

Vinay Gunnala

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EDUCATION

2015 – 2018	Fellowship in Reproductive Endocrinology and Infertility New York Presbyterian Hospital Weill Cornell Medical College New York, NY
2011- 2015	Residency in Obstetrics and Gynecology New York Presbyterian Hospital Weill Cornell Medical College New York, NY
2007-2011	M.D. University of Arizona, College of Medicine Tucson, AZ
2001-2005	B.S. Mammalian Physiology and Neuroscience University of California, San Diego San Diego, CA
2003	Minor in European Studies Universidad de Michoacan and Universidad de Granada Morelia, Mexico and Granada, Spain

LICENSURE AND CERTIFICATION

License:	Arizona Medical Board
Board Certification:	Obstetrics and Gynecology – December 2016
Active Candidate:	Reproductive Endocrinology and Infertility

HONORS AND AWARDS

2018	ASRM In-Training Award for Research
2014	Pacific Coast Reproductive Society Professional in Training Scholarship
2014	Medical Student Resident Teaching Award
2013	61st ACOG Annual Clinical Meeting, Resident Reporter
2008, 09, 10	University of Arizona College of Medicine Leadership Award

TEACHING EXPERIENCE

2018- Present	Associate director for Reproductive Health Illness Disease curriculum block for pre-clinical medical students
2017-Present	Lecturer and moderator for problem based learning groups for 3 rd year OB/GYN clerkship medical students
2015-Present	Lecturer for Weill Cornell OB/GYN residents
2006-2008	Health Education Instructor for Pima County Jail Inmates

PROFESSIONAL MEMBERSHIPS

2013-Present	American Society for Reproductive Medicine, Member
2013-Present	Pacific Coast Reproductive Society, Member
2011-Present	American Congress of Obstetricians & Gynecologists, Fellow
2011	Weill Cornell Obstetrics and Gynecology RRC Site Visit Committee

VOLUNTEER AND WORK EXPERIENCE

February- March 2011	Medical Student Volunteer Baylor Institute of Pediatric AIDS Lesotho, Africa
2010-2011	Research Assistant Analgesic Research and Development Lab, University of Arizona College of Medicine Tucson, AZ
June- July 2008	Medical Student Volunteer CACHA Medical Student Internship Riobamba, Ecuador
2007-2009	Vice President/ Class Representative University of Arizona College of Medicine Student Government Tucson, AZ
2005-2006	V.I.S.T.A. Volunteer Americorps, Nevada Health Centers Las Vegas, NV
2004-2005	Student Research Volunteer Mitochondrial and Metabolic Disease Center, UCSD San Diego, CA

HOBBIES/ INTERESTS

Races- Half marathon: Staten Island 2014, 2015. Sprint triathlons: Tucson 2011, Chicago 2015, Tempe 2017
Softball- NYC city league 2013 Spring champions, 2017 Fall Runner up
Surfing- surf camps in Montañita, Ecuador, Durban, South Africa and Tamarindo, Costa Rica
Sailing- ASA 101 Basic Keelboat Sailing license
Spanish- verbal and written fluency

PEER-REVIEWED PUBLICATIONS

- Irani M, Nasioudis D, Witkin S, **Gunnala V**, Spandorfer S. High serum IGF-1 levels are associated with pregnancy loss following frozen-thawed euploid embryo transfer cycles. *J Reprod Immunol*. 2018 Jun; 127:7-10.
- Irani M, Zaninovic N, Canon C, O'Neill C, **Gunnala V**, Zhan Q, Palermo G, Reichman D, Rosenwaks Z. A rationale for biopsying embryos reaching the morula stage on day 6 in women undergoing preimplantation genetic testing for aneuploidy. *Hum Reprod*. 2018 May; 33(5):935-941.
- Gunnala V**, Irani M, Melnick A, Rosenwaks Z, Spandorfer S. One thousand seventy-eight autologous IVF cycles in women 45 years and older: the largest single-center cohort to date. *J Assist Reprod Genet*. 2018 Mar; 35(3):435-440.
- Irani M, Robles A, **Gunnala V**, Chung P, Rosenwaks Z. Unilateral pleural effusion as the sole clinical presentation of severe ovarian hyperstimulation syndrome: a systematic review. *Gynecol Endocrinol*. 2018 Feb; 34(2):92-99.
- Irani M, Robles A, **Gunnala V**, Reichman D, Rosenwaks Z. Optimal parameters for determining the LH surge in natural cycle frozen-thawed embryo transfers. *J Ovarian Res*. 2017 Oct; 10(1):70.
- Gunnala V**, Pereira N, Irani M, Lilienthal D, Pirog EC, Soslow R, Caputo TA, Elias R, Kligman I, Rosenwaks Z. Novel Fumarate Hydratase Mutation in Siblings With Early Onset Uterine Leiomyomas and Hereditary Leiomyomatosis and Renal Cell Cancer Syndrome. *Int J Gynecol Pathol*. 2018 May; 37(3):256-261.
- Gunnala V**, Melnick A, Irani M, Reichman D, Schattman G, Davis O, Rosenwaks Z. Sliding scale HCG trigger yields equivalent pregnancy outcomes and reduces ovarian hyperstimulation syndrome: Analysis of 10,427 IVF-ICSI cycles. *PLoS One*. 2017 Apr 25; 12(4):e0176019.
- Pereira N, **Gunnala V**, Palermo GD, Elias RT. Laparoscopic Management of Severe Endometriosis-Related Hemorrhagic Ascites. *J Minim Invasive Gynecol*. 2018 Jan; 25(1):8-9.
- Irani M, Robles A, **Gunnala V**, Spandorfer SD. Unilateral Salpingectomy and Methotrexate Are Associated With a Similar Recurrence Rate of Ectopic Pregnancy in Patients Undergoing In Vitro Fertilization. *J Minim Invasive Gynecol*. 2017 Jul - Aug; 24(5):777-782.
- Pereira N, Elias RT, **Gunnala V**, Baergen RN. Sonographic, Hysteroscopic, and Histopathological Findings of a Placental Site Nodule. *J Minim Invasive Gynecol*. 2017 Sep - Oct; 24(6):891-892.
- Gunnala V**, Schattman G. Oocyte vitrification for elective fertility preservation: the past, present, and future. *Curr Opin Obstet Gynecol*. 2017 Feb; 29(1):59-63.
- Irani M, Elias RT, Pereira N, **Gunnala V**, Rosenwaks Z. Abdominal ectopic pregnancy with undetectable serum β -human chorionic gonadotropin 9 days following blastocyst transfer. *J Obstet Gynaecol Res*. 2016 Dec; 42(12):1886-1888.
- Gunnala V**, Setton R, Pereira N, Huang J. Robot-assisted myomectomy for large uterine myomas: A single center experience. *Minim Invasive Surg*. 2016; 2016:4905292.
- Gunnala V**, Reichman DE, Meyer L, Davis OK, Rosenwaks Z. Beyond the American Society for Reproductive Medicine transfer guidelines: how many cleavage-stage embryos are safe to transfer in women ≥ 43 years old? *Fertil Steril*. 2014 Dec; 102(6):1626-32.
- Frey MK, Kramer J, **Gunnala V**, Tsatsas M, Gupta D. Risk-reducing salpingectomy at the time of benign hysterectomy and permanent sterilization: A survey of Obstetricians-Gynecologists. *J Gynecol Surg*. 2014 Nov; 30: 285-90.
- Reichman D, **Gunnala V**, Meyer L, Spandorfer S, Schattman G, Davis OK, Rosenwaks Z. In vitro fertilization versus conversion to intrauterine insemination in the setting of three or fewer follicles: How should patients proceed when follicular response falls short of expectation? *Fertil Steril* 2013 Jul;100(1):94-9

PRESENTED ABSTRACTS (ORALS)

Gunnala V, Matei I, Toschi M, Hoshino A, Bojmar L, Kenific C, Wortzel I, Xu, K, Zaninovic N, Rosenwaks Z, Lyden D. (2018) Characterization of human pre-implantation embryonic exosomes. American Society of Reproductive Medicine. Denver, Colorado.

Gunnala V, Mostisser C, Irani M, Reichman D, Chung P, Xu K, Rosenwaks Z. (2018) Multiple freeze thaw cycles negatively impact pregnancy outcomes: A comparison of euploid blastocysts that underwent two freeze/thaw cycles vs. one freeze/thaw cycle prior to embryo transfer. Pacific Coast Reproductive Society. Indian Wells, CA.

Gunnala V, Irani M, Schattman G, Rosenwaks Z. (2017) BRCA mutation breast cancer patients show equivalent ovarian reserve and response to IVF stimulation compared to BRCA negative patients and other malignancies undergoing fertility preservation. American Society of Reproductive Medicine. San Antonio, TX.

Gunnala V, Irani M, Schattman G, Rosenwaks Z. (2017) Liquid tumor patients show equivalent ovarian reserve and response to IVF stimulation compared to a solid tumor undergoing fertility preservation. American Society of Reproductive Medicine. San Antonio, TX.

Irani M, Nasioudis D, Gunnala V, Witkin S, Spandorfer S. (2017) Serum levels of PTX3 and SFLT-1 predict the outcomes of frozen-thawed euploid embryo transfer cycles. American Society for Reproductive Medicine. San Antonio, TX.

Gunnala V, Irani M, Rosenwaks Z, Spandorfer S. (2016) IVF in women of 45 years and older: the largest single center cohort to date. American Society of Reproductive Medicine. Salt Lake City, UT

Irani M, Robles A, Gunnala V, Rosenwaks Z, Spandorfer S. (2016) Unilateral salpingectomy and methotrexate are associated with similar recurrence rate of ectopic pregnancy in patients undergoing IVF. American Society of Reproductive Medicine. Salt Lake City, UT.

Gunnala V, Reichman D, Schattman G, Davis O, Rosenwaks, Z. (2014) Analysis of sliding scale hCG for reduction of ovarian hyperstimulation syndrome in 10,247 IVF-ICSI cycles. American Society for Reproductive Medicine. Honolulu, HI.

PRESENTED ABSTRACTS (POSTERS)

Gunnala V, Canon C, Kong L, Wan JC, Irani M, Chung P, Rosenwaks Z. (2018) Do blastulation rates correlate with embryo ploidy? A comparison of 1,552 IVF cycles with preimplantation genetic testing stratified by age and percent blastulation. American Society of Reproductive Medicine. Denver, Colorado.

Hancock K, Gunnala V, Irani M, Schattman G, Rosenwaks Z. (2017) Subsequent IVF cycle outcomes following a pregnancy loss: first analysis of interpregnancy interval in an IVF population. American Society of Reproductive Medicine. San Antonio, TX.

Irani M, Elder S, Kreines F, Gunnala V, James D, Reichman, D, Rosenwaks Z. (2017) Should we measure progesterone level on the day of trigger before fresh embryo transfer? American Society for Reproductive Medicine. San Antonio, TX.

Irani M, O'Neill C, Palermo G, Gunnala V, Xu K, Zaninovic N, Rosenwaks Z. (2017) The impact of maternal age at retrieval on the implantation rate of euploid blastocysts. American Society for Reproductive Medicine. San Antonio, TX 2017.

Irani M, Canon C, O'Neill C, Gunnala V, Zaninovic N, Xu K, Reichman D, Rosenwaks Z. (2017) Should we biopsy embryos reaching morula stage on day 6 for patients undergoing preimplantation genetic screening? American Society for Reproductive Medicine. San Antonio, TX.

Irani M, Gunnala V, Kligman I, Rosenwaks Z. (2017) The impact of the day of embryo transfer and type of transfer cycle on the incidence of ectopic pregnancy following IVF. American Society for Reproductive Medicine. San Antonio, TX.

Gunnala V, Pereira N, Parrella A, Cheung S, O'Neill C, Rosenwaks Z., Palermo G. (2017) Investigating the role of sperm-specific RNA to screen men with unexplained infertility. European Society of Human Reproduction and Embryology. Geneva, Switzerland.

Irani M, O'Neill C, Palermo G, **Gunnala V**, Zhang C, Qin X, Xu K, Zaninovic N, Rosenwaks Z. (2017) Day of trophectoderm biopsy influences implantation and ongoing pregnancy rates of similarly-graded euploid blastocysts. European Society of Human Reproduction and Embryology. Geneva, Switzerland.

Irani M, **Gunnala V**, Kligman I, Rosenwaks Z. (2017) Pregnancy outcomes of oocytes matured in vitro and fertilized with intracytoplasmic sperm injection. Pacific Coast Reproductive Society. Indian Wells, CA.

Irani M, **Gunnala V**, Rosenwaks Z, Spandorfer S. (2017) Ectopic pregnancy rate does not correlate with the number of retrieved oocytes or estradiol levels in fresh autologous IVF cycles. Society for Reproductive Investigation. Orlando, FL.

Irani M, O'Neill C, Palermo G, **Gunnala V**, Zhang C, Qin X, Xu K, Zaninovic N, Rosenwaks Z. (2017) Day of trophectoderm biopsy influences implantation and ongoing pregnancy rates of similarly-graded euploid blastocysts. New York Obstetrical Society. Manhattan, NY.

Gunnala V, Irani M, Bolyakov A, Zhan Q, Reichman D, Paduch D, Zaninovic N, Rosenwaks Z. (2016) Relationship of sperm DNA fragmentation (TUNEL) to blastulation and euploidy after IVF. American Society of Reproductive Medicine. Salt Lake City, UT.

Irani M, **Gunnala V**, Goldschlag D, Rosenwaks Z. (2016) Does trigger of final oocyte maturation with pure GnRH-agonist have adverse effects on pregnancy outcomes of donor/recipient cycles? American Society of Reproductive Medicine. Salt Lake City, UT.

Irani M, **Gunnala V**, Kligman I, Rosenwaks Z. (2016) The success rate of intrauterine insemination after failed oocyte retrieval. American Society of Reproductive Medicine. Salt Lake City, UT.

Irani M, **Gunnala V**, Rosenwaks Z, Spandorfer S. Obesity is associated with an increase in spontaneous abortion rate in young women undergoing IVF without affecting the aneuploidy rate. (2016) American Society of Reproductive Medicine. Salt Lake City, UT.

Irani M, Setton R, **Gunnala V**, Goldschlag D, Rosenwaks Z. Dose of human chorionic gonadotropin to trigger final oocyte maturation. (2016) American Society of Reproductive Medicine. Salt Lake City, UT.

Irani M, Robles A, **Gunnala V**, Reichman D, Rosenwaks Z. (2016) Optimal parameters for determining the LH surge in natural cycle frozen-thawed embryo transfers. American Society of Reproductive Medicine. Salt Lake City, UT.

Stewart J, Frey MK, **Gunnala V**, Gupta D. (2014) Risk-reducing salpingectomy at the time of benign gynecologic surgery: A survey of ACOG members in New York State. American Society of Clinical Oncology. Chicago, IL.

Gunnala V, Setton R, Huang J. (2013) Is robotic assisted myomectomy safe for large uterine fibroids? Society for Gynecologic Surgery. Phoenix, AZ.

Gunnala V, Reichman D, Meyer L, Davis O, Rosenwaks Z. (2013) Beyond the ASRM transfer guidelines: maximum number of embryos to transfer in women ≥ 43 years of age. American Society for Reproductive Medicine. Boston, MA.

Reichman D, **Gunnala V**, Meyer L, Spandorfer S, Schattman G, Davis O, Rosenwaks Z. (2013) IVF versus conversion to IUI in the setting of three or fewer follicles: How should patients proceed when follicular response falls short of expectation? Pacific Coast Reproductive Society. Indian Wells, CA.

Frey MK, Kramer J, Caputo TA, **Gunnala V**, Holcomb K, Tsatsas M, Gupta D. (2013) Risk-reducing salpingectomy at the time of benign hysterectomy and permanent sterilization: A survey of obstetricians/gynecologists. Society of Gynecologic Oncology on Women's Cancer. Los Angeles, CA.

Kudesia R, **Gunnala V**, Schattman G. (2013) This is 40: in vitro fertilization for women in their fifth decade. New York Obstetrical Society Resident and Fellows Research Day. New York, NY.