

**CURRICULUM VITAE – Richard P. Buyalos, MD**

Dr. Buyalos is Co-Director of Fertility & Surgical Associates of Southern California (FSAC), and is board certified in reproductive endocrinology & infertility (REI), and in general obstetrics & gynecology. He is a Fellow of the American College of Obstetricians and Gynecologists, and serves as associate clinical professor at the UCLA School of Medicine. Dr. Buyalos is internationally recognized for his work in infertility, reproductive aging, and polycystic ovary syndrome, and has received numerous awards from various organizations including Best Doctors in America; Los Angeles Magazine; Pacific Coast Reproductive Society; Consumers' Research Council of America; RESOLVE, and the American Society of Reproductive Medicine. Dr. Buyalos received his BS from the University of Maryland and his MD from Thomas Jefferson University Medical College. He completed his residency at Georgetown University Medical Center and his clinical fellowship in reproductive endocrinology at the University of California, Los Angeles School of Medicine.

**CONTACT****Office Address:**

Fertility and Surgical Associates of California 325 Rolling Oaks Drive, Suite 110, Thousand Oaks, California 91361

**Phones:** Work: (805) 778-1122; FAX (805) 778-1199

**E-mail:** [drbuyalos@fertilityassociates.com](mailto:drbuyalos@fertilityassociates.com)

**EDUCATION*****Fellowship:***

Reproductive Endocrinology & Infertility (REI) Fellow-University of California, Los Angeles (UCLA), Dept. of Obstetrics and Gynecology, Los Angeles, CA, 1987-89

***Postgraduate Training:***

Ob/Gyn Residency - Georgetown University Hospitals, Dept. of Obstetrics and Gynecology Washington, D.C.

Intern, 1983-84; Resident, 1984-87; incl. serving as Administrative Chief Resident, 1986-87

***Medical School:***

Thomas Jefferson University Medical College, Philadelphia, PA, 1979-83; Earned MD degree in 1983

***Undergraduate:***

University of Maryland College Park, MD, 1974-79; Earned B.S. Clinical Psychology degree in 1979, *Magna Cum Laude*

**CERTIFICATIONS & LICENSURES**

- Diplomat of National Board of Medical Examiners, 1983
- American Board of Obstetrics and Gynecology, Inc. (ABOG) - Certified in General Obstetrics and Gynecology, 1990 (recertified through 2016)
- American Board of Obstetrics and Gynecology, Inc. (ABOG) - Certified in REI, 1991 (recertified through 2016)
- State of California G-060146 Medical License

**ACADEMIC APPOINTMENTS**

1998-Present	Associate Clinical Professor, Dept. of Obstetrics & Gynecology, David Geffen School of Medicine, UCLA, Los Angeles, CA
1996-98	Associate Professor; Chief, Division of REI; Director, REI Fellowship Training Program, Dept. of Obstetrics & Gynecology, University of Kentucky School of Medicine, Lexington, KY
1989-96	Assistant Professor, Dept. of Obstetrics & Gynecology, School of Medicine, UCLA, Los Angeles, CA

**HOSPITAL APPOINTMENTS & SERVICE**

1989-96 & 98-Present	UCLA Medical Center, Westwood, CA; Active Staff <ul style="list-style-type: none"> <li>• Postgraduate Education Advisory Committee, 1991-93</li> <li>• Medical Records Committee, 1990-94</li> <li>• Hospital Utilization Committee, 1995-96</li> <li>• Department Resident Selection Committee, 1992-94</li> <li>• Clinical Fellow Selection Committee, 1989-96, 2000-Present</li> </ul>
1999-Present	Los Robles Regional Medical Center, Thousand Oaks, CA; Active Staff
1999-Present	Community Memorial Hospital, Ventura, CA; Active Staff
1998-2012	Kaiser Permanente Med. Center, Woodland Hills, CA; Active Staff
1996-98	University of Kentucky Medical Center; Active staff <ul style="list-style-type: none"> <li>• Resident Selection Committee, 1997-98</li> <li>• Executive Council Committee, 1997-98</li> </ul>

**COMMUNITY SERVICE**

- Volunteer Physician, Venice Family Health Clinic, Venice, CA, 1993-1996
- Founder & CEO, Fertility Council, LLC, a hub of online tools, globally branded as 'Women's View' ([www.womensview.com](http://www.womensview.com), Fertility Council, LLC, Los Angeles, CA) which provide current and potential patients with the scientific information they require free of

charge to make informed quality decisions about their own care, throughout all phases of their reproductive life, 2013-Present.

### **PROFESSIONAL SOCIETY MEMBERSHIP**

2002-present	Member	Androgen Excess & PCOS Society, Inc.
1989-96, & 2000-Present	Member	LA County Medical Association
1991-present	Fellow	American College of Obstetricians and Gynecologists, Inc.
1990-present	Member	Daniel Morton Ob/Gyn Society (UCLA)
1983-present	Member	American Medical Association
1987-present	Member	American Society for Reproductive Medicine
1997-present	Member	Society of Reproductive Surgeon
1994-present	Member	John T. Queenan Ob/Gyn Soc. (Georgetown U.).
1991-present	Member	Society of Reproductive Endocrinologists
1990-present	Member	Pacific Coast Reproductive Society
1991-present	Member	The Endocrine Society
1994-present	Member	Society for the Study of Reproduction
1990-present	Member	RESOLVE
1990-96	Member	LA Ob-Gyn Society

### **PROFESSIONAL SOCIETY SERVICE**

- American Society for Reproductive Medicine (ASRM)
  - Member, Government & Public Relations Committee, ASRM, 1999-2001
  - Member, Patient Education Committee, ASRM, 1994-1998
  - Chair, Poster Committee for the 53<sup>th</sup> annual meeting of the ASRM Cincinnati, OH, October 8-22, 1997
  - Member, Society of Reproductive Surgeons Representative on the ASRM Government and Public Relations Committee, 2000-2002
  - Moderator, Reproductive Surgery Abstract Session for the 59<sup>th</sup> annual meeting of the ASRM San Antonio, TX, 2003
  - Moderator, Cryopreservation and Frozen Embryo Transfer Abstract Session for the 60<sup>th</sup> annual meeting of the ASRM Philadelphia, PA, 2004
  - Member, 2006 ASRM Annual Meeting Abstract Committee, representing the Society for Reproductive Surgeons
- American College of Obstetricians & Gynecologists (ACOG)
  - PROLOG Task Force for Reproductive Endocrinology and Infertility, 4th edition, 1998-1999
  - Chairman, District of Columbia Section (1985-86), and Vice-Chairman, District of Columbia Section (1984-85), Junior Fellows

**EDITORIAL AND PEER-REVIEW SERVICE**

- Member, Editorial Advisory Board, Fertility & Sterility (pub. ASRM), 2004-06
- Ad Hoc reviewer for:
  - Obstetrics and Gynecology
  - Fertility & Sterility
  - The Journal of Clinical Endocrinology and Metabolism
  - Human Reproduction
  - American Journal of Obstetrics and Gynecology
  - Journal of Gynecologic Techniques
  - Journal of Pediatric and Adolescent Gynecology

**MISCELLANEOUS CONSULTING EXPERIENCE:**

- Roche Pharmaceuticals Advisory Panel on use of AMH to monitor and manage female ovarian reserve, 2011-13.
- Medical consultant to CBS for "Baby of the Bride", Leonard Hill Productions; Director, Bill Bixby, 1990
- Medical consultant, Universal Studios for "Junior"; Director, Ivan Reitman, 1992
- Medical consultant numerous lay publications and television networks
- Gastrointestinal Drugs Advisory Committee, Food and Drug Administration (FDA), 2000
- Westwood-Squibb Pharmaceuticals Investigators'/Advisory Board, Eflornithine HCl, 2000

**HONORS AND AWARDS:**

- Dean's List, University of Maryland, College Park, 1974-78
- Phi Kappa Phi Honor Society, 1978-Present
- Psi Chi Honor Society, 1978
- Phi Eta Sigma Honor Society, 1975
- Delta Tau Delta Fraternity Outstanding Scholar Award, 1978
- Outstanding Resident in Gynecologic Endoscopy Award; American Association of Gynecologic Laparoscopists, 1987
- Prize Poster Award, 45<sup>th</sup> Annual Meeting of the American Fertility Society, San Francisco, CA, November 11-16, 1989.
- Prize Poster Award, 50<sup>th</sup> Annual Meeting of The American Fertility Society, San Antonio, TX, November 5-10, 1994.
- Best Doctors for Women, *Good Housekeeping magazine*, 1997
- National Faculty Award for Excellence in Resident Education from the Council on Resident Education in Obstetrics and Gynecology (CREOG), 1999
- Resident Teaching award, Kaiser Permanente, Los Angeles, 1999
- Star of RESOLVE award, Southwest Region, Resolve, Inc., 2007
- Best Doctors of America, Best Doctors, Inc., 2009-Present
- Super Doctors-Top Southern California Physicians, *Los Angeles Magazine*, 2011-Present

- America's Top Obstetricians & Gynecologists, *Consumer Research Council of America*, 2012
- Joyce M. Vargyas, M.D. Visionary Award, Path2Parenthood (formerly The American Fertility Association), 2012

**RESEARCH GRANTS RECEIVED:**

<b>Source of support:</b>	University of California at Los Angeles (UCLA) Academic Senate Training Grant
<b>Project Title:</b>	The Impact of Interleukin-6 on Preimplantation Embryo Development
<b>Principal Investigator:</b>	RP. Buyalos
<b>Amount:</b>	\$3,000
<b>Years of award:</b>	1989-1990
<b>Role:</b>	PI

<b>Source of support:</b>	University of California at Los Angeles (UCLA) Department of Ob/Gyn
<b>Project Title:</b>	Interleukin-6 Activity in Human Follicular Fluid
<b>Principal Investigator:</b>	\$7,940
<b>Amount:</b>	RP. Buyalos
<b>Years of award:</b>	1989-1990
<b>Role:</b>	PI

<b>Source of support:</b>	National Institutes of Health HL40273
<b>Project Title:</b>	Postmenopausal Estrogen and Progesterone Intervention (PEPI)
<b>Principal Investigator:</b>	Howard L. Judd
<b>Amount:</b>	\$2,078,505
<b>Years of award:</b>	1989-93
<b>Role:</b>	Consultant

<b>Source of support:</b>	University of Kentucky Intramural Research Funds
<b>Project Title:</b>	The Heterogeneity of Follicle-Stimulating Hormone Isoforms in the Assessment of Human Reproductive Aging
<b>Principal Investigator:</b>	RP. Buyalos
<b>Amount:</b>	\$150,000
<b>Years of award:</b>	1996-1999
<b>Role:</b>	PI

<b>Source of support:</b>	Research MRI Center Pilot Project Grant Award
<b>Project Title:</b>	Reproductive Endocrine Changes and Aging; using MRI to Evaluate Ovarian Volume
<b>Principal Investigator:</b>	RP. Buyalos
<b>Amount:</b>	\$4,400
<b>Years of award:</b>	1997-1998
<b>Role:</b>	PI

<b>Source of support:</b>	Organon
<b>Project Title:</b>	A Randomized, Open-label Clinical Trial to Identify Predictive Factors for Controlled Ovarian Stimulation Using a Fixed Daily Dose of 200 IU of Recombinant FSH in a GnRH Antagonist Regimen With or Without Oral Contraceptive Scheduling
<b>Principal Investigator:</b>	RP Buyalos
<b>Amount:</b>	\$282,000
<b>Years of award:</b>	2007-08
<b>Role:</b>	PI

<b>Source of support:</b>	Institut Biochimique SA (IBSA)
<b>Project Title:</b>	Efficacy and Tolerability of Subcutaneous Progesterone (IBSA) versus Vaginal Progesterone (Endometrin) for Luteal Phase Support in Patients Undergoing In-Vitro Fertilization
<b>Principal Investigator:</b>	RP Buyalos, G Hubert, A Kumar
<b>Amount:</b>	\$316,500
<b>Years of award:</b>	2008-09
<b>Role:</b>	Co-PI

<b>Source of support:</b>	EMD Serono
<b>Project Title:</b>	Determination of the Viability of an Oocyte Vitrification Protocol Using Donor Ova
<b>Principal Investigator:</b>	RP Buyalos, A Kumar
<b>Amount:</b>	\$23,400
<b>Years of award:</b>	2009-10
<b>Role:</b>	Co-PI



**SELECTED TRAINEES/MENTEES**

- **Sanjay Agarwal, MD**-UCLA REI fellow; was his mentor and helped him plan, organize and write his initial publications and was his mentor for clinical care in REI; 1991-93.
- **Peter Brzechffa, MD** - UCLA REI fellow; was his mentor and helped him plan, organize and write his initial publication and taught him clinical care. 1994-95.
- **Said Daneshmand, MD** - UCLA Ob/Gyn resident and REI fellow; was his mentor and helped him plan, organize and write his first REI publication and taught him clinical care; 1995-98.
- **Timothy Gelety, MD** - UCLA REI fellow; was his mentor and helped him plan, organize and write his initial publications and was his mentor for clinical care in REI; 1990-92.
- **Terrance Lee, MD** - UCLA REI fellow; was his mentor and helped him plan, organize and write his first REI publication and was his mentor for clinical care in REI; 1993-95.
- **Meike Uhler, MD** - UCLA REI fellow; was her mentor and helped her plan, organize and write her first publication and taught her clinical care; 1992-94.
- **Anthony Pearlstone, MD** - UCLA REI fellow; was his mentor and helped him plan, organize and write his first REI publication and was his mentor for clinical care in REI; 1990-92
- **Kristin Smith, MD** - UCLA REI fellow; was her mentor and helped her plan, organize and write his first publication in REI and taught her clinical care; 1993-95.
- **Paul Magarelli, MD, PhD** - UCLA REI fellow; was his mentor and helped him plan, organize and write his first REI publication and was his mentor for clinical care in REI; 1991-93.
- **Robert Cooke, MD** - University of Kentucky REI fellow; was his mentor and helped him plan, organize and write his first publications and was mentor for clinical care in REI; 1996-98.
- **Andy Huang, MD** - UCLA Ob/Gyn resident; mentored during residency and ultimately became a UCLA REI fellow; 2005.
- **Shahin Ghadir, MD** - Ob/Gyn resident, Kaiser Permanente; mentored during residency and ultimately became a UCLA REI fellow; 2003-05.
- **Christopher Huang, MD** - UCLA REI fellow; mentored and taught him clinical care; 1994-96.

**BIBLIOGRAPHY (H-index = 19)****Peer-Review Publications:**

1. PEKONEN F, LAATIKAINEN T, **BUYALOS RP**, RUTANEN E-M: Decreased 34K insulin-like growth factor binding protein in polycystic ovarian disease. *Fertil Steril* 51:972-5, 1989. (PMID: 2542098).
2. **BUYALOS RP**, RUTANEN E-M, TSUI E, HALME J: Release of tumor necrosis factor alpha by human peritoneal macrophages in response to toxic shock syndrome toxin-1. *Obstet Gynecol* 78:182-6, 1991. (PMID: 2067760).
3. **BUYALOS RP**, BRADLEY EL, JUDD HL, ZACUR HA, AZZIZ R: No acute effect of physiological insulin increase on dehydroepiandrosterone sulfate in women with obesity and/or polycystic ovarian disease. *Fertil Steril* 56:1179-82, 1991. (PMID: 1835937).
4. **BUYALOS RP**, GEFFNER ME, BERSCH N, JUDD HL, WATANABE RM, BERGMAN RN, GOLDE DW: Insulin and insulin-like growth factor-I responsiveness in polycystic ovarian syndrome. *Fertil Steril* 57:796-803, 1992. (PMID: 1555690).
5. **BUYALOS RP**, GLASSMAN LM, RIFKA SM, FALK RJ, MACARTHY PO, TYSON VJ, DIMATTINA M: Serum Beta-hCG, estradiol and progesterone as early predictors of pathologic pregnancy. *J Reprod Med* 37:261-6, 1992. (PMID: 1373448)
6. **BUYALOS RP**, WATSON JM, MARTINEZ-MAZA O: Detection of interleukin-6 in human follicular fluid. *Fertil Steril* 57:1230-4, 1992. (PMID: 1601144)
7. **BUYALOS RP**, FUNARI VA, AZZIZ R, WATSON JM, MARTINEZ-MAZA O: Elevated interleukin-6 levels in peritoneal fluid of patients with pelvic pathology. *Fertil Steril* 58:302-6, 1992. (PMID: 1633894).
8. PEARLSTONE AC, FOURNET N, GAMBONE JC, PANG S, **BUYALOS RP**: Ovulation induction in women age 40 and older: the importance of basal follicle-stimulating hormone levels and chronological age. *Fertil Steril* 58:674-9, 1992. (PMID: 1426308).
9. WU TC, GELETY T, JIH M, FOURNET N, **BUYALOS RP**: Successful management of predicted severe ovarian hyperstimulation syndrome with gonadotropin-releasing hormone agonist. *J Asst Reprod Genet* 9:281-6, 1992. (PMID: 1525462).
10. **BUYALOS RP**, GEFFNER ME, WATANABE RM, BERGMAN RN, GORNBEIN JA, JUDD HL: The influence of luteinizing hormone and insulin on sex steroids and sex hormone-binding globulin in the polycystic ovarian syndrome. *Fertil Steril* 60:626-33, 1993. (PMID: 8405515).
11. GELETY TJ, **BUYALOS RP**: The effect of clomiphene citrate and menopausal gonadotropins on cervical mucus in ovulatory cycles. *Fertil Steril* 60:471-6, 1993. (PMID: 8375529).
12. **BUYALOS RP**, CAI X. Preimplantation embryo development enhanced by epidermal growth factor. *J Assist Reprod Genet*. 11:33-7, 1994. (PMID: 7949833).
13. AGARWAL SK, COE S, **BUYALOS RP**: The influence of uterine position on pregnancy rates with in vitro fertilization - embryo transfer. *J Asst Reprod Genet* 11:323-4, 1994. (PMID: 7734920).
14. The Writing Group for the PEPI Trial: Effects of estrogen and estrogen/progestin regimens on heart disease risk factors in postmenopausal women. *JAMA* 273:199-208, 1995. (PMID: 7807658).

15. **BUYALOS RP**: Insulin-like growth factors: Clinical experience in ovarian function. *Am J Med* 98:55S-66S, 1995. (PMID: 7529965).
16. **BUYALOS RP**: The role of follicle-stimulating hormone in infertility therapy. *Assist Reprod Rev* 5:45-52, 1995.
17. AGARWAL S, **BUYALOS RP**: Corpus luteum function and pregnancy rates with clomiphene citrate therapy: comparison of human chorionic gonadotropin induced versus spontaneous ovulation. *Human Reprod* 10:328-31, 1995. (PMID: 7769057).
18. **BUYALOS RP**, PEKONEN F, HALME J, JUDD H, RUTANEN E: The relationship between circulating androgens, obesity and hyperinsulinemia on serum insulin-like growth factor binding protein-1 in the polycystic ovarian syndrome. *Am J Obstet Gynecol* 172:932-9, 1995. (PMID: 7534449).
19. UHLER M, **BUYALOS RP**: The effect of varying inseminating sperm concentrations in male-factor and non-male factor infertility in human *in vitro* fertilization. *Int J Fertil* 40:322-8, 1995. (PMID: 8748923)
20. GELETY TJ, **BUYALOS RP**: The influence of suprphysiologic estradiol levels in human nidation. *J Asst Reprod Genet* 12:406-12, 1995. (PMID: 8574066)
21. The Writing Group for the PEPI Trial: Effect of hormone replacement on endometrial histology in postmenopausal women. *JAMA* 275:370-5, 1996. (PMID: 8569016).
22. The Writing Group for the PEPI Trial: Effect of hormone therapy on bone mineral density. *JAMA* 276:1389-96, 1996. (PMID: 8892713).
23. SMITH KE, **BUYALOS RP**. The profound impact of patient age on pregnancy outcome after early detection of fetal cardiac activity. *Fertil Steril*. 65:35-40, 1996. (PMID: 8557152).
24. **BUYALOS RP**, LEE CT. Polycystic ovary syndrome: pathophysiology and outcome with *in vitro* fertilization. *Fertil Steril*. 65:1-10, 1996. (PMID: 8557121).
25. **BUYALOS RP**, LEE CT. Response to 'Letter to the Editor' "Albumin for Ovarian Hyperstimulation?" re article 'Polycystic ovary syndrome: pathophysiology and outcome with *in vitro* fertilization'. *Fertil Steril* 66: 173-4, 1996. (PMID: 8752638).
26. AGARWAL SK, **BUYALOS RP**. Clomiphene citrate with intrauterine insemination: is it effective therapy in women above the age of 35 years? *Fertil Steril* 65:759-763, 1996. (PMID: 8654635).
27. MAGARELLI PC, PEARLSTONE AC, **BUYALOS RP**. Discrimination between chronological and ovarian age in infertile women aged 35 years and older: predicting-pregnancy using basal follicle stimulating hormone, age and number of ovulation induction/intra-uterine insemination cycles. *Hum Reprod*. 11:1214-9, 1996. (PMID: 8671426).
28. BRZECHFFA PR, JAKIMIUK AJ, AGARWAL SK, WEITSMAN SR, **BUYALOS RP**, MAGOFFIN DA. Serum immunoreactive leptin concentrations in women with polycystic ovary syndrome. *J Clin Endocrinol Metab*. 81:4166-9, 1996. (PMID: 8923878).
29. BRZECHFFA PR, **BUYALOS RP**. Female and male partner age and menotrophin requirements influence pregnancy rates with human menopausal gonadotrophin therapy in combination with intrauterine insemination. *Hum Reprod*. 12:29-33, 1997. (PMID: 9043897).
30. **BUYALOS RP**, GEFFNER ME, AZZIZ R, JUDD HL: Impact of overnight dexamethasone suppression on the adrenal androgen response to an oral glucose tolerance test in women with and without polycystic ovary syndrome. *Hum Reprod*. 12:1138-41, 1997. (PMID: 9221990).

31. COOKE RG, **BUYALOS RP**: Sequential clomiphene citrate and human menopausal gonadotropin therapy for ovulation induction therapy and assisted reproductive techniques. *Assist Reprod Rev* 7:58-63, 1997.
32. **BUYALOS RP**, GRICE JE, JACKSON RV, HOCKINGS GI, THORPY DJ, FOX LM, BOOTS LR, AZZIZ R: Androgen response to hypothalamic-pituitary-adrenal stimulation with naloxone in patients with myotonic muscular dystrophy. *J Clin Endocrinol Metab* 83:3219-3224, 1998. (PMID: 9745431)
33. BRZECHFFA PR, DANESHMAND S, **BUYALOS RP**. Sequential clomiphene citrate and human menopausal gonadotrophin with intrauterine insemination: the effect of patient age on clinical outcome. *Hum Reprod.* 13:2110-4, 1998. (PMID: 9756279)
34. **BUYALOS RP**, DANESHMAND ST, BRZECHFFA PR: Basal estradiol and follicle-stimulating hormone predict fecundity in women of advanced reproductive age undergoing ovulation induction therapy. *Fertil Steril* 68:272-7, 1997. (PMID: 9240255).
35. **BUYALOS RP**, GHOSH K, DANESHMAND ST. Infertile women of advanced reproductive age. Variability of day 3 FSH and E2 levels. *J Reprod Med.* 43:1023-6, 1998. (PMID: 9883405).
36. **BUYALOS RP**, AGARWAL SK. Endometriosis-associated infertility. *Curr Opin. Obstet Gynecol.* 12:377-81, 2000. (PMID: 11111879).
37. GASS MS, REBAR RW, CUFFIE-JACKSON C, CEDARS MI, LOBO RA, SHOUBE D, JUDD HL, **BUYALOS RP**, CLISHAM PR. A short study in the treatment of hot flashes with buccal administration of 17-beta estradiol. *Maturitas* 49:140-7, 2004 (PMID: 15474758).
38. KAING A, KROENER L, TASSIN R, LI M, **BUYALOS RP**, HUBERT G, SHAMONKI M. Earlier day of blastocyst development is predictive of embryonic euploidy across all ages: Essential data for physician decision-making and counseling patients. *J Reprod Med.* 35:119-125 (PMID: 28894983)
39. SUNDHEIMER LW, **BUYALOS RP**, HUBERT G, LIU L, AL-SAFI Z, SHAMONKI M. Diagnosis of parental balanced reciprocal translocations by trophoctoderm biopsy and comprehensive chromosomal screening. *J Reprod Med.* 35:165-169 (PMID: 2890074).
40. Zore T, Kroener LI, Wang B, Liu, **BUYALOS RP**, Hubert G, Shamonki M. Transfer of embryos with segmental mosaicism is associated with a significant reduction in live birth rate. (Submitted).

**Book Chapters/Reviews:**

1. **BUYALOS RP**, GAMBONE JC: In vitro fertilization for oligospermia. In: Common Problems in Infertility and Impotence. Vol. 1, 153-160. Eds. Rajfer J, Yearbook Medical Publishers, 1990.
2. **BUYALOS RP**. Puberty and precocious puberty. In: Essentials of Obstetrics and Gynecology, 2nd Edition, p. 511-521. Eds. Hacker NF, Moore JG, W.B. Saunders Company Publishers, 1992.
3. **BUYALOS RP**. Principles of endoscopic optics and lighting. In: Practical Manual of Operative Laparoscopy and Hysteroscopy, p. 15-21. Eds. Azziz R, Murphy AA, Springer-Verlag, Inc., 1992.
4. **BUYALOS RP**. Principles of endoscopic laser surgery. In: Practical Manual of Operative Laparoscopy and Hysteroscopy, p. 39-46. Eds. Azziz R, Murphy AA, Springer-Verlag, Inc., 1992.
5. **BUYALOS RP**. Insulin-like growth factor binding proteins in disorders of androgen excess. In: Seminars in Reproductive Endocrinology, Thieme Medical Publishers, Inc., (Ed) Azziz R, Vol. 12 (1), p 21-25, 1994.
6. **BUYALOS RP**. Principles of endoscopic optics and lighting. In: Practical Manual of Operative Laparoscopy and Hysteroscopy, p. 23-31. 2nd edition, Eds. Azziz R, Murphy AA, Springer-Verlag, Inc., 1996.
7. **BUYALOS RP**. Principles of endoscopic laser surgery. In: Practical Manual of Operative Laparoscopy and Hysteroscopy, p. 40-48. 2nd edition, Eds. Azziz R, Murphy AA, Springer-Verlag, Inc., 1996.
8. **BUYALOS RP**, SCOTT RT, SEIFER DB. Infertility after 35: diagnostic strategies. *OBG Management* 8:46-54, 1996.
9. **BUYALOS RP**, SCOTT RT, SEIFER DB. Infertility after 35: treatment strategies. *OBG Management* 8:55-61, 1996.
10. **BUYALOS RP**. Puberty and disorders of pubertal development. In: Essentials of Obstetrics and Gynecology, 3rd Edition, p. 567-579. Eds. Hacker NF, Moore JG, W.B. Saunders Company Publishers, 1998.
11. **BUYALOS RP**. Puberty and disorders of pubertal development. In: Essentials of Obstetrics and Gynecology, 4th Edition, p. 345 - 354. Eds. Hacker NF, Moore JG, W.B. Saunders Company Publishers, 2004.
12. **BUYALOS RP**. Book review on 'Ovulation Induction and Controlled Ovarian Stimulation, A Practical Guide'. *Fertil Steril* 86:778, 2006.
13. PISARSKA M, ALEXANDER CJ, AZZIZ R, **BUYALOS RP**. Puberty and disorders of pubertal development. In: Essentials of Obstetrics and Gynecology, 5th Edition, p. 345-354. Eds. Hacker NF, Moore JG, W.B. Saunders Company Publishers, 2010.

**Other:**

1. **BUYALOS RP**. Educational audiotape, "Polycystic ovary syndrome" , Interlink Productions, New York, New York, 1998

**Abstracts:**

1. **BUYALOS RP**, GLASSMAN LM, RIFKA SM, FALK RJ, MACARTHY PO, TYSON VJ, DIMATTINA M: Hormonal and sonographic markers as early predictors of pathological pregnancies. American Fertility Society, 44th Annual Meeting, Atlanta, GA, October 10-13 1988, abstract #031.
2. **BUYALOS RP**, GAMBONE JC, GEFFNER ME, JUDD HL: Insulin and androgen responses to oral and IV glucose challenges in polycystic ovarian disease. Society for Gynecologic Investigation, 35th Annual Meeting, Baltimore, MD, March 17-20, 1988, abstract #387.
3. **BUYALOS RP**, GEFFNER ME, GAMBONE JC, BERSCH N, BERGMAN RN, JUDD HL: Insulin resistance in polycystic ovarian disease: A probable epigenetic defect. Society for Gynecologic Investigation, 36th Annual Meeting, San Diego, CA, March 15-18, 1989, abstract #316.
4. HALME J, **BUYALOS RP**, RUTANEN E-M, TSUI E: Release of TNF activity by human peritoneal macrophages in response to TSST-1. Society for Gynecologic Investigation, 36th Annual Meeting, San Diego, CA, March 15-18, 1989, abstract #546.
5. D'AMICO J, **BUYALOS RP**, CLISHAM RP, EGGENA P, JUDD HL: Impact of hormone replacement on renin substrate and aldosterone levels, and plasma renin activity in postmenopausal women. Society for Gynecologic Investigation, 36th Annual Meeting, San Diego, CA, March 15-18, 1989, abstract #283.
6. **BUYALOS RP**, RUTANEN E-M, PEKONEN F, JUDD HL, HALME J: 34K insulin-like growth factor binding protein levels in polycystic ovarian disease in response to intravenous glucose tolerance test. American Fertility Society, 45th Annual Meeting, San Francisco, CA, November 11-16, 1989, abstract #157 (**Prize Poster Award**).
7. **BUYALOS RP**, GAMBONE JC, GEFFNER ME, JUDD HL: Androgen response to an oral glucose tolerance test following overnight dexamethasone suppression in polycystic ovarian disease. American Fertility Society, 45th Annual Meeting, San Francisco, CA, November 11-16, 1989, abstract #158.
8. **BUYALOS RP**, WATSON JM, MARTINEZ-MAZA O: Detection of interleukin-6 in human follicular fluid. American Fertility Society, 46th Annual Meeting, Washington, DC, October 13-18, 1990, abstract #153.
9. **BUYALOS RP**, FUNARI VA, AZZIZ A, WATSON JM, MARTINEZ-MAZA O: Elevated interleukin-6 levels in peritoneal fluid of patients with pelvic pathology. Society for Gynecologic Investigation, 38th Annual Meeting, San Antonio, TX, March 20-23, 1991, abstract #120.
10. **BUYALOS RP**, BRADLEY EL, JUDD HL, ZACUR HA, AZZIZ R: No effect of two hour oral glucose tolerance test on serum dehydroepiandrosterone-sulfate in women with obesity or polycystic ovarian syndrome. Society for Gynecologic Investigation, 38th Annual Meeting, San Antonio, TX, March 20-23, 1991, abstract #175.
11. GIBBONS WF, JUDD HL, LUCIANO AA, NACHTIGALL LE, DAWOOD MY, BURRY K, ZIEL H, LE BOFF MS, EL-HAJJ G, OGRINE F, SCHOENFELD MJ, **BUYALOS RP**, ADASHI E, SCHNATZ P: Comparison of sequential versus continuous estrogen/progestin replacement therapy on serum lipid patterns. Society for Gynecologic Investigation, 38th Annual Meeting, San Antonio, TX, March 20-23, 1991, abstract #491.
12. GIBBONS WE, JUDD HL, MOYER D, NACHTIGALL LE, BURRY K, LUCIANO AA, DAWOOD MY, ZIEL H, SCHNATZ P, **BUYALOS RP**, OGRINE F, SCHOENFELD MJ, EL-HAJJ G, LE

- BOFF MS, ADASHI E: Evaluation of sequential versus continuous estrogen/progestin replacement therapy on uterine bleeding patterns and endometrial histology. Society for Gynecologic Investigation, 38th Annual Meeting, San Antonio, TX, March 20-23, 1991, abstract #490.
13. **BUYALOS RP**, RUTANEN EM, TSUI E, HALME J. Release of tumor necrosis factor alpha by human peritoneal macrophages in response to toxic shock syndrome toxin-1. *Obstet Gynecol.* 1991 Aug;78(2):182-6.
  14. PEARLSTONE AC, FOURNET N, **BUYALOS RP**, PITZER S, PANG S, GAMBONE JC. Monthly fertility/fecundity rates during ovulation induction in women age 40 and older: the effect of day 3 follicle stimulating hormone levels. American Fertility Society Meeting, 47th Annual Meeting, Orlando, FL, Oct. 21-24, 1991, abstract #118.
  15. **BUYALOS RP**, TSUI E, CAI X: Enhanced development of preimplantation mouse embryos by epidermal growth factor. Society for Gynecologic Investigation, 39th Annual Meeting, San Antonio, TX, March 18-21, 1992, abstract #525.
  16. GELETY TJ, **BUYALOS RP**. The influence of clomiphene citrate dosage on cervical mucus in ovulatory cycles. American Fertility Society, 48th Annual Meeting, New Orleans, LA, Oct. 31-Nov. 5, 1992, abstract #142.
  17. GELETY TJ, **BUYALOS RP**. Exceedingly high levels of estradiol do not adversely affect pregnancy outcome in in vitro fertilization cycles. Pacific Coast Fertility Society, 41st Annual Meeting, Indian Wells, CA, April 14-18, 1993, abstract #2.
  18. AGARWAL SK, **BUYALOS RP**: Age related decline in fecundity rates in clomiphene citrate stimulated cycles is independent of corpus luteum function. Society for Gynecologic Investigation, 41st Annual Meeting, Chicago, IL, Mar 22-25, 1994, abstract #68.
  19. MAGARELLI PC, PEARLSTONE AC, **BUYALOS RP**. Pregnancy and live birth rates in infertile women 35 and older during ovulation induction: predictive value of patient age and basal follicle stimulating hormone levels. Pacific Coast Fertility Society, 42nd Annual Meeting, Indian Wells, CA, April 20-24, 1994, abstract #16
  20. MELDRUM DR, GARZO G, RAMSEY C, KILTZ R, **BUYALOS RP**, EL-ROEIY A, ANDERSON R: Chromium picolinate lowers insulin response to glucose in women with body weight who have polycystic ovarian disease. 50th Annual Meeting of The American Fertility Society, San Antonio, TX, November 5-10, 1994, abstract #132.
  21. SMITH KE, **BUYALOS RP**: Impact of patient age on pregnancy outcome after early detection of fetal cardiac activity by transvaginal sonography. 50th Annual Meeting of The American Fertility Society, San Antonio, TX, November 5-10, 1994, abstract #78.
  22. AGARWAL SK, **BUYALOS RP**: Is clomiphene citrate with intrauterine insemination effective therapy in women over the age of 35? 50th Annual Meeting of The American Fertility Society, San Antonio, TX, November 5-10, 1994, abstract #334 (**Prize Poster Award**).
  23. MAGARELLI PC, SMITH KE, PITZER S, **BUYALOS RP**, GAMBONE JC: Randomized "patient as own control" study of the effect of two versus two versus one intrauterine insemination in ovulation induction patients. Pacific Coast Fertility Society, 43rd Annual Meeting, San Diego, CA, April 26-30, 1995, abstract #60
  24. MAGARELLI PC, SMITH KE, PITZER S, **BUYALOS RP**, GAMBONE JC: The effect of the number of inseminations on fertility in ovulation induction patients: A prospective randomized

- "patient as own control" study. XV World Congress on Fertility Sterility (IFFS), Montpellier, France, September 17-22, 1995.
25. BRZECHFFA PR, **BUYALOS RP**: Menotropin requirements and patient age are predictors of clinical pregnancy rates with ovulation induction therapy. 51st Annual Meeting of the American Society for Reproductive Medicine, Seattle, WA, October 7-12, 1995, abstract #195.
  26. BRZECHFFA PR, DANESHMAND ST, **BUYALOS RP**: Sequential clomiphene citrate and human menopausal gonadotropin with intrauterine insemination following previous clomiphene citrate failure: the effect of patient age on clinical outcome. Pacific Coast Fertility Society, 44th Annual Meeting, Indian Wells, CA, April 17-21, 1996, abstract #24.
  27. DANESHMAND ST, BRZECHFFA PR, **BUYALOS RP**: Day 3 estradiol levels as a predictor of clinical pregnancy rates in older women undergoing ovulation induction therapy. 45th Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA, April 10-13, 1997, abstract #1.
  28. GHOSH, K, DANESHMAND S, **BUYALOS RP**. Intercycle variability of basal stimulating hormone and estradiol in infertile woman of advanced reproductive age. 45th Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA, April 10-13, 1997, abstract #12.
  29. **BUYALOS RP**, DANESHMAND ST, BRZECHFFA PR: Disturbances in the late luteal-early follicular phase transition in infertile women of advanced reproductive age. 53rd Annual Meeting of the American Society for Reproductive Medicine, Cincinnati, OH, October 18-22, 1997, abstract #002.
  30. MARGALIT R, SMITH D, **BUYALOS RP**. Blastocyst formation subsequent to day 3 embryo transfer is not predictive of pregnancy. 55th Annual Meeting of the American Society for Reproductive Medicine, Toronto, Canada, September 25-30, 1999, abstract #221.
  31. KETTEL LM, OTA M, **BUYALOS RP**, Hummel WP: A comparison of day 3 FSH and estradiol levels using two assay systems. 47th Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA, April 26-30, 2000.
  32. SCHIEWE MC, HUBERT G, **BUYALOS RP**: Human zygote cryopreservation using CBSTM cryobiostraws: A clinical trial. *Fertil Steril* 77:S22, 2002
  33. **BUYALOS RP**, HUBERT G, SCHIEWE MC. Poor fertility predictive value of the sperm chromatin structure assay (SCSA) is neutralized by sperm injection: case studies. *Fertil Steril* 81: 27-28, 2004.
  34. SCHIEWE MC, HUBERT G, **BUYALOS RP**. Testicular tissue processing: maximizing viability for cryopreservation and clinical use. *Fertil Steril* 81:15, 2004.
  35. GHADIR S, HUANG A, MUR E, DECHERNEY AH, **BUYALOS RP**, DURINZI KL. Therapeutic donor insemination (TDI) in advanced women: Impact on type on success. *Fertil Steril* 82:S141, 2004.
  36. SCHIEWE MC, MILLER F, HUBERT GD, **BUYALOS RP**. Comparative echogenicity of various soft-tipped embryo transfer catheters. *Fertil Steril* 84:S349-S350, 2005.
  37. SCHIEWE MC, MILLER F, HUBERT GD, **BUYALOS RP**. Pre-freeze manual collapsing of the blastocysts cavity increases cryosurvival of human blastocysts. *Fertil Steril*. 24:S182, 2005.



38. KETEFIAN A, SPROUL K, **BUYALOS RP**, HUBERT G, KUMAR A. Ectopic pregnancy (EP) after in vitro fertilization (IVF) and subsequent pregnancy outcomes. *Fertil Steril* 87:S16-7, 2007.
39. SPROUL S, **BUYALOS RP**, HUBERT GD, KUMAR A. Prevalence of Elevated Thyroid Stimulating Hormone (TSH) Levels Using the Conventional Cut-Off of 14.0 uIU/mL Versus 3.0 uIU/mL. *Fertil Steril* 87:S18, 2007.
40. MAK W, SPROUL K, HUBERT G, **BUYALOS RP**, KUMAR A. Combined transdermal and oral estradiol vs. transdermal estradiol only for luteal supplementation in patients undergoing in vitro fertilization. *Fertil Steril* 87:S22-23, 2007.
41. **BUYALOS RP**, LI M, MILLER F, HUBERT GD, SCHIEWE MC. The effect of media type, gas environment, and incubator model on Ivf success rates. *Fertil Steril* 69:S17-S18, 2008.
42. LI M, MILLER F, ZHANG M, KUMAR A, HUBERT G, **BUYALOS RP**. Day 7 blastocysts, should they be discarded or cryopreserved? *Fertil Steril* 90:S427, 2008.
43. **BUYALOS RP**, LI M, MILLER F, KUMAR A, HUBERT G. Triamniotic/monochorionic triplet pregnancy established after day 2 single embryo transfer with in vitro fertilization/(IVF-ET) *Fertil Steril* 90:S456, 2008.
44. **BUYALOS RP**, LI M, MILLER F, ZHANG M, KUMAR A, HUBERT G. Effective blastocyst cryopreservation markedly increases cumulative pregnancy rates per ova retrieval in donor ova and non-donor cycles independent of patient age. *Fertil Steril* 92:S157, 2009.
45. **BUYALOS RP**, WITJES H, MANNAERTS B, GORDON K. The Impact of Intercycle Variation on Predictive Parameters of Ovarian Reserve in the Xpect Trial. *Fertil Steril* 93:S9-S10, 2010.
46. **BUYALOS RP**, LI M, KUMAR A, HUBERT G, MILLER F. Does Advancing Maternal Age Ameliorate the Advantage of Blastocyst Transfer?: The implantation Rate of Blastocyst Compared to Cleavage Stage Embryo Transfer as a Function of Patient Age. *Fertil Steril* 95:S13-S14, 2011.
47. LI M, XIE Y, PARK H, KUMAR A, HUBERT GD, **BUYALOS RP**. The effects of elevated serum progesterone level at the level at the day of hCG injection of clinical outcome in IVF-ET patients. *Fertil Steril* 100:S7, 2013.
48. **BUYALOS RP**, LIU L, KUMAR A, WETHERBY F, LEONY R, LI M. Blastocysts re-analysis alter cleavage stage biopsy with 24 chromosome array comparative genomic hybridization (CGH). How Reliable is the PGS Report? *Fertil Steril*. 99:S29-S30, 2013.
49. **BUYALOS RP**, LIU L, KUMAR A, WETHERBY F, LEONY R, LI M. Is morula biopsy an effective option for PGS? *Fertil Steril* 99:S30, 2013.
50. WEATHERBY F, KEYHSAN S, KUMAR A, HUBERT G, **BUYALOS RP**, LI M. Oocyte bank set up by comparing different vitrification devices. *Fertil Steril* 100:S174, 2013.
51. WEATHERBY F, KEYHAN S, KUMAR A, HUBERT G, **BUYALOS RP**, LI M. Oocyte bank set up by comparing different vitrification devices. *Fertil Steril* 100:S185, 2013.
52. LI M, XIU Y, PARK H, KUMAR A, HUBERT G, **BUYALOS RP**. Frozen-thawed embryo transfer improves clinical outcomes in patients receiving IVF treatment. *Fertil Steril* 100:S177, 2013.
53. **BUYALOS R**, XIE Y, PARK H, AZADBADI S, HUBERT G, KUMAR A, LI M. Microarray preimplantation genetic screen significantly improves clinical outcomes with vitrified-thawed embryo transfer *Fertil Steril* 102:e177, 2014.

54. XIE Y, LI M, PARK H, AZADBADI S, KUMAR A, HUBERT G, **BUYALOS RP**. The relationship between blastocyst grading, timing of blastocyst formation, maternal age and chromosomal abnormality. *Fertil Steril* 102:e174, 2014.
55. LI M, KUMAR A, SHAMONKI M, HUBERT G, **BUYALOS RP**. Implantation rates following transfer of vitrified euploid blastocysts are independent of maternal age. *Fertil Steril* 104:e339–e340, 2015.
56. **BUYALOS RP**, XIE Y, PARK H, AZADBADI S, KUMAR A, HUBERT GD, LI M. Microarray pre-implantation genetic screening significantly improves clinical outcomes with vitrified-thawed embryo transfer. *Fertil Steril* 103:e29–e30, 2015.
57. SHAMONKI M, JIN H, HAIMOWITZ Z, **BUYALOS RP**, LIU L. Non-invasive preimplantation genetic screening (PGS) – free embryonic DNA in embryo culture media exists and may offer the potential for comprehensive chromosomal screening of human blastocysts. *Fertil Steril* 105:e37, 2016.
58. LI M, SHAMONKI M, HUBERT G, **BUYALOS RP**. Testicular sperm correlates with a similar rate of euploid embryo development compared to cycles using ejaculated sperm. Fertility and Sterility, ASRM 2016 presentation. *Fertil Steril* 106:e233, 2016.
59. KAING A, KROENER L, TASSIN R, LI M, LIU L, **BUYALOS RP**, HUBERT GD, SHAMONKI M. Earlier day of blastocyst trophoctoderm biopsy is predictive of embryonic euploidy across all age groups in both autologous and donor cycles: essential data for counseling patients. *Fertil Steril* 106:e351–e352, 2016.
60. LI M, SHAMONKI M, HUBERT G, TASSIN R, **BUYALOS RP**. Testicular sperm correlates with a similar rate of euploid embryo development compared to cycles using ejaculated sperm. 2016 Annual Meeting of the American Society for Reproductive Medicine, Salt Lake City, Utah, October 15 - 19, 2016.
61. Kaing A, Kroener L, **BUYALOS RP**, Hubert G, Shamonki M. Prediction model for expected live births per retrieval based on patient age and number of oocytes. Poster, Pacific Coast Reproductive Society Annual meeting, Indian Wells, CA, March 22-26, 2017.
62. Sundheimer LW, **BUYALOS RP**, Hubert G, Liu L, Al-Safi, Z, Shamonki M. Identification of previously undetected reciprocal translocations by comprehensive chromosomal screening of IVF embryos in patients with and without recurrent pregnancy loss. Poster, Pacific Coast Reproductive Society Annual meeting, Indian Wells, CA, March 22-26, 2017.
63. Zore T, Kroener LI, Wang B, Liu, **BUYALOS RP**, Hubert G, Shamonki M. Transfer of embryos with segmental mosaicism is associated with a significant reduction in live birth rate. Oral presentation, American Society for Reproductive Medicine, San Antonio, TX, October 28-November 1, 2017
64. Wang C, Hubert G, Shamonki M, **BUYALOS RP**. Euploidy rate is independently associated with the number of ova retrieved in fresh donor cycles. Poster, Pacific Coast Reproductive Society Annual meeting, Indian Wells, CA, March 21-25, 2018.
65. Hoyos LR, Cheng CY, Brennan K, Hubert G, Wang B, **BUYALOS RP**, Shamonki M. Aneuploidy rates among young oocyte donors: is there an optimal age for donation? Annual

Meeting of the American Society for Reproductive Medicine, Denver, CO, October 6-10, 2018  
(Submitted).

**SELECTED FACULTY SERVICE IN POST-GRADUATE COURSES AND SYMPOSIA:**

- Lasers in Gynecologic Endoscopy - Course Director, Los Angeles, CA (1990)
  - "Laser Physics"
  - "Laser Safety"
  - "Gynecologic Applications of the Argon Laser"
- Advanced Pelviscopy and Endovaginal Sonography, Rancho San Bernardo, CA (1991)
  - "Lasers in Gynecologic Endoscopy"
- Operative Laparoscopy, Santa Monica, CA (1992)
  - "Energy Sources in Operative Endoscopy"
- Annual Symposium of the Southern California Organization Pediatric Endocrinologists, Dana Point, CA (1993)
  - "Menstrual Disturbances in Adolescence"
- Institute for Medical Education, Portland, OR (1993)
  - "Reproductive Health Issues for Women"
  - "Menopause and Therapeutic Options"
- National Institute of Child Health and Human Development: Androgens and Women's Health Symposium, Bethesda, MD (1994)
  - "Insulin-like growth factors: Clinical Experience"
- Institute for Medical Education, Van Nuys, CA (1994)
  - "Reproductive Health Issues for Women"
  - "Menopause and Therapeutic Options"
- In Vitro Fertilization and Embryo Transfer: A Comprehensive Update, Santa Barbara, CA (1994)
  - "PCO - Pathophysiology and Outcome With IVF"
- UCLA Obstetrics and Gynecology Review Course, Beverly Hills, CA (1994)
  - "Assisted Reproductive Technologies"
  - "Ovulatory Disorders"
- American College of Obstetricians and Gynecologists Course, Rancho Mirage, CA (1995) Operative Laparoscopy
  - Laboratory instruction
- 22nd Annual University of California, Los Angeles Family Practice Review Course, Los Angeles, CA (1995)
  - "Hormone Replacement Therapy"
- UCLA Obstetrics and Gynecology Second Annual Review Course, Beverly Hills, CA (1995)
  - "Assisted Reproductive Technologies"
  - "Management of Hyperprolactinemia and Ovulatory Disorders"

- The Gerontological Society of America 48th Annual Meeting, Los Angeles, CA (1995)
  - Presidential Symposium: "Interdisciplinary Approaches to the Menopause"
  - "Health-care Implications of Hormone Replacement Therapy"
- 23<sup>rd</sup> Annual University of California, Los Angeles Review Course for Family Practice, Los Angeles, CA (1996)
  - "The Nuts & Bolts of Hormone Replacement Therapy"
- Current Issues in Women's Health, Los Angeles, CA (1996)
  - "Clinical Management of the Perimenopausal/Menopausal Patient-the Nuts and Bolts"
- Seminars and Workshops of the 52<sup>nd</sup> Annual Meeting of the American Society for Reproductive Medicine, Boston, MA (1996)
  - "Biomarkers and Clinical Outcomes in Female Reproductive Aging"
- Advanced Operative Laparoscopy and Hysteroscopy, (American College of Obstetricians and Gynecologists), Birmingham, AL (1996)
  - "Physics of Laser Energy"
  - "Basic Operative Laparoscopic Techniques and Instrumentation"
  - "Office Hysteroscopy"
- The Basic Science and Clinically Applied Technology of In Vitro Fertilization, San Francisco, CA (1997)
  - "Ovulation Induction Strategies: the Influence of Patient Age"
- The 28<sup>th</sup> Annual University of Kentucky Family Medicine Review Course, Lexington, KY (1997)
  - "Abnormal Uterine Bleeding"
- The 29<sup>th</sup> Annual University of Kentucky Family Medicine Review Course, Lexington, KY (1997)
  - "Amenorrhea"
- A Foundation for the Next Millennium: Principles for Nurses Specializing in Reproductive Medicine and the Assisted Reproductive Technologies. New Orleans, LA (1997)
  - "Ovulation Induction Strategies in the Older Patient"
- Advanced Operative Laparoscopy and Hysteroscopy, (American College of Obstetricians and Gynecologists) Birmingham, AL (1998)
  - "Peritoneal Access, Visualization, and Image Documentation"
  - "Laparoscopic Management of Ectopic Gestation"
  - "Diagnostic and Operative Hysteroscopy Instrumentation"
- 26<sup>th</sup> Annual University of California, Los Angeles Refresher Course for Family Practice, Santa Monica, CA (1999)
  - "Hormone Replacement Therapy - The Nuts & Bolts"
  - "An Office Based Approach to the Evaluation of the Infertile Couple"

- New Concepts in Reproductive Gynecology and Infertility, Annual Kaiser Northern California Region Conference (1999)
  - "Female - Fertility - Forties"
  - "Premature Ovarian Failure"
- 27<sup>th</sup> Annual University of California, Los Angeles Refresher Course for Family Practice, Santa Monica, CA (2000)
  - "Office Approach to Infertility"
- 46<sup>th</sup> Annual T. Hart Baker, MD Obstetrics and Gynecology Symposium, Kaiser Permanente Continuing Medical Education, Anaheim, CA (2002)
  - "Assisted Reproductive Technology 2002...Where Are We Today?"
- 29<sup>th</sup> Annual University of California, Los Angeles Refresher Course for Family Practice, Santa Monica, CA (2002)
  - "A Clinical Approach to Infertility"
- 30<sup>th</sup> Annual University of California, Los Angeles Refresher Course for Family Practice, Beverly Hills, CA (2003)
  - "Contemporary Management of the Infertile Couple"
- Cedar Sinai Medical Center / University of California, Los Angeles / Harbor Collegium, Los Angeles, CA (2005)
  - "The Impact of Patient Age on IVF Outcomes"
- 32<sup>th</sup> Annual University of California, Los Angeles Refresher Course for Family Practice, Los Angeles, CA (2005)
  - "Approach to the Infertile Couple"
- American Board of Oriental Reproductive Medicine (ABORM) Exam Review Course, Yo-San University of Traditional Chinese Medicine, Los Angeles, CA (2008)
  - "The Diagnosis and Treatment of Infertility"
  - "Polycystic Ovary Syndrome (PCOS): Current Concepts"
  - "Male Anatomy and Physiology"
- REI Symposium, Northern California Kaiser Permanente, Santa Clara, CA (2009)
  - "Current Concepts in Assisted Reproductive Technologies"
- ABORM Exam Review Course, Yo-San University of Traditional Chinese Medicine, Los Angeles, CA (2009)
  - "The Diagnosis and Treatment of Infertility"
  - "Polycystic Ovary Syndrome (PCOS): Current Concepts"
  - "Male Anatomy and Physiology"
- Sino-US Elder Woman Assisted Reproductive Strategies and Fertility Preservation Forum, Beijing, China (2016)
  - "Strategies for Optimizing Pregnancy Rates in Older Woman"

- Annual Sino-US Reproductive Strategies Study Forum, Changsha, China (2016)
  - “Strategies for Fertility Preservation: Where Are We Today?”
- Yo San University Integrative Reproductive Medicine Symposium, Los Angeles, CA (2018)
  - “Optimizing Pregnancy Rates in Women of Advancing Reproductive Age”

### **REPRESENTATIVE SELECTION OF INVITED LECTURES:**

- "TNF $\alpha$  Release and Activity of Peritoneal Macrophages", Basic Science Lecture Series in Reproductive Medicine, UCLA Hospital, Los Angeles, CA (1990)
- "Hirsutism - Diagnosis and Management", Grand Rounds, Department of Family Practice University of California at Los Angeles Hospital, Los Angeles, CA (1990)
- "In Vivo and In Vitro Measures of Insulin Resistance in Polycystic Ovarian Syndrome", Daniel Morton Society - UCLA School of Medicine, Los Angeles, CA (1991)
- "Pelviscopy and Gynecologic Endoscopy", Grand Rounds, University of Chicago-Loyola, Chicago, IL {1991)
- "Menstrual Dysfunction in the Adolescent", Grand Rounds, Children's Hospital of Los Angeles, Los Angeles, CA (1992)
- "Osteoporosis Prevention and Management", Grand Rounds, Dept. of Internal Medicine, University of California at Irvine, Irvine, CA (1992)
- "Ovulation Induction and the Impact of Patient Age", Grand Rounds, University of Alabama at Birmingham, Birmingham, AL (1992)
- "The Influence of Patient Age on Infertility Therapy", Grand Rounds, University of North Carolina, Chapel Hill, NC (1992)
- "The Influence of Patient Age on Infertility Therapy", Grand Rounds, UCLA-Harbor Medical Center, Torrance, CA (1992)
- "The Influence of Patient Age on Infertility Therapy", Grand Rounds, Sinai Hospital, Baltimore, MD (1992)
- "Contemporary Management of Hyperandrogenism", Grand Rounds, Scripps Memorial Hospital, La Jolla, CA (1992)
- "The Influence of Patient Age on Infertility Therapy", Grand Rounds, Georgetown University Medical Center, Washington, DC (1992)
- "The Impact of Age on Infertility Therapy", Grand Rounds, Tulane University Medical Center, New Orleans, LA (1992)
- "The Influence of Patient Age on Infertility Therapy", Grand Rounds, State University of New York at Stony Brook Medical Center, Stony Brook, NY, (1993)

- "The Impact of Age on infertility Therapy", Grand Rounds, University of California, San Diego, San Diego, CA (1993)
- "The Influence of Patient Age on Infertility Therapy"; Grand Rounds, University of Maryland Medical Center, Baltimore, Maryland {1993}
- "Contemporary Management of the Infertile Couple". Grand Rounds, Dept. of Family Medicine, University of California, Los Angeles. Los Angeles, CA (1993)
- "Ovulation Induction in the Older Patient", Round Table Lecture Series, 49<sup>th</sup> Annual Meeting of The American Fertility Society, Montreal, Canada (1993)
- "The Impact of Patient Age on Infertility Therapy", Grand Rounds, University of California at Los Angeles Hospital, Los Angeles, CA (1994)
- "Management Strategies for Infertile Woman after the Age of 35", Grand Rounds, University of Alabama at Birmingham, Birmingham, AL (1994)
- "Ovulation Induction in the Older Patient"; Round Table Lecture Series, 50<sup>th</sup> Annual Meeting of The American Fertility Society, San Antonio, TX (1994)
- "Biochemical Markers of Fertility Potential in the Human Female" (Basic Science Lecture Series in Reproductive Medicine), University of California at Los Angeles Hospital, Los Angeles, CA (11995)
- "Strategies for Infertility Therapy in the Older Patient", Grand Rounds, University of Arizona Medical Center, Tucson, AZ (1995)
- "Contemporary Management of Polycystic Ovarian Syndrome", Grand Rounds, Children's Hospital of Los Angeles (1995)
- "Human Aging and Reproductive Potential" Grand Rounds, Cedars-Sinai Medical Center, Los Angeles, CA (1995)
- "The Impact of Age on Human Reproduction", Grand Rounds, University of California at Los Angeles Hospital, Los Angeles, CA (1996)
- "The Impact of Patient Age on Infertility Therapy", Grand Rounds, Loyola University Medical Center Stritch School of Medicine, Chicago, IL (1996)
- "The Impact of Age on Human Reproduction"; Grand Rounds, University of Kentucky, Lexington, KY (1996)
- "Unexplained Infertility" Round Table Lecture Series, 44<sup>th</sup> Annual Meeting of the Pacific Coast Fertility Society, Indian Wells, CA (1996)
- "Human Aging and Reproductive Potential" (Combined Endocrine Lecture Series), UCLA Hospital, Los Angeles, CA (1996)
- "The Influence of Male and Female Age on Reproductive Capacity"; Grand Rounds, Olive View - UCLA Medical Center, Sylmar, CA (1996)



- "Ovulation Induction Strategies in the Older Patient"; Round Table Lecture Series, 52<sup>nd</sup> Annual Meeting of The American Society for Reproductive Medicine, Boston, MA (1996)
- "Contemporary Management of Hirsutism and Hyperandrogenism", American College of Obstetricians Gynecologist Annual Meeting (District V), Louisville, KY (1997)
- "Ovulation Induction Strategies in the Older Patient", Round Table Lecture Series, 53<sup>rd</sup> Annual Meeting of The American Society for Reproductive Medicine, Cincinnati, OH (1997)
- "Therapeutic Options in the Management of Couples of Advanced Reproductive Age", Grand Rounds, The Brooklyn Hospital, Brooklyn, NY (1998)
- "Contemporary Management of the Infertile Couple", Grand Rounds, Olive View - UCLA Medical Center, Sylmar, CA (1998)
- "Management of Fertility in Patients Greater than Forty Years of Age", Round Table Lecture Series, 46<sup>th</sup> Annual Meeting of The Pacific Coast Fertility Society, Indian Wells, CA (1998)
- "Ovulation Induction Strategies in Patients of Advanced Reproductive Age", Round Table Lecture Series, 16<sup>th</sup> World Congress on Fertility and Sterility and 54<sup>th</sup> Annual Meeting of The American Society for Reproductive Medicine, San Francisco, CA (1998)
- "Infertility Options: When, Why, and How Much?", Greater Los Angeles RESOLVE Symposia, Los Angeles, CA (1999)
- "The Influence of Patient Age on Infertility Therapy", Grand Rounds, Simi Valley Hospital, Simi Valley, CA (1999)
- "Recombinant Gonadotropins", Round Table Lecture Series, 50<sup>th</sup> Annual Meeting of The Pacific Coast Fertility Society, Indian Wells, CA (2002)
- "The Infertility Work-up for Women", 12<sup>th</sup> Annual Infertility & Adoption Symposium, RESOLVE, Greater Los Angeles Chapter, Los Angeles, CA (2003)
- "Evolution of A Highly Successful IVF Program", Beijing Medical and Fertility Society, Beijing, China (2014)
- "Strategies for Optimizing Pregnancy Outcomes in Patients of Advancing Reproductive Age", Patient Seminar, Beijing, China (2014)
- "Current Concepts in Ova and Embryo Vitrification for Fertility Preservation", Eugenic Technology International Lecture Series, Beijing, China (2015)
- "Preimplantation Genetic Screening of Human Embryos", Grand Rounds, Community Memorial Hospital, Ventura, CA (2015)
- "Current Concepts in Genetic Screening of Human Embryos: Where Are We Today?", Grand Rounds, Los Robles Medical Center, Thousand Oaks, CA (2016)

- “Strategies for Optimizing Fertility Outcomes in 2017”, Ground Rounds, Community Memorial Hospital, Ventura, CA (2017)