Annual Meeting: Lecture on "Assisted Reproductive Technologies". December 6, 2006.
- (31) MCG CME course: Lecture on "Adipocyte Function in Polycystic Ovary syndrome", Augusta, GA May 2007
- (32) Paul McDonough Society Lectureship and Postgraduate Course, Medical College of Georgia, Augusta, GA. program Chairman 2007.

EDITORIAL RESPONSIBILITIES:

Ad hoc Editor:

Fertility and Sterility
 Obstetrics and Gynecology
 American Journal of Obstetrics and Gynecology
 Biology of Reproduction
 Journal of Clinical Endocrinology and Metabolism
 Journal of Society for Gynecologic Investigation

Consultant and reviewer for Texas Medicine (TMA)

DESCRIPTION OF RESEARCH ACTIVITIES AND SPECIFIC SCIENTIFIC CONTRIBUTIONS:

(1) Pathophysiology of Polycystic Ovary Syndrome and hyperthecosis of the ovaries: Women with Polycystic Ovary Syndrome /hyperthecosis of the ovaries are obese and have insulin resistance and increased immunoreactive insulin levels. Adipokines and insulin might play a role in the pathogenesis of Polycystic Ovary Syndrome /hyperthecosis. Studies are being done with the ovarian stroma, to study the effect of insulin and adipokines on ovarian stromal steroidogenic enzymes.

(2) Studies in Menopausal Women - Pathophysiology and treatment of menopausal symptoms. Biological effects of various estrogen preparations used for replacement therapy and prevention and treatment of Osteoporosis.

(3) Effects of Soy Isoflavones on Pituitary and ovarian function and their effectiveness in prevention of estrogen dependent cancers.

PUBLICATIONS:

ARTICLES IN JOURNALS:

- 1) Nagamani M., Lin T.J., McDonough P.G., Watatani H., McPherson J.C. III and Mahesh V.B.: Clinical and endocrine studies in menopausal women after estradiol pellet implantation: *Obstetrics and Gynecology* 50 (5) 541-547, 1977.
- 2) Nagamani M., McDonough P.G., Ellegood J. and Mahesh V.B.: Maternal and amniotic fluid 17 alpha hydroxy progesterone levels during pregnancy: Diagnosis of congenital adrenal hyperplasia in utero. *Am J Obstetrics and Gynecology* 130 (7) 791-794, 1978.
- 3) Ansari A.H. and Nagamani M.: Pregnancy and Neurofibromatosis (Von Recklinghausen's Disease): *Obstet Gynecol* 47 (1) Supplement 25S-29S, 1976.
- 4) Nagamani M., Lin T.J., McDonough P.G., Watatani H., McPherson J.C. and Mahesh V.B.: Clinical and endocrine studies in menopausal women after estradiol pellet implantation. *Obstetrics and Gynecological Survey*. 33:278, 1978.
- 5) McDonough P.G. and Nagamani M.: Managing menstrual disorders in adolescents. *Contemp Obstet Gynecol* 8 (3) 27-31, 1976.
- 6) Ansari A.H. and Nagamani M.: Foley catheter for Salpingography Pneumography, tubal insufflation and hydrotubation: *Obstet Gynecol* 50 (1) 108, 1977.
- 7) Nagamani M., Mahesh V.B. and McDonough P.G.: Maternal and amniotic fluid steroids throughout human pregnancy. *Am J of Obstetrics and Gynecology* 134 (6) 674-680, 1979.
- 8) Nagamani M., Lingold J.C. and Gomez L.: Hyperthecosis of the ovaries in acromegaly. *Obstetrics and Gynecology* 56 (2) 258-262, 1980.
- 9) Nagamani M., Lingold J.C. and Gomez L.: Clinical and hormonal studies in hyperthecosis of the ovaries. *Fertility and Sterility* 36:326-332, 1981.

- 10) Nagamani M. and Gonzalez-Vitale J.C.: Steroid secretion patterns of a hilus cell tumor of the ovary. *Obstetrics and Gynecology* 58:521-527, 1981.
- 11) Nagamani M., Lingold J.C., Gomez L.G.: Hormonal studies in hyperthecosis of the ovaries. *Obstetrics and Gynecological Survey* 37 (5): 340, 1982.
- 12) Nagamani M., Garza J. and Gomez L.: In vivo steroid studies in luteomas of pregnancy. *Obstetrics and Gynecology* 59:105S, 1982.
- 13) Dawson E.B., Simmons J.E. and Nagamani M.: A comparison of serum free estriol with spontaneous urine total estrogen and estrogen creatinine ratio. *Int J Gynec Obstet* 21:371, 1983.
- 14) Nagamani M., Dinh T.V. and Hannigan E.V.: Endocrine studies in a case of XY gonadal dysgenesis with gonadoblastoma and dysgerminoma. *Southern Medical Journal*. 77:1205, 1984.
- 15) Nagamani M., London S. and St. Amand P.: Factors influencing fertility after an ectopic pregnancy. *American Journal of Obstetrics and Gynecology* 149:533, 1984.
- 16) Kelder M.E. and Nagamani M.: Hyperprolactinemia in primary adrenocortical insufficiency. *Fertil Steril* 44 (3):423, 1985.
- 17) Dinh T.V., Fougere C.L. and Nagamani M.: Hormonal studies in an adrenal like tumor of the ovary - consideration on its histogenesis. *Am J Clin Path.* 86:388, 1986.
- 18) Nagamani M. and Dinh T.V.: 17-hydroxylase deficiency in genetic females. *J Reprod Med* 31:734, 1986.
- 19) Nagamani M., Dinh T.V. and Kelder M.E.: Hyperinsulinemia in hyperthecosis of the ovaries. *Am J Obstet Gynecol* 154 (2):384-389, 1986.
- 20) Nagamani M., Hannigan E.V., Dillard E.A. and Dinh T.V.: Ovarian steroid secretion in postmenopausal women with and without endometrial cancer. *J Clin Endocrinol Metab* 62 (3):508-512, 1986.
- 21) Nagamani M., Kelder M.E. and Smith E.: Treatment of menopausal hot flashes with transdermal administration of clonidine. *Am J Obstet Gynec* 156:561-5, 1987.
- 22) Lemay A., Dawood Y., Domowski P., Gambrell D., Mishell R.D. , Nagamani M., et al: comparison of the Gn RH Agonist Buserelin to Danazol conventional

- therapy in endometriosis. Proceedings of the International Symposium on Gn RH Analogs, Geneva, Switzerland 1988.
- 23) Nagamani M., Hannigan E.V., Dinh T.V. and Stuart C.A.: Hyperinsulinemia and stromal luteinization of the ovaries in postmenopausal women with endometrial cancer. *J Clin Endocrinol Metab* 67:144-148, 1988.
 - 24) Nagamani M., Kelder M.E. and Smith E.: Treatment of menopausal hot flashes with transdermal administration of clonidine. *JAMA* 258 (11):1459, 1988.
 - 25) Kelder M.E. and Nagamani M.: Chlamydial serology in women with tubal infertility. *International Journal of Fertility* 34 (1):42-46, 1989.
 - 26) Nagamani M., Stuart C.A. and Dinh T.V.: Steroid biosynthesis in the Sertoli Leydig cell tumor - Effects of insulin and LH. *Am J Obstetrics and Gynecology* 161 (6):1738-1743, 1989.
 - 27) Kendall J.Z., Lakritz J., Plopper C.G., Richards G., Randall G.C., Nagamani M. and Weir A.J.: The effects of hydrocortisone on lung structure in fetal lambs. *Journal of Developmental Physiology* 13:165-172, 1990.
 - 28) Chandrasekhar Y. and Nagamani M.: Receptors for insulin like growth factor-I in rat uterus. Variations during sensitization and decidualization. *Acta Endocrinologica (Copenh)* 123:243-250, 1990.
 - 29) Nagamani M., Kasper H., Dinh T.V., Hannigan E.V. and Smith E.R.: Hyperthecosis of the ovaries in a woman with placental site trophoblastic tumor. *Obstet Gynecol* 76:931-935, 1990.
 - 30) Stuart C.A. and Nagamani M.: Insulin infusion acutely augments ovarian Androgen Production in normal women. *Fertility and Sterility* 54:788-794, 1990.
 - 31) Nagamani M. and Stuart C.A.: Specific binding sites for insulin like growth factor-I in the ovarian disease and stroma of women with polycystic ovarian disease and stromal hyperthecosis. *American Journal of Obstetrics and Gynecology* 163 (6):1992-1997, 1990.
 - 32) Kelder M.E., Smith E.R. and Nagamani M.: Comparison of efficacy of Buserelin and Danazol in the treatment of endometriosis. *American Journal of Gynecologic Health IV* (6) 196-201, 1990.
 - 33) Brown D.B. and Nagamani M.: Use of *Xenopus laevis* frog egg extract in diagnosing human infertility. *J Cell Biol* 111:115a, 1990.

- 34) Stuart C.A. and Nagamani M.: Acute augmentation of plasma androstenedione and dehydroepiandrosterone by euglycemic insulin infusion: Evidence for a direct effect of insulin on ovarian steroidogenesis. Proceedings of the National Institutes of Health Conference on Polycystic Ovary Syndrome, 1990.
- 35) Chandrasekhar Y., Narayan S., Singh P. and Nagamani M.: Receptors for insulin-like growth factor-II in the rat uterus: Characterization and variation throughout the estrus cycle. Acta Endocrinologica (Copenh) 124:434-441, 1991.
- 36) Nagamani M., Stuart C.A., Dunhardt P.A. and Doherty M.G.: Specific binding sites for insulin and insulin like growth factor-I in Human Endometrial Cancer. Am J Obstet Gynecol 165:1865-71, 1991.
- 37) Nagamani M. and Stuart C.A.: Specific binding sites for insulin like growth factor-I in the ovarian stroma of women with polycystic ovarian disease. Yearbook of Infertility 14-16, 1991.
- 38) Nagamani M., Stuart C.A. and Doherty M.G.: Increased steroid production by the ovarian stromal tissue of postmenopausal women with endometrial cancer. Journal of Clinical Endocrinology and Metabolism 74:172-176, 1992.
- 39) Chandrasekhar Y., Heiner J. and Nagamani M.: Insulin like growth factor I and II binding in human myometrium and leiomyomas. Am J Obstet Gynecol 166:64-69, 1992.
- 40) Yallampalli C., Osuamkpe C. and Nagamani M.: Regulation of insulin-like growth factor-I binding in rat uterus by growth hormone and thyroxine. J Reprod Fertil 94:405-410, 1992.
- 41) Nagamani M., Kelder M.E. and Smith E.R.: CA 125 levels in monitoring therapy for endometriosis and prediction of recurrence. International Journal of Fertility 37:227-231, 1992.
- 42) Brown D.B. and Nagamani M.: Use of *Xenopus laevis* frog egg extract in diagnosing unexplained human infertility. The Yale Journal of Biology and Medicine 65:29-38, 1992.
- 43) Nagamani M., Stuart C.A.: Specific binding sites for insulin in human myometrium and leiomyomas of the uterus. Fertil Steril 58:120-123, 1992.
- 44) Nagamani M., Doherty M.G., Smith E.R. and Yallampalli C.: Increased bioactive luteinizing hormone levels in postmenopausal women with endometrial cancer. Am J Obstet Gynecol 167:1825-30, 1992.

- 45) Chandrasekhar Y., Rajaraman S. and Nagamani M.: Insulin-like growth factor binding proteins in rat uterus: Regulation by growth hormone and estradiol. *J Reprod Fertil* 97: 501-505, 1993.
- 46) Nagamani M.: Decreased insulin like growth factor binding proteins 3 levels in women with hyperthecosis of the ovaries. *Assist Reprod Tech Androl.* 4:93-97, 1993.
- 47) Keenan B.S., Richards G.E., Ponder W.S., Dallas J.S., Nagamani M. and Smith E.R.: Androgen stimulated pubertal growth: The effect of testosterone and dihydrotestosterone on growth hormone and insulin like growth factor I in the treatment of short stature and delayed puberty. *J Clin Endocrinol Metab* 76: 996-1001, 1993.
- 48) Schnell V., Armstrong S, Smith E. and Nagamani M.: Ca 125 levels in ovarian hyperstimulation syndrome. *Fertil Steril.* 1993.
- 49) Yallampalli C., Osuamkpe C. and Nagamani M.: Influence of anti-androgen, hydroxyflutamide on in vitro development of mouse embryos. *J Reprod Fertil.* 97(2):501-505, 1993.
- 50) Nagamani M.: Bioactive luteinizing hormone levels in postmenopausal women with endometrial cancer. *Menopause Digest* 4:12-13, 1993.
- 51) Urban RJ, Nagamani M. and Bodenberg Y.H.: Dexamethasone augments IGF-I stimulated P-450 cholesterol side chain cleavage mRNA concentrations in primary cultures of porcine granulosa cells. *American Journal of Physiology* 267(Endocrinol Metab. (30) : E115-E123, 1994.
- 52) Kaul KA, Nowicki BJ, Martens MG, Goluszko P, Hart A, Nagamani M., Kumar D, Pham QT and Nowicki S: Decay-Accelerating Factor (DAF) is expressed in the human endometrium and may serve as the ligand for DrPili of *Escherichia coli*. *Am J Immunol.* 32: 194-199, 1994.
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