

CURRICULUM VITAE

Erkan Buyuk, M.D.

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POSITION AND HOSPITAL APPOINTMENTS:

2019-Present	Associate Program Director, Reproductive Endocrinology and Infertility Fellowship, Icahn School of Medicine at Mount Sinai
2019-Present	Assistant Clinical Professor, Department of Obstetrics, Gynecology, and Reproductive Science, Icahn School of Medicine at Mount Sinai
2019-Present	Reproductive Endocrinologist and Infertility Physician, Reproductive Medicine Associates of New York
2015-2019	Fellowship Director, Reproductive Endocrinology and Infertility Fellowship, Albert Einstein College of Medicine, Montefiore Medical Center,
2010-2019	Director, Reproductive Tissue Bank, Montefiore Medical Center
2010-2019	Director, Fertility Preservation Program, Montefiore Medical Center
2000-2001	Attending Physician, Department of Obstetrics and Gynecology, Pendik Sifa Hospital

CERTIFICATIONS:

American Board of Obstetrics and Gynecology (*Board Certified, 11/2011-Present*) (MOC 2019)
Reproductive Endocrinology (*Board Certified, 04/2013-Present*) (MOC 2019)

EDUCATION:

1988-1994 Hacettepe University Medical School, Ankara, Turkey
Doctorate of Medicine

POSTDOCTORAL TRAINING:

2007-2010	Fellowship, Division of Reproductive Endocrinology Albert Einstein College of Medicine, Bronx, New York
2004-2007	Residency, Department of Obstetrics and Gynecology Maimonides Medical Center, Brooklyn, New York
2001-2004	Research Fellow Cornell University, New York, New York Memorial Sloan Kettering Cancer Center, New York, New York
1994-1999	Residency, Department of Obstetrics and Gynecology Marmara University Hospital, Istanbul, Turkey

AWARDS AND HONORS:

2019	Prize Paper, Pacific Coast Reproductive Society Annual Meeting
2018	Society for Reproductive Investigation/Bayer Award
2006	Berlex Best Teaching Resident Award, Maimonides Medical Center
2002	Best Abstract Prize Candidate in ASRM Seattle, WA

1999 2nd Best Abstract Prize Award in 3rd Congress of OB/GYN, Turkish-German Society, Turkey

PROFESSIONAL SOCIETIES:

2002-Present American Society of Reproductive Medicine
2015-Present Society for Reproductive Investigation
2004-Present American Congress for Obstetricians and Gynecologists
2014-Present American Institute of Ultrasound in Medicine
2009-2011 Faculty of 1000 Medicine, Associate Faculty Member

OTHER PROFESSIONAL ACTIVITIES:

Professional Society Membership and Society Service

2020 QA Committee of SART
2020 Reviewer for ASRM's 76th Annual Meeting
2020 Reviewer for SRI's 67th Annual Meeting
2019 Reviewer for ASRM's 75th Annual Meeting
2019 Reviewer for SRI's 66th Annual Meeting
2018 ABOG REI Board Examiner
2018 ABOG Subspecialty Practice Analysis Subject Matter Expert
2018 Poster Judge for SRI's 65th Annual Meeting
2018 Speaker (Roundtable) for 2018 ASRM's 74th Annual meeting:
Serum progesterone elevation during ART: When to freeze all
2018 Reviewer for ASRM's 74th Annual Meeting
2018 Reviewer for SRI's 65th Annual Meeting
2017 Reviewer for ASRM's 73rd Annual Meeting
2016-2017 Past Chair, Turkish Special Interest Group, American Society for Reproductive
Medicine
2015-2016 Immediate Past Chair, Turkish Special Interest Group, American Society for
Reproductive Medicine
2014-2015 Chair, Turkish Special Interest Group, American Society for Reproductive Medicine
2015 Speaker (Roundtable) for 2015 ASRM's 71st Annual meeting: Ovarian
Transplantation: Recent Developments
2013 Moderator for 2013 IFFS/ASRM's 69th Annual Meeting: Clinical female Gynecology
and Infertility, Oral Presentations
2013 Speaker (Roundtable) for 2013 IFFS/ASRM's 69th Annual meeting:
Never Too Late To Procreate: Fertility Options for the Aging Woman
2013 Reviewer for 2013 IFFS/ASRM's 69th Annual Meeting
2012 Moderator for 2012 ASRM's 68th Annual Meeting
2012 Speaker (Roundtable) for 2012 ASRM's 68th Annual meeting
Never Too Late To Procreate: Fertility Options for the Aging Woman
2012 Reviewer for 2012 ASRM's 68th Annual Meeting

UNIVERSITY SERVICE:

2015-2019 Director, REI Resident Rotation, AECOM/Montefiore Medical Center
2017-2019 Director, Fellowship Program, AECOM/Montefiore Medical Center
2010-2019 Fellow Lectures (monthly), AECOM/Montefiore Medical Center
2010-2019 Fellow Journal Clubs (twice a month), AECOM/Montefiore Medical Center
2010-2019 Resident Lectures (twice a year), AECOM/Montefiore Medical Center
2010-2019 Medical Student Lectures (quarterly), AECOM/Montefiore Medical Center
2014-2017 Medical Students Simulation Courses (quarterly), AECOM/Montefiore Medical Center

COMMITTEES:

2015-2019 Fellowship Directors Committee, AECOM/Montefiore Medical Center
2007-2019 OB/GYN Research Liaison Committee, AECOM/Montefiore Medical Center
2007-2019 Reproductive Ethics Committee, AECOM/Montefiore Medical Center
2015-2017 Epic-Technology Committee, AECOM/Montefiore Medical Center

UNIVERSITY MENTORING AND CAREER DEVELOPMENT SERVICE:

2010-2019 Mentor for Residents' and Fellows' theses(6 fellows, 10 residents),
AECOM/Montefiore Medical Center

JOURNAL(S) REVIEWER:

Biomarkers in Medicine
Biotechnic and Histochemistry
European Journal of Obstetrics & Gynecology and Reproductive Biology
Future Oncology
Fertility and Sterility
Hormone and Metabolic Research
Human Reproduction
International Journal of Developmental Neuroscience
JAMA-Pediatrics
Journal of Clinical Endocrinology and Metabolism
Journal of Women's Health
Maturitas
New England Journal of Medicine
Plos One
Reproductive Biology and Endocrinology
Reproductive Sciences

GRAND ROUNDS AND INVITED PRESENTATIONS:

1. Fertility Preservation: Options for Cancer Patients: Feb 2015. Medical Oncology Grand Rounds, Montefiore Medical Center, Bronx, NY.
2. Fertility Preservation: Options for Cancer Patients: May 2013. Pediatric Oncology Grand Rounds, The Children's Hospital at Montefiore, Bronx, NY.
3. Fertility Preservation in Breast Cancer Patients: May 2012. Breast Cancer Center at Montefiore Medical Center, Bronx, NY.
4. Altered Neurotrophin Receptor Expression in Human Granulosa Cells: TrkA, a New Marker of Ovarian Reserve. June 2010. Albert Einstein College of Medicine Department of Obstetrics and Gynecology Grand Rounds, Bronx, NY.
5. Fertility Preservation: A Comprehensive Approach: November 2003. Riksstamman, Annual Multi Specialty Conference of Swedish Physicians, Stockholm, Sweden.

RESEARCH:

Current Funded Research:

2018 SRI/Bayer Grant
PI: Erkan Buyuk, MD
Project Title: Role of Obesity and High-AGE Diet on Ovarian Physiology

2015-present Ferring Pharmaceuticals
PI: Erkan Buyuk, MD
Project Title: Evaluation of Follicular Fluid and Granulosa Cells from IVF Patients for Markers of Reproductive Aging

2017-2018 Vivere

PI: Erkan Buyuk, MD; Jan Vijg, PhD
Project Title: Genomic instability of embryos and products of conception as detected by single cell variant caller

Completed Funded Research:

- 2007-2010 Center for Study of Reproductive Biology And Women Health, Albert Einstein College of Medicine of Yeshiva University
PI: Erkan Buyuk, MD
Project Title: Regulation of Neurotrophin Receptor Trk-A During Folliculogenesis and Ovulation
- 2007-2010 Resnick Gerontology Center, Aging Institute, Albert Einstein College of Medicine of Yeshiva University
PI: Erkan Buyuk, MD
Project Title: Anti-aging Potential of the Ovarian Neurotrophin System
- 2007-2007 Maimonides Research and Development Foundation
PI: Erkan Buyuk, MD
Project Title: Role of Neurotrophins in Folliculogenesis

PUBLICATIONS:

* REI fellow

** OB/GYN Resident

*** Medical Student

Original Peer Reviewed:

1. Thornton K, Merhi Z, Jindal S, Goldsammler M, Charron MJ, Buyuk E. Dietary Advanced Glycation End Products (AGEs) could alter ovarian function in mice. *Mol Cell Endocrinol.* 2020;510:110826. doi:10.1016/j.mce.2020.110826
2. Zaher M, Bazzi AA, Bonney EA, Buyuk E. Role of adiponectin in ovarian follicular development and ovarian reserve. *Biomed Rep.* 2019 Jun;1:1-5. PMID: 31258901. doi: 10.3892/br.2019.1213.
3. Yu B, Fritz R*, Xie X, Negassa A, Jindal S, Vega M*, Buyuk E. The impact of using donor sperm in assisted reproductive technology cycles on perinatal outcomes. *Fertil Steril.* 2018;110:1285-89.
4. Yu B, Vega M*, Zaghi S**, Fritz R, Jindal S, Buyuk E. Comparison of perinatal outcomes following frozen embryo transfer cycles using autologous versus donor oocytes in women 40 to 43 years old: analysis of SART CORS data. *J Assist Reprod Genet.* 2018;35:1613-21.
5. Fritz R*, Klugman S, Lieman H, Schulkin J, Taouk L, Castleberry N, Buyuk E. Counseling patients on reproductive aging and elective fertility preservation-a survey of obstetricians and gynecologists' experience, approach, and knowledge. *J Assist Reprod Genet.* 2018 Aug 2. doi: 10.1007/s10815-018-1273-7. [Epub ahead of print] PMID: 3007343.
6. Goldsammler M*, Merhi Z, Buyuk E. Role of hormonal and inflammatory alterations in obesity-related reproductive dysfunction at the level of the hypothalamic-pituitary-ovarian axis. *Reprod Biol Endocrinol.* 2018;16:45. doi: 10.1186/s12958-018-0366-6. Review.
7. Merhi Z, Buyuk E, Cipolla MJ. Advanced glycation end products alter steroidogenic gene expression by granulosa cells: an effect partially reversible by vitamin D. *Mol Hum Reprod.* 2018;24:318-26.

8. Vega M*, Zaghi S**, Buyuk E, Jindal S. Not all twins are monozygotic after elective single embryo transfer: analysis of 32,600 elective single embryo transfer cycles as reported to the Society for Assisted Reproductive Technology. *Fertil Steril*. 2018;109:118-122.
9. Meng F*, Zapantis G, Williams S, Lieman H, Buyuk E, Meier T. Status of nucleolar channel systems in uterine secretions accurately reflects their prevalence - a marker for the window of implantation - in simultaneously obtained endometrial biopsies. *Fertil Steril* 2018;109:165-71.
10. Fritz R*, Jindal S, Feil H, Buyuk E. Elevated serum estradiol levels in artificial autologous frozen embryo transfer cycles negatively impact ongoing pregnancy and live birth rates. *J Assist Reprod Genet* 2017;34:1633-8.
11. Buyuk E, Asemota OA*, Merhi Z, Charron MJ, Berger DS, Zapantis A, Jindal SK. Serum and follicular fluid monocyte chemotactic protein-1 levels are elevated in obese women and are associated with poorer clinical pregnancy rate after in vitro fertilization: a pilot study. *Fertil Steril* 2017;107:632-40.
12. Merhi Z, Thornton K*, Bonney E, Cipolla M, Charron M, Buyuk E. Ovarian kisspeptin expression is related to age and monocyte chemoattractant protein-1 (MCP-1). *J Assist Reprod Genet* 2016;33:535-43.
13. Moy V**, Jindal S, Lieman H, Buyuk E. Obesity adversely affects serum anti-mullerian hormone (AMH) levels in Caucasian women. *J Assist Reprod Genet* 2015;32:1305-11.
14. Merhi Z, Polotsky AJ, Bradford AP, Buyuk E, Chosich J, Phang T, Jindal S, Santoro N. Adiposity Alters Genes Important in Inflammation and Cell Cycle Division in Human Cumulus Granulosa Cell. *Reprod Sci* 2015;22:1220-8.
15. Merhi Z, Mcgee EA, Buyuk E. Role of advanced glycation end products in obesity related ovarian dysfunction. *Minerva Endocrinol* 2014;39:167-74.
16. Uysal N, Kiray M, Sisman AR, Baykara B, Aksu I, Dayi A, Gencoglu C, Evren M, Buyuk E, Cetin F, Acikgoz O. Effects of exercise and poor indoor air quality on learning, memory and blood IGF-1 in adolescent mice. *Biotech Histochem* 2014;89:126-35.
17. Ates M, Dayi A, Kiray M, Sisman AR, Agilkaya S, Aksu I, Baykara B, Buyuk E, Cetinkaya C, Cingoz S, Uysal N. Anxiety- and depression-like behavior are correlated with leptin and leptin receptor expression in prefrontal cortex of streptozotocin-induced diabetic rats. *Biotech Histochem* 2014;89:161-71.
18. Merhi Z*, Buyuk E, Berger DS, Zapantis A, Israel DD, Chua S Jr, Jindal S. Leptin suppresses anti-Mullerian hormone gene expression through the JAK2/STAT3 pathway in luteinized granulosa cells of women undergoing IVF. *Hum Reprod* 2013;28:1661-9.
19. Baykara B, Aksu I, Buyuk E, Kiray M, Sisman A, Baykara B, Dayi A, Tas A, Ozdemir D, Arda M, Uysal N. Progesterone treatment decreases traumatic brain injury induced anxiety and is correlated with increased serum IGF-1 levels; prefrontal cortex, amygdala, hippocampus neuron density; and reduced serum corticosterone levels in immature rats. *Biotech Histochem* 2013;88:250-7.
20. Aksu I, Ates M, Baykara B, Kiray M, Sisman AR, Buyuk E, Baykara B, Cetinkaya C, Gumus H, Uysal N. Anxiety correlates to decreased blood and prefrontal cortex IGF-1 levels in streptozotocin induced diabetes. *Neurosci Lett* 2012;531:176-81.
21. Nejat EJ*, Buyuk E. Reproductive technologies and the risk of birth defects. *N Engl J Med* 2012;367:875.
22. Aksu I, Baykara B, Ozbal S, Cetin F, Sisman AR, Dayi A, Gencoglu C, Tas A, Buyuk E, Gonenc-Arda S, Uysal N. Maternal treadmill exercise during pregnancy decreases anxiety and increases prefrontal cortex VEGF and BDNF levels of rat pups in early and late periods of life. *Neurosci Lett* 2012;516:221-5.
23. Uysal N, Sisman AR, Dayi A, Ozbal S, Cetin F, Baykara B, Aksu I, Tas A, Cavus SA, Gonenc-Arda S, Buyuk E. Acute footshock-stress increases spatial learning-memory and

- correlates to increased hippocampal BDNF and VEGF and cell numbers in adolescent male and female rats. *Neurosci Lett* 2012;514:141-6.
24. Uysal N, Sisman AR, Dayi A, Aksu I, Cetin F, Gencoglu C, Tas A, Buyuk E. Maternal exercise decreases maternal deprivation induced anxiety of pups and correlates to increased prefrontal cortex BDNF and VEGF. *Neurosci Lett* 2011;505:273-8.
 25. Nejat EJ*, Jindal S, Berger D, Buyuk E, Lalioti M, Pal L. Implications of blood type for ovarian reserve. *Hum Reprod* 2011;26:2513-7.
 26. Buyuk E, Santoro N, Cohen H, Charron MJ, Jindal S. Reduced Neurotrophin Receptor TrkA Expression in Human Granulosa Cells: A Novel Marker of Diminishing Ovarian Reserve. *Fertil Steril* 2011;96:474-8.
 27. Buyuk E, Seifer DB, Illions E, Grazi RV, Lieman H. Elevated body mass index is associated with lower serum anti-mullerian hormone levels in infertile women with diminished ovarian reserve but not with normal ovarian reserve. *Fertil Steril* 2011;95:2364-8.
 28. Buyuk E, Seifer DB, Younger J, Grazi RV, Lieman H. Random anti-Müllerian hormone (AMH) is a predictor of ovarian response in women with elevated baseline early follicular follicle-stimulating hormone levels. *Fertil Steril* 2011;95:2369-72.
 29. Kucherov A***, Polotsky AJ, Menke M, Isaac B, McAvey B, Buyuk E, Bradford AP, Hickmon C, Babbs B, Berga S, Loucks T, Santoro N. Aromatase inhibition causes increased amplitude, but not frequency, of hypothalamic-pituitary output in normal women. *Fertil Steril* 2011;95:2063-6.
 30. Oktem O, Buyuk E, Oktay K. Preantral Follicle Growth is Regulated by c-Jun-N-Terminal Kinase (JNK) Pathway. *Reprod Sci* 2011;18:269-76.
 31. Buyuk E, Nejat E, Neal-Perry G. Determinants of female reproductive senescence: differential roles for the ovary and the neuroendocrine axis. *Semin Reprod Med* 2010;28:370-9.
 32. Oktay K, Buyuk E, Rodriguez-Wallberg KA, Sahin G. In vitro maturation improves oocyte or embryo cryopreservation outcome in breast cancer patients undergoing controlled ovarian hyperstimulation for fertility preservation. *Reprod Biomed Online* 2010;20:634-8.
 33. Buyuk E, Neal-Perry G. Translational research and reproductive senescence. *The Female Patient* 2009;34:12.
 34. Oktay K, Buyuk E*, Oktem O, Oktay M, Giancotti F. Jun amino terminal kinase regulates G2/M transition possibly through aurora B. *Cell Cycle* 2008;7:533-41. (*Equal Contribution)
 35. Buyuk E, Seifer, DB. Follicular-fluid neurotrophin levels in women undergoing assisted reproductive technology for different etiologies of infertility. *Fertil Steril* 2008;90:1611-5.
 36. Bhangoo A, Buyuk E, Oktay K, Ten S. Phenotypic Features of 46, XX Females with StAR Protein Mutations. *Pediatr Endocrinol Rev* 2007;5:633-41.
 37. Oktay K, Buyuk E, Libertella N, Akar M, Rosenwaks Z. Fertility preservation in breast cancer patients: a prospective controlled comparison of ovarian stimulation with tamoxifen and letrozole for embryo cryopreservation. *J Clin Oncol* 2005;23:4347-53.
 38. Oktay K, Buyuk E. Fertility preservation in women undergoing cancer treatment. *Lancet* 2004;363:1830.
 39. Oktay K, Buyuk E. Ovarian Transplantation in humans: Indications, techniques and the risk of reseeded cancer. *Eur J Obstet Gynecol Reprod Biol* 2004;113:45-7.
 40. Oktay K, Buyuk E, Veeck L, Zaninovic L, Xu K, Takeuchi T, Opsahl M, Rosenwaks Z. Embryo development after heterotopic transplantation of cryopreserved ovarian tissue. *Lancet* 2004;363:837-40.
 41. Oktay K, Buyuk E, Rosenwaks Z, Rucinski J. A technique for transplantation of ovarian cortical strips to the forearm. *Fertil Steril* 2003;80:193-8.

42. Oktay K, Buyuk E, Davis O, Yermakova I, Veeck L, Rosenwaks Z. Fertility preservation in breast cancer patients: IVF and embryo cryopreservation after ovarian stimulation with tamoxifen. *Hum Reprod* 2003;18:90-5.
43. Oktay K, Buyuk E. The potential of ovarian tissue transplant to preserve fertility. *Expert Opin Biol Ther* 2002;2:361-70.
44. Buyuk E, Durmusoglu F, Dokmeci C. Effect of initial gestagen treatment on bleeding patterns in postmenopausal women receiving continuous combined HRT. *Menopause* 1999;6:156-60.
45. Buyuk E, Durmusoglu F, Erenus M, Karakoc B. Endometrial disease diagnosed by transvaginal ultrasound and dilatation and curettage. *Acta Obstet et Gynecol Scandinavica* 1999;78;419-22.
46. Buyuk E, Gurler A, Erenus M. Relationship between circulating E2 levels, body mass index and breakthrough bleeding in postmenopausal women receiving HRT. *Menopause* 1998;5:24-27.

BOOK CHAPTERS:

1. Kadakia T*, Buyuk E. Ovarian cortical tissue biopsy and freezing for auto transplantation. Chapter in; *Diminished Ovarian Reserve and Assisted Reproductive Technologies: Current Research and Clinical Management*. Ed: Orhan Bukulmez. Springer Publications. In press.
2. Kucherov A*, Buyuk E. Ovarian and Hypothalamic Aging. Chapter in; *Diminished Ovarian Reserve and Assisted Reproductive Technologies: Current Research and Clinical Management*. Ed: Orhan Bukulmez. Springer Publications. In press.
3. Moy V**, Buyuk E. Anti-Mullerian Hormone and Obesity. *Anti-Mullerian Hormone: Biology, Role in Ovarian Function and Clinical Significance*. Eds. Reshef Tal, David B. Seifer, Nova Science Publishers, 2015.
4. Oktay K, Buyuk E. *Frontiers in Fertility. Nezhat's Operative Gynecologic Laparoscopy and Hysteroscopy*, 2nd Edition, 2013.
5. Buyuk E, Oktay K. The Technique of Ovarian Tissue Cryopreservation and Transplantation. Chapter in: *Atlas of Gynecologic Oncology-Investigation and Surgery*, 3rd Edition, 2011.
6. Buyuk E, Santoro N. *Menopause and Hormone Replacement Therapy. Comprehensive Toxicology*, 2nd edition, 2010.
7. Buyuk E, Oktem O, Sonmezer M, Oktay K. Ovarian tissue cryopreservation and other fertility preservation strategies. Chapter in: *Gardner Textbook of Gynecology*, 3rd Edition, 2008.
8. Oktay K, Buyuk E. *Fertility and Cancer in Women. Reproductive Medicine Secrets*. 1st Edition, 2004.
9. Oktay K, Buyuk E. The Technique of Ovarian Transplantation: Laboratory and Clinical Aspects. Chapter in: *A Color Atlas for Human Assisted Reproduction / Laboratory and Clinical Insights*. 1st Edition, 2003.

ABSTRACTS AND PRESENTATIONS:

* REI fellow

** OB/GYN Resident

*** Medical Student

1. Olcha M*, Dong X, Feil H, Hao X, Lee M, Jindal S, Buyuk E, Vigg J. A workflow for simultaneous DNA Copy number and methylome analysis of ICM and TE cells from human

- blastocysts. 67th Annual Meeting of Pacific Coast Reproductive Society, Indian Wells, CA, April 3-7, 2019 (Oral-Prize Paper).
2. Goldsammler S*, Merhi Z, Thornton K*, Charron M, Buyuk E. Ovarian RAGE Expression Changes with Follicular Development and Superovulation. 74th Annual Meeting of American Society for Reproductive Medicine, Denver, CO, October 6-10, 2018 (Poster).
 3. Merhi Z, Bonney E, Buyuk E. Adiponectin Could Play a Role in Ovarian Follicular Development and Ovarian Reserve. 65th Annual Meeting of Society for Reproductive Investigation, San Diego, CA, March 6-10, 2018 (Poster).
 4. Merhi Z, Thornton K*, Bennett-Toomey J, Hennebold J, Buyuk E. Advanced glycation end products upregulate insulin receptor substrate-1 (IRS-1) in granulosa cells. 73rd Annual Meeting of American Society for Reproductive Medicine, San Antonio, TX, October 28-November 1, 2017 (Oral).
 5. Vega M*, Zhagi S**, Buyuk E, Jindal S, Yu B. Perinatal outcomes in autologous versus donor egg recipient (DER) cycles in older patients: Analysis of 156,873 cycles reported to SART CORS. 73rd Annual Meeting of American Society for Reproductive Medicine, San Antonio, TX, October 28-November 1, 2017 (Oral).
 6. Fritz R*, Klugman S, Lieman H, Schulkin J, Taouk L, Buyuk E. Counseling patients on reproductive aging (RA) and elective fertility preservation (EFP)- A survey of obstetricians and gynecologists (OB/GYN) experience, approach, and knowledge. 73rd Annual Meeting of American Society for Reproductive Medicine, San Antonio, TX, October 28-November 1, 2017 (Oral).
 7. Aly J**, Vega M*, Buyuk E, Pollack S. Zika virus awareness amongst patients seeking conception versus reproductive endocrinology physicians. 73rd Annual Meeting of American Society for Reproductive Medicine, San Antonio, TX, October 28-November 1, 2017 (Poster).
 8. Buyuk E, Charron M, Thornton K*, Asemota O*, Merhi Z. High-fat diet and aging affect ovarian RAGE gene expression. 64th Annual Meeting of Society for Reproductive Investigation, Orlando, FL, March 15-18, 2017 (Oral).
 9. Zhagi S**, Vega M*, Yu B, Buyuk E, Jindal S. Are all twins following elective single embryo transfer (ESET) monozygotic? Analysis of 32,600 ESET cycles reported to SART. 72nd Annual Meeting of American Society for Reproductive Medicine, Salt Lake City, UT, October 15-19, 2016 (Oral).
 10. Vega M*, Zhagi S**, Buyuk E, Jindal S, Yu B. Perinatal outcomes associated with ovarian aging: is it the uterus or the egg? Analysis of 156,873cycles reported to SART. 72nd Annual Meeting of American Society for Reproductive Medicine, Salt Lake City, UT, October 15-19, 2016 (Poster).
 11. Clapp M*, Illions E, Buyuk E. Factors affecting cancer patients' decision to proceed with fertility preservation treatments and their relation to delay in chemotherapy. 72nd Annual Meeting of American Society for Reproductive Medicine, Salt Lake City, UT, October 15-19, 2016 (Poster).
 12. Clapp M*, Feil H, Buyuk E. The comparison of pregnancy outcomes in obese and non-obese polycystic ovary syndrome patients undergoing in vitro fertilization cycles. 72nd Annual Meeting of American Society for Reproductive Medicine, Salt Lake City, UT, October 15-19, 2016 (Poster).
 13. Thornton K*, Asemota O, Jindal S, Charron M, Buyuk E. Aging is associated with increased expression of genes of folliculogenesis and steroidogenesis in mice ovaries. 63rd Annual Meeting of Society for Reproductive Investigation, Montreal, QC, March 16-19, 2016 (Poster).
 14. Perlman B**, Kulak D*, Buyuk E, McGovern P. Serum FSH Levels During Controlled Ovarian Hyperstimulation (COH) Predict IVF Success. 63rd Annual Meeting of Society for Reproductive Investigation, Montreal, QC, March 16-19, 2016 (Poster).

15. Kulak D*, Perlman B**, Buyuk E, McGovern P. Obesity Affects Serum FSH Levels During Controlled Ovarian Hyperstimulation (COH). 63rd Annual Meeting of Society for Reproductive Investigation, Montreal, QC, March 16-19, 2016 (Poster).
16. Merhi Z, Fadiel A, Buyuk E, Naftolin F, Cipolla M. Vitamin D attenuates the adverse effect of advanced glycation end products (AGEs) on human granulosa cells: Implications for women with PCOS. 71st Annual Meeting of American Society for Reproductive Medicine, Baltimore, MD, October 17-21, 2015 (Oral).
17. Chang S**, Thornton K*, Jindal S, Lieman H, Buyuk E. Progesterone (P4) elevation on day of human chorionic gonadotropin (HCG) trigger predicts lower pregnancy rate during in vitro fertilization (IVF) cycles. Obesity and high fat diet impair response to superovulation by suppressing genes involved in ovarian folliculogenesis. 71st Annual Meeting of American Society for Reproductive Medicine, Baltimore, MD, October 17-21, 2015 (Poster).
18. Thornton K*, Asemota O, Jindal S, Charron M, Buyuk E. High fat diet and aging are associated with macrophage infiltration in the ovaries. 71st Annual Meeting of American Society for Reproductive Medicine, Baltimore, MD, October 17-21, 2015 (Oral).
19. Thornton K*, Asemota O, Jindal S, Charron M, Buyuk E. Obesity and high fat diet impair response to superovulation by suppressing genes involved in ovarian folliculogenesis. 71st Annual Meeting of American Society for Reproductive Medicine, Baltimore, MD, October 17-21, 2015 (Poster).
20. Merhi Z, Buyuk E, Krebs K, Oppenheimer K, Bonney E. MCP-1: An Inflammatory Marker that Affects Ovarian Follicular Development in Mice. 62nd Annual Meeting of Society for Reproductive Investigation, San Francisco, CA, March 25-28, 2015 (Oral).
21. Asemota O*, Seki Y, Berger D, Jindal SK, Charron MJ, Buyuk E. MCP-1, a central mediator of obesity and diet-induced ovarian dysfunction. 70th Annual Meeting of American Society for Reproductive Medicine, Honolulu, HI, October 18-22, 2014 (Poster).
22. Moy V, Jindal S, Lieman H, Buyuk E. Obesity adversely affects serum anti-mullerian hormone levels among Caucasian women. 70th Annual Meeting of American Society for Reproductive Medicine, Honolulu, HI, October 18-22, 2014 (POSTER).
23. Asemota O*, Charron MJ, Zapantis A, Berger D, Jindal SK, Buyuk E. Monocyte chemotactic protein-1 is the central mediator of inflammation in the ovarian follicle of obese women. 69th Annual Meeting of the American Society for Reproductive Medicine, Boston, MA, October 12-17, 2013. (ORAL)
24. Asemota O*, Igel C***, Zameni M**, Lieman H, Jindal SK, Buyuk E. IVF/ICSI split does not prevent failed fertilization or improve live birth rates in unexplained infertility. 69th Annual Meeting of the American Society for Reproductive Medicine, Boston, MA, October 12-17, 2013. (POSTER)
25. Asemota O*, Girda J**, Jordan J, Bevilacqua K, Jindal SK, Buyuk E. Embryo abandonment: a serious but frequently overlooked complication of embryo cryopreservation. 69th Annual Meeting of the American Society for Reproductive Medicine, Boston, MA, October 12-17, 2013. (POSTER)
26. Kulak D**, Jindal S, Hickmon C, Yu A***, Lieman H, Buyuk E. More is not better: Daily serum FSH levels during controlled ovarian hyperstimulation in women with normal and diminished ovarian reserve across a spectrum of body mass indices. 68th Annual Meeting of the American Society for Reproductive Medicine, San Diego, CA, October 20-24, 2012. (ORAL)
27. Asemota O*, Jindal S, Neal-Perry G, Charron M, Buyuk E. Monocyte chemotactic protein 1: Sole mediator of inflammatory response in the ovaries of obese women undergoing controlled ovarian hyperstimulation-IVF? 68th Annual Meeting of the American Society for Reproductive Medicine, San Diego, CA, October 20-24, 2012. (POSTER)

28. Merhi Z*, Buyuk E, Berger D, Zapantis A, Chua S, Jindal S. Leptin suppresses anti-mullerian hormone gene expression in human luteinized granulosa cells through JAK2/STAT3 pathway. 68th Annual Meeting of the American Society for Reproductive Medicine, San Diego, CA, October 20-24, 2012. (ORAL)
29. Berger D, McAvey B, Goldsammler M**, Zapantis A, Buyuk E, Jindal S. Fertilization method predicts embryo quality. 68th Annual Meeting of the American Society for Reproductive Medicine, San Diego, CA, October 20-24, 2012. (POSTER)
30. Buyuk E, Kulak D**, Hickmon C, Yu A***, Lieman H, Jindal S. Establishing serum FSH threshold to optimize controlled ovarian hyperstimulation (COH) for women with normal ovarian reserve: a pilot study. 59th Annual Meeting of the Society for Gynecologic Investigation, San Diego, CA, March 21-24, 2012. (POSTER)
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LANGUAGES SPOKEN:

English (Fluent)
Turkish (Fluent)
French (Fluent)
Spanish (Medical)