BOSTONIVF

Research Articles 2015-2019

2015

Title	Author(s)	Citation (APA)

In Vitro Fertilization in Women With Inflammatory Bowel Disease Is as Successful as in Women From the General Infertility Population	Sveta Shah Oza, Vikas Pabby, Laura E. Dodge, Vasiliki A. Moragianni, Michele R. Hacker, Janis H. Fox, Katharine Correia, Stacey A. Missmer, Yetunde Ibrahim, Alan S. Penzias, Robert Burakoff, Sonia Friedman, and Adam S. Cheifetz	Oza, S. S., Pabby, V., Dodge, L. E., Moragianni, V. A., Hacker, M. R., Fox, J. H., Correia, K., Missmer, S. A., Ibrahim, Y., Penzias, A. S., Burakoff, R., Friedman, S., & Cheifetz, A. S. (2015). In Vitro Fertilization in Women With Inflammatory Bowel Disease Is as Successful as in Women From the General Infertility Population. *Clinical gastroenterology and hepatology : the official clinical practice journal of the American Gastroenterological Association*, *13*(9), 1641–6.e3. https://doi.org/10.1016/j.cgh.2015.03.016
Lifestyle habits of 12,800 IVF patients: Prevalence of negative lifestyle behaviors, and impact of region and insurance coverage	Alice D. Domar, Kristin L. Rooney, Melissa Milstein & Lisa Conboy	Domar, A. D., Rooney, K. L., Milstein, M., & Conboy, L. (2015). Lifestyle habits of 12,800 IVF patients: Prevalence of negative lifestyle behaviors, and impact of region and insurance coverage. *Human fertility (Cambridge, England)*, *18*(4), 253–257. https://doi.org/10.3109/14647273.2015.1071881
Clustering of monozygotic twinning in IVF	Denis A. Vaughan & Robin Ruthazer & Alan S. Penzias, & Errol R. Norwitz & Denny Sakkas	Vaughan, D. A., Ruthazer, R., Penzias, A. S., Norwitz, E. R., & Sakkas, D. (2016). Clustering of monozygotic twinning in IVF. *Journal of assisted reproduction and genetics*, *33*(1), 19–26. https://doi.org/10.1007/s10815-015-0616-x
		Domar, A. D., Gross, J., Rooney, K., & Boivin, J. (2015). Exploratory

Exploratory randomized trial on the effect of a brief psychological intervention on emotions, quality of life, discontinuation, and pregnancy rates in in vitro fertilization patients	Alice D. Domar, Ph.D., Jill Gross, M.S., Kristin Rooney, B.A., and Jacky Boivin, Ph.D.	randomized trial on the effect of a brief psychological intervention on emotions, quality of life, discontinuation, and pregnancy rates in in vitro fertilization patients. *Fertility and sterility*, *104*(2), 440–51.e7. https://doi.org/10.1016/j.fertnstert.2015.05.009

2016

Title	Author(s)	Citation (APA)

Aging and the environment affect gamete and embryo potential: can we intervene?	David R. Meldrum, M.D., Robert F. Casper, M.D., Antonio Diez-Juan, Ph.D., Carlos Simon, M.D., Ph.D., Alice D. Domar, Ph.D., and Rene Frydman, M.D., Ph.D.	Meldrum, D. R., Casper, R. F., Diez-Juan, A., Simon, C., Domar, A. D., & Frydman, R. (2016). Aging and the environment affect gamete and embryo potential: can we intervene?. *Fertility and sterility*, *105*(3), 548–559. https://doi.org/10.1016/j.fertnstert.2016.01.013
The impact of younger age on treatment discontinuation in insured IVF patients	Laura E. Dodge, & Denny Sakkas & Michele R. Hacker, & Rachael Feuerstein & Alice D. Domar	Dodge, L. E., Sakkas, D., Hacker, M. R., Feuerstein, R., & Domar, A. D. (2017). The impact of younger age on treatment discontinuation in insured IVF patients. *Journal of assisted reproduction and genetics*, *34*(2), 209–215. https://doi.org/10.1007/s10815-016-0839-5
No change in live birthweight of IVF singleton deliveries over an 18-year period despite significant clinical and laboratory changes	Kristi Maas, Ekaterina Galkina, Kim Thornton, Alan S. Penzias, and Denny Sakkas	Maas, K., Galkina, E., Thornton, K., Penzias, A. S., & Sakkas, D. (2016). No change in live birthweight of IVF singleton deliveries over an 18-year period despite significant clinical and laboratory changes. *Human reproduction (Oxford, England)*, *31*(9), 1987–1996. https://doi.org/10.1093/humrep/dew173
The impact of stress on fertility treatment	Kristin L. Rooney and Alice D. Domar	Rooney, K. L., & Domar, A. D. (2016). The impact of stress on fertility treatment. *Current opinion in obstetrics & gynecology*, *28*(3), 198–201. https://doi.org/10.1097/GCO.0000000000000261

2017

Title	Author(s)	Citation (APA)
How many oocytes are optimal to achieve multiple live births with one stimulation cycle? The one-and-done approach	Denis A. Vaughan, M.D., Angela Leung, M.D., Nina Resetkova, M.D., Robin Ruthazer, M.P.H., Alan S. Penzias, M.D., Denny Sakkas, Ph.D., and Michael M. Alper, M.D	Vaughan, D. A., Leung, A., Resetkova, N., Ruthazer, R., Penzias, A. S., Sakkas, D., & Alper, M. M. (2017). How many oocytes are optimal to achieve multiple live births with one stimulation cycle? The one-and-done approach. *Fertility and sterility*, *107*(2), 397–404.e3. https://doi.org/10.1016/j.fertnstert.2016.10.037
Ovarian stimulation protocols for IVF: is more better than less?	Michael M Alper & Bart C Fauser	Alper, M. M., & Fauser, B. C. (2017). Ovarian stimulation protocols for IVF: is more better than less?. *Reproductive biomedicine online*, *34*(4), 345–353. https://doi.org/10.1016/j.rbmo.2017.01.010
Will noninvasive methods surpass invasive for assessing gametes and embryos?	Tim Sanchez, Ph.D., Emily A. Seidler, M.D., David K. Gardner, D.Phil., Daniel Needleman, Ph.D., and Denny Sakkas, Ph.D.	Sanchez, T., Seidler, E. A., Gardner, D. K., Needleman, D., & Sakkas, D. (2017). Will noninvasive methods surpass invasive for assessing gametes and embryos?. *Fertility and sterility*, *108*(5), 730–737. https://doi.org/10.1016/j.fertnstert.2017.10.004

2018

Title	Author(s)	Citation (APA)

Burden of care is the primary reason why insured women terminate in vitro fertilization treatment	Alice D. Domar, Ph.D., Kristin Rooney, B.A., Michele R. Hacker, Sc.D., Denny Sakkas, Ph.D., and Laura E. Dodge, Sc.D.	Domar, A. D., Rooney, K., Hacker, M. R., Sakkas, D., & Dodge, L. E. (2018). Burden of care is the primary reason why insured women terminate in vitro fertilization treatment. *Fertility and sterility*, *109*(6), 1121–1126. https://doi.org/10.1016/j.fertnstert.2018.02.130
Paternal factors contributing to embryo quality	Stacy Colaco & Denny Sakkas	Colaco, S., & Sakkas, D. (2018). Paternal factors contributing to embryo quality. *Journal of assisted reproduction and genetics*, *35*(11), 1953–1968. https://doi.org/10.1007/s10815-018-1304-4
Types and frequency of nonconformances in an IVF laboratory	Denny Sakkas, C. Brent Barrett, and Michael M. Alper	Sakkas, D., Barrett, C. B., & Alper, M. M. (2018). Types and frequency of non-conformances in an IVF laboratory. *Human reproduction (Oxford, England)*, *33*(12), 2196–2204. https://doi.org/10.1093/humrep/dey320
Hippo signaling in the ovary and polycystic ovarian syndrome	Kristi Maas, & Sheyla Mirabal, & Alan Penzias, & Paul M. Sweetnam, & Kevin C. Eggan & Denny Sakkas	Maas, K., Mirabal, S., Penzias, A., Sweetnam, P. M., Eggan, K. C., & Sakkas, D. (2018). Hippo signaling in the ovary and polycystic ovarian syndrome. *Journal of assisted reproduction and genetics*, *35*(10), 1763–1771. https://doi.org/10.1007/s10815-018-1235-0
		Murphy, L. A., Seidler, E. A., Vaughan, D. A., Resetkova, N., Penzias, A. S., Toth, T. L., Thornton, K. L., & Sakkas, D. (2019). To test or not to test?

To test or not to test? A framework for counselling patients on preimplantation genetic testing for aneuploidy (PGT-A)	Denis A. Vaughan, Sophia H. Yin, Jaimin S. Shah, Annika Gompers, Michele R. Hacker, Denny Sakkas, Alice Domar, Thomas L. Toth	A framework for counselling patients on preimplantation genetic testing for aneuploidy (PGT-A). *Human reproduction (Oxford, England)*, *34*(2), 268–275. https://doi.org/10.1093/humrep/dey346
The relationship between stress and infertility	Kristin L. Rooney, BA; Alice D. Domar, PhD	Rooney, K. L., & Domar, A. D. (2018). The relationship between stress and infertility. *Dialogues in clinical neuroscience*, *20*(1), 41–47. https://doi.org/10.31887/DCNS.2018.20.1/klrooney
The role of the mental health professional in the ART clinic setting	Kristin L. Rooney and Alice D. Domar	Domar, A. D., & Rooney, K. L. (2018). The role of the mental health professional in the ART clinic setting. In M. K. Skinner (Ed.), *Encyclopedia of reproduction* (2nd ed., pp. 371-374). Academic Press. https://doi.org/10.1016/B978-0-12-801238-3.64904-8
Thicker endometrial linings are associated with better IVF outcomes: a cohort of 6331 women	Emily C. Holden, Laura E. Dodge, Rita Sneeringer, Vasiliki A. Moragianni, Alan S. Penzias, and Michele R. Hacker	Holden, E. C., Dodge, L. E., Sneeringer, R., Moragianni, V. A., Penzias, A. S., & Hacker, M. R. (2018). Thicker endometrial linings are associated with better IVF outcomes: a cohort of 6331 women. *Human fertility (Cambridge, England)*, *21*(4), 288–293. https://doi.org/10.1080/14647273.2017.1334130

2019

Title	Author(s)	Citation (APA)

Embryo donation: Survey of in-vitro fertilization (IVF) patients and randomized trial of complimentary counseling	Alison E. Zimon, Donald S. ShepardID, Jeffrey Prottas, Kristin L. Rooney, Jeanie Ungerleider, Yara A. Halasa-Rappel, Denny Sakkas, Selwyn P. Oskowitz	Zimon, A. E., Shepard, D. S., Prottas, J., Rooney, K. L., Ungerleider, J., Halasa-Rappel, Y. A., Sakkas, D., & Oskowitz, S. P. (2019). Embryo donation: Survey of in-vitro fertilization (IVF) patients and randomized trial of complimentary counseling. *PloS one*, *14*(8), e0221149. https://doi.org/10.1371/journal.pone.0221149
Assisted reproductive technology outcomes in female-to-male transgender patients compared with cisgender patients: a new frontier in reproductive medicine	Angela Leung, M.D., Denny Sakkas, Ph.D., Samuel Pang, M.D., Kim Thornton, M.D., and Nina Resetkova, M.D., M.B.A	Leung, A., Sakkas, D., Pang, S., Thornton, K., & Resetkova, N. (2019). Assisted reproductive technology outcomes in female-to-male transgender patients compared with cisgender patients: a new frontier in reproductive medicine. *Fertility and sterility*, *112*(5), 858–865. https://doi.org/10.1016/j.fertnstert.2019.07.014
Luteinizing Hormone Action in Human Oocyte Maturation and Quality: Signaling Pathways, Regulation, and Clinical Impact	Armando Arroyo, & Beomsu Kim & John Yeh	Arroyo, A., Kim, B., & Yeh, J. (2020). Luteinizing Hormone Action in Human Oocyte Maturation and Quality: Signaling Pathways, Regulation, and Clinical Impact. *Reproductive sciences (Thousand Oaks, Calif.)*, *27*(6), 1223–1252. https://doi.org/10.1007/s43032-019-00137-x
Low dose human chorionic gonadotropin administration at the time of gonadotropin		Engmann, L. L., Maslow, B. S., Kaye, L. A., Griffin, D. W., DiLuigi, A. J., Schmidt, D. W., Grow, D. R., Nulsen, J. C., & Benadiva, C. A. (2019). Low dose human chorionic gonadotropin administration at the time of gonadotropin

releasing-hormone agonist trigger versus 35 h later in women at high risk of developing ovarian hyperstimulation syndrome – a prospective randomized double-blind clinical trial	L. L. Engmann, B. S. Maslow, L. A. Kaye, D. W. Griffin, A. J. DiLuigi, D. W. Schmidt, D. R. Grow, J. C. Nulsen, and C. A. Benadiva	releasing-hormone agonist trigger versus 35 h later in women at high risk of developing ovarian hyperstimulation syndrome - a prospective randomized double-blind clinical trial. *Journal of ovarian research*, *12*(1), 8. https://doi.org/10.1186/s13048-019-0483-7
Risk of ischemic placental disease in fresh and frozen embryo transfer cycles	Anna Modest, Katherine Johnson, S. Ananth Karumanchi, Nina Resetkova, Brett Young, Matthew Fox, Lauren Wise, Michele Hacker	Johnson, K. M., Hacker, M. R., Resetkova, N., O'Brien, B., & Modest, A. M. (2019). Risk of ischemic placental disease in fresh and frozen embryo transfer cycles. *Fertility and sterility*, *111*(4), 714–721. https://doi.org/10.1016/j.fertnstert.2018.11.043
Postoperative adhesions in gynecologic surgery: a committee opinion	Alan Penzias, M.D.; Kristin Bendikson, M.D.; Tommaso Falcone, M.D.; Susan Gitlin, Ph.D.; Clarisa Gracia, M.D., M.S.C.E.; Karl Hansen, M.D., Ph.D.; Micah Hill, D.O.; William Hurd, M.D., M.P.H.; Sangita Jindal, Ph.D.; Suleena Kalra, M.D., M.S.C.E.; Jennifer Mersereau, M.D.; Randall Odem, M.D.; Catherine Racowsky, Ph.D.: Robert Rebar, M.D.; Richard Reindollar, M.D.; Mitchell Rosen, M.D.; Jay Sandlow, M.D.; Peter Schlegel, M.D.; Anne Steiner, M.D., MPH.; Dale Stovall, M.D.; Cigdem Tanrikut, M.D.	Practice Committee of the American Society for Reproductive Medicine in collaboration with the Society of Reproductive Surgeons. Electronic address: asrm@asrm.org, & Practice Committee of the American Society for Reproductive Medicine in collaboration with the Society of Reproductive Surgeons (2019). Postoperative adhesions in gynecologic surgery: a committee opinion. *Fertility and sterility*, *112*(3), 458–463. https://doi.org/10.1016/j.fertnstert.2019.06.027
	Santiago Munne, Ph.D., Brian Kaplan, M.D., John L.	Munné, S., Kaplan, B., Frattarelli, J. L., Child, T., Nakhuda, G., Shamma, F. N., Silverberg, K., Kalista, T., Handyside, A. H., Katz-Jaffe,

Preimplantation genetic testing for aneuploidy versus morphology as selection criteria for single frozen-thawed embryo transfer in good-prognosis patients: a multicenter randomized clinical trial	Frattarelli, M.D., H.C.L.D., Tim Child, M.D., Gary Nakhuda, M.D., F. Nicholas Shamma, M.D., Kaylen Silverberg, M.D., Tasha Kalista, M.A., Alan H. Handyside, Ph.D., Mandy Katz-Jaffe, M.D., Dagan Wells, Ph.D., Tony Gordon, Ph.D., Sharyn Stock-Myer, Ph.D., and Susan Willman, M.D., on behalf of the STAR Study Group	M., Wells, D., Gordon, T., Stock-Myer, S., Willman, S., & STAR Study Group (2019). Preimplantation genetic testing for aneuploidy versus morphology as selection criteria for single frozen-thawed embryo transfer in good-prognosis patients: a multicenter randomized clinical trial. *Fertility and sterility*, *112*(6), 1071–1079.e7. https://doi.org/10.1016/j.fertnstert.2019.07.1346
RNA-seq as a tool for evaluating human embryo competence	Abigail F. Groff, Nina Resetkova, Francesca DiDomenico, Denny Sakkas, Alan Penzias, John L. Rinn, and Kevin Eggan	Groff, A. F., Resetkova, N., DiDomenico, F., Sakkas, D., Penzias, A., Rinn, J. L., & Eggan, K. (2019). RNA-seq as a tool for evaluating human embryo competence. *Genome research*, *29*(10), 1705–1718. https://doi.org/10.1101/gr.252981.119
Sperm selection methods in the 21st century	Denis A. Vaughan and Denny Sakkas	Vaughan, D. A., & Sakkas, D. (2019). Sperm selection methods in the 21st century. *Biology of reproduction*, *101*(6), 1076–1082. https://doi.org/10.1093/biolre/ioz032
Is younger better? Donor age less than 25 does not predict more favorable outcomes after in vitro fertilization	Leigh A. Humphries, & Laura E. Dodge, & Erin B. Kennedy & Kathryn C. Humm, & Michele R. Hacker, & Denny Sakkas	Humphries, L. A., Dodge, L. E., Kennedy, E. B., Humm, K. C., Hacker, M. R., & Sakkas, D. (2019). Is younger better? Donor age less than 25 does not predict more favorable outcomes after in vitro fertilization. *Journal of assisted reproduction and genetics*, *36*(8), 1631–1637. https://doi.org/10.1007/s10815-019-01494-x

Expanding our understanding of fertility preservation outcomes in transgender men	Iris G. Insogna, M.D., M.B.E. Elizabeth Ginsburg, M.D.	Insogna, I. G., & Ginsburg, E. (2019). Expanding our understanding of fertility preservation outcomes in transgender men. *Fertility and sterility*, *112*(5), 809–810. https://doi.org/10.1016/j.fertnstert.2019.08.064