

OVULATION DISORDERS – GENERAL (OVG)

1. Check JH, Rakoff AE, Roy BK: Induction of ovulation with combined glucocorticoid and clomiphene citrate therapy in a minimally hirsute woman. *J Reprod Med*: 19:159-160, 1977.
2. Check JH, Adelson HG: Improved fertility in normoprolactinemic women with ovulation defects treated with bromocriptine. *Infertility* 4:37-48, 1981.
3. Check JH, Goldberg BB, Kurtz A, Adelson HG, Dietterich C: Serum estradiols versus pelvic sonography in monitoring hMG therapy (Ultrasound versus estradiols for hMG therapy). *Int J Fertil* 30:61-63, 1985.
4. Check JH, Wu CH, Goldberg BB, Kurtz A, Adelson HG: High-dose estrogen to prevent premature spontaneous ovulation during hMG therapy: Two case reports. *Infertility* 7:45-52, 1984.
5. Check JH, Goldberg BB, Kurtz A, Adelson HG, Rankin A: Pelvic sonography to help determine the appropriate therapy for luteal phase defects (Sonography and luteal phase defects). *Int J Fertil* 29:156-158, 1984.
6. Check JH, Chase JS, Adelson HG, Dietterich C: New approaches to the diagnosis and therapy of the luteinized unruptured follicle syndrome. *Int J Fertil* 30:29-32, 1986.
7. Check JH, Wu CH, Gocial B, Adelson HG: Severe ovarian hyperstimulation syndrome from treatment with urinary follicle stimulating hormone: Two cases. *Fertil Steril* 43:317-319, 1985.
8. Check JH: Use of bromocriptine in mildly hyperprolactinemic women with follicular maturation defects. *Advances In Therapy* 2(6), 1985.
9. Check JH, Chase JS, Adelson HG, Teichman M, Rankin A: The efficacy of progesterone in achieving successful pregnancy: I. Prophylactic use during luteal phase in anovulatory women. *Int J Fertil* 32:135-138, 1987.
10. Check JH, Adelson HG: The efficacy of progesterone in achieving successful pregnancy: II, in women with pure luteal phase defects. *Int J Fertil* 32:139-141, 1987.
11. Check JH: Hyperprolactinemia and luteal phase defects. *Prolactin Disorders: Highlights of a National Symposium*. Sandoz Pharmaceuticals Corporation, U.S.A., 9/26/86.
12. Check JH, Nowroozi K, Wu CH, Adelson HG, Lauer C: Ovulation-inducing drugs versus progesterone therapy for infertility in patients with luteal phase defects. *Int J Fertil* 33(4):252-256, 1988.
13. Check JH, Nowroozi K, Wu CH, Adelson HG, Lauer C: The importance of luteal phase

- deficiency as a cause of infertility in private practice - A preliminary report. *Infertility* 10:111-120, 1987.
14. Check JH, Wu CH, Adelson HG: Bromocriptine versus progesterone therapy for infertility related to luteal phase defects in hyperprolactinemic patients, *Int J Fertil* 34(3):209-214, 1989.
 15. Check JH, Chase JS, Nowroozi K, Wu CH, Chern R: Clinical evaluation of the PipelleR Endometrial Suction Curette (Pipelle de CornierTM) for timed endometrial biopsies. *J Reprod Med* 34(3):218-220, 1989.
 16. Check JH, Wu CH, Epstein R, Adelson HG, Davies E, Liss J, Stern J, Vetter B: Effect of age on the success of therapy for infertility. *Infertility* 12(2):63-71, 1989.
 17. Check JH, Adelson HG, Dietterich C, Stern J: Pelvic sonography can predict ovum release in gonadotropin-treated patients as determined by pregnancy rate. *Human Reproduction* 5(3):234-236, 1990.
 18. Check JH, Nowroozi K, Chase JS, Vaze M, Joshi S, Baker A: Serum progesterone-associated endometrial protein (PEP) levels in conception versus non-conception cycles following in vitro fertilization embryo transfer. *J IVF-ET* 7:134-136, 1990.
 19. Check JH, Dietterich C, Houck M: Ipsilateral versus contralateral ovary selection of dominant follicle in succeeding cycle. *Obstet Gynecol* 77(2):247-249, 1991.
 20. Check JH, Nowroozi K, Check ML, Vetter B: Correlation of serum progesterone associated endometrial protein levels with endometrial biopsies, serum steroid levels, and therapy for luteal phase defects. *Human Reproduction*. 6(4):511-514, 1991.
 21. Check JH, Chase JS, Nowroozi K, Dietterich CJ: Premature luteinization - Treatment and incidence in natural cycles. *Human Reproduction*. 6:190-193, 1991.
 22. Check JH, Chase JS, Adelson HG: Evidence for the existence of a pure corpus luteum deficiency. 1990 Elsevier Science Publishers B.V. (Biomedical Division) *From Ovulation to Implantation*. H.H.L. Evers and M.J. Heineman, editors, pages 211-215.
 23. Check JH: Spontaneous or therapeutic induction of ovulation. *Fertil Steril* 54(2):367-368, 1990.
 24. Check JH: Preovulatory progesterone supplementation. *Fertil Steril* 54(3):545-546, 1990.
 25. Check JH, Adelson HG, Stern J, Lauer C: Influence of serum progesterone levels at the time of hCG on the release of ova during hMG cycles. *Int J Fertil*. 37:103-105, 1992.
 26. Check JH: Letter-to-the-editor: Ipsilateral versus contralateral ovary selection of

- dominant follicle in succeeding cycle. *Obstet Gynecol* 77:969-970, 1991.
27. Check JH, Vaze M, Raikar R, Nowroozi K, Joshi S, Epstein R, Vetter B: Fertility better correlates with higher levels of progesterone-dependent endometrial protein. *Infertility* 13:131-136, 1990.
 28. Check JH, Dietterich C, Nowroozi K, Wu CH: Comparison of various therapies for the luteinized unruptured follicle (LUF) syndrome. *Int. J. Fertil.* 37:33-40, 1992.
 29. Check JH, Dietterich C, Lauer C, Lurie D: The effect of follicle maturing drugs on mid-cycle androgen levels in women with normal baseline levels. *Gynecologic Endocrinology.* 6:107-111, 1992.
 30. Check JH, Davies E, Adelson H: A randomized prospective study comparing pregnancy rates following clomiphene citrate and human menopausal gonadotropin therapy. *Hum Reprod* 7(6):801-805, 1992.
 31. Check JH, Dietterich C, Adelson HG: The effect of follicle maturing drugs on side of ovulation in successive cycles. *Human Reproduction.* 7(4):475-478, 1992.
 32. Check JH, Adelson H, Lurie D, Jamison T: The effect of the short follicular phase on subsequent conception. *Gynecologic and Obstetric Investigation.* 34:180-183, 1992.
 33. Check JH, Nazari A, Barnea ER, Weiss W, Vetter BH: The efficacy of short-term gonadotrophin-releasing hormone agonists versus human chorionic gonadotrophin to enable oocyte release in gonadotrophin stimulated cycles. *Hum Reprod* 8:568-571, 1993.
 34. Check JH, Vetter BH, Weiss W: Comparison of hCG versus GnRH analog for releasing oocytes following ultra-low-dose gonadotropin stimulation. *Gynecological Endocrinology* 7(2):115-122, 1993.
 35. Check JH, Vetter BH, Weiss W: Comparison of hCG versus GnRH analog in releasing oocytes following ultra low-dose gonadotropin stimulation. Reprinted from *Frontiers in Gynecological Endocrinology Series, Chapter 41, pgs 359-367. The Proceedings of the Second International Capri Conference, Capri, Italy, May 22-26, 1992.*
 36. Check JH, Peymer M, Zaccardo M: Evaluation of whether using hCG to stimulate oocyte release helps or decreases pregnancy rates following intrauterine insemination. *Gynecol Obstet Invest* 38:57-59, 1994.
 37. Check JH, Lurie D, Askari HA, Hoover L, Lauer C: The range of subtle rise in serum progesterone levels following controlled ovarian hyperstimulation associated with lower in vitro fertilization pregnancy rates is determined by the source of manufacturer. *Euro J Obstet Gynecol Reprod Biol,* 52:205-209, 1993.
 38. Check JH, O'Shaughnessy A, Vetter B: Use of leuprolide acetate for oocyte release and

advancement of meiosis in gonadotropin stimulated cycles. The Triggering of Ovulation in Stimulated Cycles: hCG or LH? (The International Symposium in Bordeaux, France, 1993) Parthenon Publishing, Part 3, Chapter 31, pgs 269-273, 1994.

39. Shanis BS, Check JH: Efficacy of gonadotropin-releasing hormone agonists to induce ovulation following low-dose human menopausal gonadotropin stimulation. *Recent Progress in Hormone Research* 50:483-486, 1995.
40. Check JH, Dietterich C, Lurie D: The effect of consecutive cycles of clomiphene citrate therapy on endometrial thickness and echo pattern. *Obstet Gynecol* 86:341-345, 1995.
41. Check JH, Dietterich C, Lurie D: Relationship of endometrial thickness and echo patterns on pregnancy rates in patients with luteal phase defects. *Gynecol Obstet Invest* 40:101-107, 1995.
42. Check JH, Nazari A, Dietterich C: Comparison of androgen levels in conception vs. non-conception cycles following controlled ovarian stimulation using the luteal phase gonadotropin-releasing hormone agonist protocol. *Gynecol Endocrinol* 9:209-214, 1995.
43. Check JH, Peymer M, Lurie D, Suryanarayan C: The relationship of early follicular phase serum LH and pregnancy rates in women with regular menses. *Obstet Gynecol* 87:291-296, 1996.
44. Check JH: Letter-to-the-Editor: Progesterone, impedance to blood flow, and luteal inadequacy? *Fertil Steril* 65:454, 1996.
45. Check JH: Low-dose gonadotrophin stimulation for luteal phase defects - does absence of LH help pregnancy rates? *Del Med Jrl* 68:223-226, 1996.
46. Check JH, Lauer C, Ubelacker L, Kuhn R: Comparison of an enzyme-linked immunosorbent assay vs radioimmunoassay for measuring serum progesterone at low levels. *Clin Exp Obst Gyn* 23(2):61-64, 1996.
47. Check JH: Differential age of the endometrium [letter]. *Fertil Steril* 66(1):174-175, 1996.
48. Askari HA, Check JH, Fine W, Lurie D: Midcycle steroidal levels after ultra-low dose pure follicle-stimulating hormone stimulation versus human menopausal gonadotropin stimulation versus human menopausal gonadotropin stimulation in euestrogen women with follicular maturation defects. *Endo Pract* 2(3):173-175, 1996.
49. Check JH, Peymer M: Prospective study of serum androgen levels stratified by increased or normal serum follicle-stimulating hormone in infertile women with regular menses. *Endo Pract*, 2(6)375-378, 1996.
50. Check JH, Fine W: Similar pregnancy rates and spontaneous abortion rates with treatment with low-dose hMG vs pure FSH in women with luteal phase defects. *Clin*

Exper Obstet Gynecol, 24(1)5-7, 1997.

51. Dietterich C, Check JH, Lurie D, Choe JK, Nazari A: A study to determine if certain sonographic uterine parameters are associated with multiple gestation. *Gynecol Obstet Invest* 50:242-246, 2000.
52. Wang W, Check JH, Dietterich C, Lurie D: Effect of fibroids on cumulative probability of pregnancy in women taking follicle maturing drugs without assisted reproductive technology. *Clin Exp Obst Gyn* 28:86-88, 2001.
53. Check JH, Check ML: A case report demonstrating that follicle maturing drugs may create an adverse uterine environment even when not used for controlled ovarian hyperstimulation. *Clin Exp Obst Gyn* 28:217-218, 2001.
54. Check JH: Cryptic infertility and therapeutic options. *Clin Exp Obst Gyn* 28:205-211, 2001.
55. Check JH: Progesterone therapy versus follicle maturing drugs - possible opposite effects on embryo implantation. *Clin Exp Obst Gyn* 2002;29:5-10.
56. Check JH, Nazari P, Check ML, Szekeres-Bartho J, Yuan W: Evidence that the adverse effect of controlled ovarian hyperstimulation on successful pregnancy outcome following embryo transfer may be related to premature trophoblast invasion. *Clin Exp Obst Gyn* 2002;29:83-86.
57. Check JH, Check ML: Evidence that failure to conceive despite apparent correction of ovulatory defects by follicle-maturing drugs may be related to premature trophoblast invasion. *Med Hypoth* 2002 Oct;59(4):385-8.
58. Check JH, Gandica R, Dietterich C, Lurie D: Evaluation of a nonhomogeneous endometrial echo pattern in the midluteal phase as a potential factor associated with unexplained infertility. *Fertil Steril* 2003 Mar;79(3):590-3.
59. Check JH, Liss JR, Shucoski K, Check ML: Effect of short follicular phase with follicular maturity on conception outcome. *Clin Exp Obst Gyn* 2003;30:195-196.
60. Check JH, Dietterich C, Check ML, Katz Y: Successful delivery despite conception with a maximal endometrial thickness of 4mm. *Clin Exp Obst Gyn* 2003;30(2-3):93-4.
61. Check JH: Output and input from the controversy: recombinant FSH versus hMG [letter-to-the-editor]. *Fertil Steril* 2004;81:1428-1429.
62. Check JH: The diagnosis and treatment of infertility. One person's philosophic approach. *Clin Exp Obst Gyn* 2006;33:69-70.
63. Check JH; Ovulation disorders: part I anovulation associated with estrogen deficiency.

- Clin Exp Obstet Gynecol 2007;34(1):5-8.
64. Check JH: Ovulation disorders: Part II. Anovulation associated with normal estrogen. Clin Exp Obstet Gynecol 2007;34:69-72.
 65. Check JH: Ovulation defects despite regular menses: Part III. Clin Exp Obstet Gynecol 2007;34:133-136.
 628. Check JH: The future trends of induction of ovulation. Minerva Endocrinol 2010;35:227-246.
 651. Check JH: Understanding the physiology of folliculogenesis serves as the foundation for perfecting diagnosis and treatment of ovulatory defects. Clin Exp Obstet Gynecol 2012;39:273-279.
 664. DiAntonio A, Check JH, Srivastava M: One step closer to the development of a rapid bioassay to determine if adequate luteal phase progesterone supplementation is provided during in vitro fertilization-embryo transfer cycles. In: International Proceedings of the 16th World Congress on In Vitro Fertilization and 5th World Congress on In Vitro Maturation, Monduzzi Editore, 57-60, 2011.
 685. Check JH, Liss J, Cohen R: A comparison of three types of therapies for three different ovulation disorders in establishing pregnancies and evaluation of laboratory parameters that could influence the outcome. Clin Exp Obst Gyn 2013;40:317-318.
 686. Check JH: Mild increases in serum FSH in late follicular phase increases the risk of the luteinized unruptured follicle: case report. Clin Exp Obst Gyn 2013;40:433-434.
 710. Check JH: Debate: Should progesterone supplements be used? Yes. Ed. Howard J.A. Carp. In: Recurrent Pregnancy Loss - Causes, Controversies, and Treatment, Second Edition, Chapter 14, pgs 123-129., CRC Press 2014.
 718. Check JH: A practical approach to diagnosing and treating infertility by the generalist in obstetrics and gynecology. Clin Exp Obst Gyn 2015;42:405-410.

OVULATION IN MENOPAUSAL WOMEN AND WOMEN WITH DIMINISHED OOCYTE RESERVE (OMW AND OWLER)

OVULATION IN WOMEN WITH LOW EGG RESERVE (OWLER)

66. Check JH, Chase J: Ovulation induction in hypergonadotropic amenorrhea with estrogen and human menopausal gonadotropin therapy. *Fertil Steril* 42: 919-922, 1984.
67. Check JH, Wu CH, Check M: The effect of leuprolide acetate in aiding induction of ovulation in hypergonadotropic hypogonadism: A case report. *Fertil Steril* 49(3):542-543, 1988.
68. Check JH, Chase JS, Spence M: Pregnancy in premature ovarian failure after therapy with oral contraceptives despite resistance to previous human menopausal gonadotropin therapy. *Am J Ob-Gyn* 160(1):114-115, 1989.
69. Check JH, Chase JS, Wu CH, Adelson HG: Case Report: Ovulation induction and pregnancy with an estrogen-gonadotropin stimulation technique in a menopausal woman with marked hypoplastic ovaries. *Am J Ob-Gyn* 160:405-406, 1989.
70. Check JH, Adelson HG: Case report: Opposite responses to the addition of leuprolide acetate to human menopausal gonadotropin therapy in two perimenopausal women. *Int J Fertil* 35:343-346, 1990.
71. Check JH, Wu CH: Ovulation induction in women with ovarian failure with high dose estrogen and gonadotropin therapy. *Life Science Advances - Experimental and Clinical Endocrinology* 7:169-171, 1988.
72. Check JH, Nowroozi K, Nazari A: Viable pregnancy in a woman with premature ovarian failure treated with gonadotropin suppression and human menopausal gonadotropin stimulation: A case report. *J Reprod Med.* 36(3):195-197, 1991.
73. Check JH, Chase JS, Nowroozi K, Nazari A: Ovulation induction and pregnancies in women with ovarian failure (reversing menopause). Parthenon Publishing, Recent Developments in Fertility & Sterility, Proceedings of the XIII World Congress on Fertility & Sterility, Marrakesh, October 1989, Vol 6, pgs 43-47, 1989.
74. Check JH, Nowroozi K, Chase JS, Nazari A, Shapse D, Vaze M: Ovulation induction and pregnancies in 100 consecutive women with hypergonadotropic amenorrhea. *Fertil Steril* 53(5):811-816, 1990.
75. Check JH, Nowroozi K, Nazari A, Baker A, Goldsmith A: In vitro fertilization-embryo transfer in three women with ovarian failure. *J IVF-ET* 7(1):45-46, 1990.
76. Check JH: Response to queries concerning article "Pregnancy in premature ovarian failure after therapy with oral contraceptives despite resistance to previous human

- menopausal gonadotropin therapy." Letter to the Editor, *Am J Ob-Gyn* 162:875, 1990.
77. Check JH: Ovulation and successful pregnancy in a woman with ovarian failure after hypophysectomy and gonadotropin therapy. *Am J Ob-Gyn* 162:775-776, 1990.
 78. Check JH: Letter to the editor Re: Reproductive roulette-prognosis for ovarian failure. *Fertil Steril* 55:447-448, 1991.
 79. Check JH: Multiple follicles in an unstimulated cycle despite elevated gonadotropins in a perimenopausal female. *Gynecol Obstet Invest*, 33:190-192, 1992.
 80. Check JH: Letter to the editor: Ovarian failure and G-proteins - do we really need to know how they work? *Fertil Steril* 58(1); 218-220, 1992.
 81. Shanis BS, Check JH: Spontaneous ovulation and successful pregnancy despite bilateral streaked ovaries. *Infertility* 15:70-77, 1992.
 82. Check JH: Can in vitro fertilization be successful in women with elevated serum follicle stimulating hormone levels. *Ovarian Endocrinopathies (The 8th Reinier de Graff Symposium, Amsterdam, The Netherlands, 1993)* Parthenon Publishing, Section 1, Chapter 6, pgs 57-65, 1994.
 83. Check JH, Chern RA: Protocols and IRB approval for post-menopausal pregnancies. [letter] *Fertil Steril* 68(6):1153-1154, 1997.
 84. Check JH, Peymer M, Lurie D: Effect of age on pregnancy outcome without assisted reproductive technology in women with elevated early follicular phase serum follicle-stimulating hormone levels. *Gynecol Obstet Invest* 45:217-220, 1998.
 85. Check JH: Low and high responders - at what levels of serum estradiol do things start to get fuzzy? *Fertil Steril* 71(3):582-583, 1999.
 86. Check JH: Successful pregnancy despite advanced age and elevated serum follicle stimulating hormone levels - A case report. *Clin Exp Obst Gyn* 27:171-172, 2000.
 87. Check JH, Summers D, Nazari A, Choe J: Successful pregnancy following in vitro fertilization-embryo transfer despite imminent ovarian failure. *Clin Exp Obst Gyn*, 27(2):97-99, 2000.
 88. Check JH, Check ML, Katsoff D: Three pregnancies despite elevated serum FSH and advanced age: Case report. *Hum Reprod* 15(8):1709-1712, 2000.
 89. Check ML, Check JH, Choe JK, Berger GS: Successful pregnancy in a 42-year-old woman with imminent ovarian failure following ovulation induction with ethinyl estradiol without gonadotropins and in vitro fertilization. *Clin Exp Obst Gyn* 2002;29:11-14.

90. Check JH: Oocytes from younger women with increased serum FSH are superior to those from older women with hypergonadotrophism. *Hum Reprod* 2003 Jan;18(1):219-20.
91. Check JH: Does it all come down to postnatal aging of the primary oocyte? *Fertil Steril* 2003 Jun;79(6):1470-1.
92. Check JH: Ovarian reserve - drawing distinctions between the quality and numbers of oocytes [Letter-to-the-Editor]. *Fertil Steril* 2003;80:672.
93. Check ML, Check JH, Wilson C, Choe JK, Krotec J: Outcome of in vitro fertilization-embryo transfer according to age in poor responders with elevated baseline serum follicle stimulation hormone using minimal or no gonadotropin stimulation. *Clin Exp Obstet Gyn* 2004;31:183-184.
94. Check ML, Check JH, Kaplan H: Pregnancy despite imminent ovarian failure and extremely high endogenous gonadotropins and therapeutic strategies: Case report and review. *Clin Exp Obstet Gyn* 2004;31:299-301.
95. Check JH: Live delivery following transfer of a single frozen-thawed embryo derived from a 42-year-old woman with marked decreased oocyte reserve. *Clin Exp Obstet Gynecol* 2005;32:75-77.
96. Katsoff B, Check JH: Monochorionic-diamniotic twins resulting from the transfer of a single embryo in a woman with decreased egg reserve: A case report. *Clin Exp Obstet Gynecol* 2005;32:141-142.
97. Katsoff B, Check MD: Successful pregnancy in a 45-year-old woman with elevated day 3 serum follicle stimulating hormone and a short follicular phase. *Clin Exp Obstet Gynecol* 2005;32:97-98.
98. Check JH: "History" of elevated serum FSH and ovarian response. [letter-to-the-editor]. *Fertil Steril* 2005;84:260.
99. Katsoff B, Check JH: Monochorionic-diamniotic twins resulting from the transfer of a single embryo in a woman with decreased oocyte reserve. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 127-130, 2005.
100. Katsoff B, Kiefer D, Check JH, Choe JK: The effect of advancing age on in vitro fertilization pregnancy and implantation rates in women with decreased oocyte reserve. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 393-396, 2005.
101. Check JH: Modified natural cycle IVF for poor responders. [letter-to-the-editor]. *Hum*

Reprod 2005;20:2661.

102. Check JH, Katsoff B: Three successful pregnancies with in vitro fertilization embryo transfer over an eight year time span despite elevated basal serum follicle stimulating hormone levels – Case report. *Clin Exp Obst Gyn* 2005;32:217-221.
103. Check JH, Katsoff B: Successful pregnancy with spontaneous ovulation in a woman with apparent premature ovarian failure who failed to conceive despite four transfers of embryos derived from donated oocytes. *Clin Exp Obst Gyn* 2006;33:13-15.
104. Check JH: Pharmacological options in resistant ovary syndrome and premature ovarian failure. *Clin Exp Obst Gyn* 2006;33:71-77.
105. Check JH, Summers-Chase D, Yuan W, Horwath D, Wilson C: Effect of embryo quality on pregnancy outcome following single embryo transfer in women with a diminished egg reserve. *Fertil Steril* 2007 Apr;87(4): 749-56.
106. Check JH: Mild ovarian stimulation. *J Assist Reprod Genet* 2007;24:621-627.
107. Check JH, Katsoff B, Brasile D, Choe JK, Amui J: Pregnancy outcome following in vitro fertilization-embryo transfer (IVF-ET) in women of more advanced reproductive age with elevated serum follicle stimulating hormone (FSH) levels. *Clin Exp Obstet Gynecol* 2008;35(1):13-15.
108. Check JH, Pinto J, Liss JR, Choe JK: Improved pregnancy outcome for women with decreased ovarian oocyte reserve and advanced reproductive age by performing in vitro fertilization-embryo transfer. *Clin Exp Obst Gyn* 2008;35(3):167-169.
109. Check JH, Katsoff B: Ovulation induction and pregnancy in a woman with premature menopause following gonadotropin suppression with the gonadotropin releasing hormone antagonist, cetrorelix – a case report. *Clin Exp Obstet Gynecol* 2008;35(1):10-12.
110. Check JH: The concept and treatment methodology for inducing ovulation in women in apparent premature menopause. *Clin Exp Obst Gyn* 2009;36:70-73.
111. Check JH, Srivastava M, Brasile D, Amui J, Choe JK, Dix E: Successful pregnancy with frozen embryo transfer into a gestational carrier from eggs obtained from a woman in premature menopause – case report. *Clin Exp Obst Gyn* 2009(36(3):154-157.
112. Check JH, Giangreco J: Three successful pregnancies following natural conception over an 8 year time span despite serum follicle stimulating hormone level greater than 15 mIU/mL – case report. *Clin Exp Obst Gyn* 2009;36(1):12-14.
113. Check JH, Stegonshek J, Wilson C: No association found between decreased ovarian reserve and low thyroid function. *Clin Exp Obst Gyn* 2009;36:85-86.

114. Check JH, Katsoff B, Brasile D, Wilson C, Choe JK, Amui J: The effect of length of the follicular phase on pregnancy outcome following single embryo transfer (ET) in hypergonadotropic women. *Clin Exp Obst Gyn* 2009;36:76-77.
115. Check JH, Brasile D, Choe JK, Amui J, Wilson C: The effect of cetrorelix vs. ganirelix on pregnancy outcome using minimal gonadotropin stimulation in women with elevated day 3 serum follicle stimulating hormone levels. *Clin Exp Obst Gyn* 2009;(36)3:148-149.
116. Check JH, Cohen R: Evidence that oocyte quality in younger women with diminished oocyte reserve is superior to those of women of advanced reproductive age. *Med Hypotheses* 2010;74:264-267.
117. Check JH, Choe JK, Amui J, Brasile D: Association of the change in serum estradiol (E2) levels from the day of to the day after human chorionic gonadotropin (hCG) injection and pregnancy outcome following in vitro fertilization-embryo transfer (IVF-ET) in less than average responders. *Clin Exp Obst Gyn* 2010;37:110-111.
632. Check JH: The multiple uses of ethinyl estradiol for treating infertility. *Clin Exp Obst Gyn* 2010;37:249-251.
634. Check JH, Chern R, Amui J: Successful pregnancy following in vitro fertilization embryo transfer in a 46-year-old woman with diminished oocyte reserve as evidenced by a high day 3 serum estradiol. *Clin Exp Obst Gyn* 2011;38:209-210.
640. Check JH, Choe JK, Cohen R: Successful pregnancy following a single fresh embryo transfer in a 45-year-old woman whose early follicular phase serum follicle stimulating hormone was 29 mIU/mL. *Clin Exp Obst Gyn* 2011;38:335-337.
642. Check JH, Cohen R: Live fetus following embryo transfer in a woman with diminished egg reserve whose maximal endometrial thickness was less than 4mm. *Clin Exp Obst Gyn* 2011;38:330-332.
658. Check JH, Chase DS, Horwath D, Yuan W, Garberi-Levito MC, Press M: Oocytes from women of advanced reproductive age do not appear to have an increased risk of zona pellucida hardening. *Clin Exp Obst Gyn* 2012;39:440-441.
661. Borman E, Check JH, Mitchell-Williams J, Cohen R: No evidence to support the concept that low serum dehydroepiandrosterone (DHEA) sulfate (s) levels are associated with less oocyte production or lower pregnancy rates. *Clin Exp Obst Gyn* 2012;39:429-431.
673. Check JH, Burgos S, Slovis B, Wilson C: Embryo apoptosis may be a significant contributing factor in addition to aneuploidy inhibiting live deliveries once a woman reaches age 45. *Clin Exp Obst Gyn* 2013;40:22-23.
675. Check JH, Liss J: The effect of diminished oocyte reserve in younger women (age ≤ 37)

- on pregnancy rates in natural cycles. Clin Exp Obst Gyn 2013;40:27-28.
678. Check JH, Choe JK, Cohen R, Wilson C: A study to determine the efficacy of controlled ovarian hyperstimulation regimen using a gonadotropin releasing hormone agonist versus antagonist in women of advanced reproductive age with varying degrees of oocyte reserve on outcome following in vitro fertilization-embryo transfer. Clin Exp Obst Gyn 2013;40:191-192.
679. Check JH: Gonadotropinoma presenting as a case of pseudo-ovarian failure changing to macroprolactinoma. Clin Exp Obst Gyn 2013;40:295-296.
690. Check JH: Optimizing IVF outcomes for women with diminished oocyte reserve. Expert Rev Obstet Gynecol 2013;8:401-415.
668. Check JH: Physicians should be more open-minded about performing in vitro fertilization-embryo transfer in women with diminished oocyte reserve and consider the couple's wishes and desires. Clin Exp Obst Gyn 2012 ;39:5-10.
702. Check JH, Wilson C: The younger the patients the less adverse effect of diminished oocyte reserve on outcome following in vitro fertilization-embryo transfer as long as the proper ovarian stimulation protocol is used. J Reprod Contracep 2013;24:221-227.
706. Check JH: Premature ovarian insufficiency – fertility challenge. Minerva Ginecol 2014;66:133-153.
715. Check JH, Amui J, Choe JK, Cohen R: The effect of a rise or fall of serum estradiol the day before oocyte retrieval in women aged 40-42 with diminished egg reserve. Clin Exp Obst Gyn 2015;42:282-284.
721. Caruso M, Check JH: Absence of blood type A or AB may be associated with diminished oocyte reserve. Clin Exp Obst Gyn 2015;42:

MALE FACTOR – DIAGNOSIS (MFD)

118. Check JH, Wu CH, Adelson HG, Liss J: The clinical usefulness of the hamster ova penetration test in unexplained infertility. 12th World Congress On Fertility And Sterility, Singapore, October, 1986, Volume 4:199-205.
119. Check JH, Shanis B, Wu CH, Bollendorf A: Evaluating glass, polystyrene and polypropylene containers for semen collection and sperm washing. Archives of Andrology 20(3):251-255, 1988.
120. Check JH, Nowroozi K, Wu CH, Bollendorf A: Correlation of the semen analysis and hypo-osmotic swelling with subsequent pregnancies: A preliminary report. Archives of Andrology 20(3):257-260, 1988.
121. Check JH, Epstein R, Nowroozi K, Shanis BS, Wu CH, Bollendorf A: The hypo-osmotic swelling test as a useful adjunct to the semen analysis to predict fertility potential. Fertil Steril 52(1):159-161, 1989.
122. Check JH, Shanis BS, Bollendorf A, Adelson HG, Breen E: Semen characteristics and infertility in aging. Archives of Andrology 23:275-277, 1989.
123. Shanis BS, Check JH, Bollendorf A, Lee M, Press M, Katsoff D: Basic and assisted computer semen analysis, methods and pitfalls. Assisted Human Reproduction Technology (Reproductive Health Technology) Volume I Edited by E.S.E. Hafez, Hemisphere Publishing Corporation. Part 5: Clinical Andrology Chapter 17 pages 173-188, 1991.
124. Shanis BS, Check JH, Bollendorf A: Interpretation and misinterpretation of semen parameters. Archives of Andrology 23:213-227, 1989.
125. Check JH, Bollendorf A, Lee MA, Nazari A, Nowroozi K: Correlation of computerized semen analysis with successful fertilization of oocytes in an in vitro fertilization program. Archives of Andrology 24:229-234, 1989.
126. Check JH, Chase JS, Winkel CA, Shanis B, Bollendorf A, Press M: The hypo-osmotic swelling test versus routine semen analysis in evaluating the fertility potential of human spermatozoa. IVth International Congress of Andrology, Florence, Italy, May 14-18, 1989.
127. Check JH, Shanis B, Winkel CA, Bollendorf A: Comparison of computer assisted semen analysis versus conventional semen analysis in predicting male fertility potential. IVth International Congress of Andrology, Florence, Italy, May 14-18, 1989.
128. Check JH, Shanis B, Bollendorf A: Computer assisted semen analysis not superior to routine analysis in distinguishing fertile from subfertile men. Archives of Andrology

- 25:13-16, 1990.
129. Check ML, Check JH: Poor hypo-osmotic swelling test results from cryopreserved sperm despite preservation of sperm motility. *Archives of Andrology*. 26(1):37-41, 1991.
 130. Check JH, Bollendorf A, Press M, Blue T: Standard sperm morphology as a predictor of male fertility potential. *Archives of Andrology*. 28:39-41, 1992.
 131. Check JH: The importance of semen parameters and the use of IVF-ET to identify male factor. *ARTA II*:365-375, 1991.
 132. Check JH, Nowroozi K, Bollendorf A: Correlation of motile sperm density and subsequent pregnancy rates in infertile couples. *Archives of Andrology*. 27:113-115, 1991.
 133. Check JH, Epstein R, Long R: Effect of time interval between ejaculations on semen parameters. *Archives of Andrology*. 27:93-95, 1991.
 134. Check JH, Adelson HG, Bollendorf A: Effect of antisperm antibodies on the computerized semen analysis. *Archives of Andrology* 27:61-63, 1991.
 135. Check JH, Adelson HG, Schubert B, Bollendorf A: The evaluation of sperm morphology using Kruger's strict criteria. *Archives of Andrology*. 28:15-17, 1992.
 136. Check JH, Katsoff D, Kozak J, Lurie D: Effect of swim-up, Percoll and Sephadex sperm separation methods on the hypo-osmotic swelling test. *Hum Reprod* 7:109-111, 1992.
 137. Lee M, Check JH, Kopf GS: A guanine nucleotide-binding regulatory protein in human sperm mediates acrosomal exocytosis induced by the human zona pellucida. *Molecular Reproduction and Development* 31:78-86, 1992.
 138. Check JH, Bollendorf A, Lee M, Vetter B, Syrkin M, Chase JS: Comparison of low hypo-osmotic swelling results to fertilization rates in an IVF-ET program. *Progress in Reproductive Biology and Medicine: Diagnosing Male Infertility New Possibilities and Limits*. Vol 15, pgs 66-70, 1992.
 139. Check JH, Press M, Bollendorf A, Blue T: Evaluation of the Kruger strict method for sperm morphology in predicting infertile males. *Progress in Reproductive Biology and Medicine: Diagnosing Male Infertility New Possibilities and Limits*. Vol 15, pgs 71-74, 1992.
 140. Lee M, Storey BT, Check JH: Endpoint of first stage of zona pellucida-induced acrosome reaction in mouse spermatozoa characterized by acrosomal H⁺ and Ca²⁺ permeability: A possible model for the human system. *Progress in Reproductive Biology and Medicine: Diagnosing Male Infertility New Possibilities and Limits*. Vol 15, pgs 75-85, 1992.

141. Chase J, Check JH, Syrkin M, Lee M, Kozak J: Subtle motility abnormalities diagnosed by computer-associated semen analysis not found to correlate with infertile males better than conventional analysis. *Progress in Reproductive Biology and Medicine: Diagnosing Male Infertility New Possibilities and Limits*. Vol 15, pgs 109-113, 1992.
142. Check JH, Liss JR: The use of therapeutic donor insemination to demonstrate the adequacy of present WHO standards for normal motile-density in distinguishing fertile from nonfertile males. *Progress in Reproductive Biology and Medicine: Diagnosing Male Infertility New Possibilities and Limits*. Vol 15, pgs 232-236, 1992.
143. Shanis BS, Check JH, Bollendorf A, Lurie D: Stability of the hypo-osmotic swelling test over time. *Archives of Andrology* 29:263-266, 1992.
144. Check ML, Check JH, Check DJ, Press M, Long R: Rapid cryopreservation technique using test-yolk buffer to the standard procedure/semen parameters. *ARTA* 3:105-109, 1992.
145. Check JH, Choe J, Nowroozi K, Long R, Baker A: Role of semen parameters in predicting fertilization/pregnancy outcome in IVF. *ARTA* 3:295-303, 1992.
146. Check JH, Zavos PM, Katsoff D, Kiefer D: Effects of Percoll discontinuous density gradients vs spermprep II vs sephadex G-50 gel infiltration on semen parameters. *Arch Androl*, 31:69-73, 1993.
147. Check JH, Kozak J, Katsoff D: Hypoosmotic swelling: evaluation of sperm tails using strict criteria in cases of globozoospermia. *Arch Androl* 30:125-128, 1993.
148. Katsoff D, Adelson HG, Bollendorf A, Check JH: Can abnormal semen parameters truly identify the subfertile male? *Fertility and Sterility Progress in Research and Practice, Proceedings of the XIV World Congress on Fertility and Sterility, Caracas, November, 1992, Parthenon Publishing, Section 1, Chapter 5, pgs 43-49, 1994.*
149. Check JH: Value of sperm morphology. Letter-to-the-editor, *Fertil Steril* 63:938-939, 1995.
150. Check JH, Lurie D, Vetter BH: Sera gonadotropins, testosterone, and prolactin levels in men with oligozoospermia or asthenozoospermia. *Arch Androl* 35:57-61, 1995.
151. Shanis B, Check JH, Bollendorf A, Nazari A: Computer assisted semen analysis better defines male factor in an IVF program than either motile density or strict morphology. In: *IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division*. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 587-589, 1995.
152. Shanis BS, Katsoff D, Check JH, Hoover L: Sperm morphology using strict criteria not useful in predicting poor pregnancy rates (PRs) despite adequate fertilization. In: *IX*

World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 591-594, 1995.

153. Bollendorf A, Check JH, Lurie D: Evaluation of the effect of the absence of sperm with rapid and linear progressive motility on subsequent pregnancy rates following intrauterine insemination or in vitro fertilization. *J Androl*, 17(5):550-557, 1996.
154. Kiefer D, Check JH, Katsoff D: The value of motile density, strict morphology, and the hypoosmotic swelling test in in vitro fertilization-embryo transfer. *Arch Androl* 37:57-60, 1996.
155. Katsoff D, Check JH: (Letter-to-the-editor) TEST yolk buffer and antisperm antibodies - interaction? *Fertil Steril* 67(3):590-591, 1997.
156. Check JH, Lurie D, Locuniak J, Bollendorf A, Summers-Chase D: Relationship of subnormal semen parameters and subsequent zona pellucida thinning following in vitro fertilization. *Arch Androl* 41(3):145-50, 1998.
157. Katsoff D, Check ML, Check JH: Evidence that sperm with low hypoosmotic swelling scores cause embryo implantation defects. *Arch Androl* 44:227-230, 2000.
158. Check ML, Brown T, Check JH: Recovery of spermatogenesis and successful conception after bone marrow transplant for acute leukaemia. *Hum Reprod* 15:83-85, 2000.
159. Check JH, Katsoff D, Check ML: Some semen abnormalities may cause infertility by impairing implantation rather than fertilization. *Med Hypoth* 56:653-657, 2001.
160. Check JH, Kiefer D, Check ML, Wilson C, Choe JK: The relative discrepancy between viability and hypo-osmotic swelling test (HOST) is not related to in vitro fertilization (IVF) outcome. In: *Andrology in the 21st Century, Proceedings of the VII International Congress of Andrology*. Medimond Medical Publications. Pgs. 467-470, 2001.
161. Bollendorf A, Check JH, Katsoff D: Lower percentage of sperm with normal morphology (NM) using strict criteria is not associated with lower pregnancy rates (PRs) following intrauterine insemination (IUI). In: *Andrology in the 21st Century, Proceedings of the VII International Congress of Andrology*. Medimond Medical Publications. Pgs. 459-462, 2001.
162. Check ML, Bollendorf A, Check JH, Katsoff D: Reevaluation of the clinical importance of evaluating sperm morphology using strict criteria. *Arch Androl* 48:1-3, 2002.
163. Check JH, Check ML, Katsoff D: Prognosis for sperm fertilizability: Analysis of different variables in men. *Arch Androl* 48:78-83, 2002.
164. Check ML, Kiefer D, Check JH, Hourani W, Long R: Treatment of sperm with

- subnormal HOST scores with chymotrypsin/viable pregnancy after IUI. *Arch Androl* 48:155-158, 2002.
165. Swenson K, Check JH, Summers-Chase D, Check ML, Kiefer D, Choe JK: Overnight sperm survival test does not correlated with embryo implantation failure. Reprinted from: 12th World Congress on In Vitro Fertilization and Molecular Reproduction, Ed. Anibal A. Acosta, Monduzzi Editore, International Proceedings Division. Pgs. 179-183, 2002.
 166. Check ML, Kiefer D, Check JH, Wilson C, Katsoff D: Grey zone score for hypo-osmotic swelling test (HOST) is not associated with embryo implantation. *Clin Exp Obst Gyn* 2002;29:25-26.
 167. Check JH: Editorial commentary on Tartagni, et al. Subnormal hypo-osmotic swelling test scores as an important cause of cryptic infertility. *J Androl* 2002 Jul-Aug;23(4):477-8.
 168. Check ML, Check JH: Ectopic pregnancy without therapy despite previous failure with in vitro fertilization and a male partner with an extremely low hypoosmotic swelling test score: Case report. *Clin Exp Obst Gyn* 29:189-190, 2002.
 169. Check ML, Swenson K, Check JH, Kiefer D, Summers-Chase D: Sperm toxicity evaluated by the overnight sperm survival test. *Arch Androl* 2003 Mar-Apr;49(2):161-4.
 170. Check JH, Cochrane H, Yuan W, Wilson C: Evidence using a shared oocyte pool that the sperm rather than the oocyte in some cases may be responsible for the production of embryos with a high percentage of fragmented blastomeres - Case report. *Clin Exp Obst Gyn* 2004;31:139-140.
 171. Check JH, Graziano V, Cohen R, Krotec J, Check JH: Effect of an abnormal sperm chromatin structural assay (SCSA) on pregnancy outcome following (IVF) with ICSI in previous IVF failures. *Arch Androl* 2005;51:121-124.
 172. Check JH: Sperm may be associated with subfertility independent of oocyte fertilization. *Clin Exp Obstet Gynecol* 2005;32:5-8.
 173. Check JH, Johnson RW: Support for the contention that sperm with abnormal sperm chromatin structure assays are associated with reduced embryo implantation potential. *Hum Reprod* 2005;20:840-3.
 174. Katsoff B, Check ML, Summers-Chase D, Check JH: Absence of sperm with rapid motility is not detrimental to IVF outcome measures when ICSI is used. *Arch Androl* 2005;51:413-417.
 175. Choe JK, Check JH, Krotec JW, Summers-Chase D, Horwath D: High DNA fragmentation indices on the sperm chromatin structure assay correlate more with

- increased risk of miscarriage rather than conception failure in women who were refractory to achieving successful pregnancy following in vitro fertilization-embryo transfer. In: International Proceedings of the 8th International Congress of Andrology, Medimond Editore, Pgs. 87-90, 2005.
176. Choe JK, Check JH, Krotec JW, Sansoucie L: High DNA fragmentation indices when performing the sperm chromatin structure assay do not correlate with abnormal nuclear sperm morphology. In: International Proceedings of the 8th International Congress of Andrology, Medimond Editore, Pgs. 67-70, 2005.
 177. Choe JK, Check JH, Yuan W, Horwath D, Summers-Chase D: Isolating normal sperm by nuclear characteristics with subsequent intracytoplasmic sperm injection does not seem to improve lowered fecundity found with sperm with high DNA fragmentation indices. In: International Proceedings of the 8th International Congress of Andrology, Medimond Editore, Pgs. 9-12, 2005.
 178. Bollendorf A, Check JH, Duroseau M, Mcmonagle K, Hourani W: Sperm with high DNA fragmentation indices are more likely than sperm with normal indices to have a defect in the hypo-osmotic swelling test. In: International Proceedings of the 8th International Congress of Andrology, Medimond Editore, Pgs. 83-86, 2005.
 179. Bollendorf A, Choe JK, Check JH, Bonnes E, Mcmonagle K: Subfertility in older males not detected by standard semen parameters. In: International Proceedings of the 8th International Congress of Andrology, Medimond Editore, Pgs. 75-78, 2005.
 180. Check JH, Choe JK: Predictive value of the sperm chromatin assay in different populations. *Fertil Steril* 2006;85:809.
 181. Check JH, Summers-Chase D, Swenson K, Check ML, Amadi C: Evaluation of sperm nuclear morphology in specimens with abnormal sperm chromatin structural assays. *Arch Androl* 2006;52:403-406.
 182. Check JH: The infertile male – Diagnosis. *Clin Exp Obst Gyn* 2006;33:133-139.
 183. Check JH, Katosff B, Wilson C, Bollendorf A: A case whose outcome is consistent with the possibility that if slow embryo cleavage is related to a male factor the prognosis is far greater than if it was related to an egg factor. *Clin Exp Obst Gyn* 2011;38:201-202.
 644. Bollendorf A, Check JH, Kramer D: The majority of males with subnormal hypoosmotic test scores have normal vitality. *Clin Exp Obst Gyn* 2012;39:25-26.
 647. Check JH, Kramer D, Bollendorf A, Wilson C: Frequency of subnormal hypoosmotic swelling tests increase with advancing age of the male. *Clin Exp Obst Gyn* 2012;39:19-20.
 656. Check JH, Kramer D, Hourani W, Bollendorf A: Low hypoosmotic swelling test scores

correlate better with low percent motility than any other abnormal semen parameters.
Clin Exp Obst Gyn 2012;39:137-138.

663. Citrino G, Check JH, Choe JK, DiAntonio A: The frequency of males with sperm with low hypoosmotic swelling test scores (which prevents morphologically normal embryos from implanting) in couples having in vitro fertilization-embryo transfer. In: International Proceedings of the 16th World Congress on In Vitro Fertilization and 5th World Congress on In Vitro Maturation, Monduzzi Editore, 53-56, 2011.

MALE FACTOR TREATMENT (MFT)

184. Check JH, Rakoff AE: Improved fertility in oligospermic males treated with clomiphene citrate. *Fertil Steril* 28:746-748, 1977.
185. Check JH, Rakoff AE: Androgen therapy of a varicocele. *J Urol*: 118:494, 1977.
186. Check JH, Murdock MG, Caro JF: Case report: Cystic gynecomastia in a male treated with clomiphene citrate. *Fertil Steril* 30:713-715, 1978.
187. Check JH, Caro JF, Criden L, Meltz R, Brownstein K: Leydig cell responsiveness with germinal cell resistance to gonadotropin therapy in Kallman's syndrome. *Am J Med* 67:495-497, 1979.
188. Medical World News. A Fertile Debate: clomiphene vs varicocelectomy, April 2, 1979.
189. Medical World News. Infertility: proof drug works for men, May 1, 1978.
190. Check JH: Improved semen quality in subfertile males with varicocele-associated oligospermia following treatment with clomiphene citrate. *Fertil Steril* 33:423-426, 1980.
191. Check JH: Improved spermatogenesis following treatment with bromocriptine in men with low normal serum prolactins. *Infertility* 3:91-96, 1980.
192. Check JH: Improved fertility results with split ejaculate insemination and improved cervical mucus. Edited by ESE Hafez, K Semm, *Instrumental Insemination*, Martinus Nijhoff Publishers, Chapter 22, pages 157-162, 1982.
193. Check JH, Chase JS: Improved semen quality after a short interval second ejaculation. *Fertil Steril* 44:416-418, 1985.
194. Check JH, Chase JS, Nowroozi K, Wu CH, Adelson HG: Empirical therapy of the male with clomiphene in couples with unexplained infertility. *Int J Fertil* 34(2):120-122, 1989.
195. Check JH, Winkel CA, Bollendorf A: Improved motility and subsequent pregnancies following intracervical insemination of sperm suspended in donor seminal plasma. IVth International Congress of Andrology, Florence, Italy, May 14-18, 1989.
196. Check JH, Bollendorf A: Improved motility of retrograde ejaculates by adding donor seminal plasma. *Archives of Andrology* 25:41-43, 1990.
197. Check JH, Framroze A, Liss JR, Bollendorf A: Therapeutic insemination by donor achieves high pregnancy rates in infertile couples regardless of the males motile sperm density. *Archives of Andrology*. 25:169-171, 1990.
198. Check DJ, Check JH, Bollendorf A: Fresh versus frozen seminal plasma for enhancing

- motility in asthenospermic samples. *Archives of Andrology*. 26(2):79-81, 1991.
199. Check JH, Nowroozi K, Lee M, Adelson H, Katsoff D: Evaluation and treatment of a male factor component to unexplained infertility. *Archives of Andrology* 25:199-211, 1990.
 200. Check JH, Bollendorf AM, Press MA, Breen EM: Noninvasive techniques for improving fertility potential of retrograde ejaculates. *Archives of Andrology* 25:271-276, 1990.
 201. Shanis B, Check JH, Bollendorf A: Adverse effect of clomiphene citrate on sperm morphology. *Archives of Andrology*. 27:109-111, 1991.
 202. Check ML, Check JH, Long R: Detrimental effects of cryopreservation on the structural and functional integrity of the sperm membrane. *Archives of Andrology* 27:155-160, 1991.
 203. Check JH: Benefits of intrauterine insemination. *Fertil Steril* 55(3):651-652, 1991.
 204. Check DJ, Check ML, Check JH, Breen E, McMonagle K: Effect of fresh seminal plasma on cryopreserved thawed sperm on motility/HOST. *ARTA* 3:87-92, 1992.
 205. Check DJ, Check ML, Bollendorf A, Check JH: Failure of the addition of fresh seminal plasma to cryopreserved-thawed sperm to improve semen parameters. *Arch Androl* 31:121-125, 1993.
 206. Check JH, Zavos PM, Katsoff D, Kiefer D: Effect of Percoll discontinuous density gradients vs SpermPrep II vs Sephadex G-50 gel filtration on semen parameters. *Tohoku Journal of Experimental Medicine* 169(3):225-231, 1993.
 207. Bollendorf A, Check JH, Katsoff D, Fedele A: The use of chymotrypsin-galactose to treat spermatozoa bound with antisperm antibodies prior to intrauterine insemination. *Hum Reprod* 9:484-488, 1994.
 208. Bollendorf A, Check JH, Katsoff D, Lurie D: Comparison of direct swim-up, mini Percoll and sephadex G-10 sperm separation procedures. *Arch Androl*, 32:157-162, 1994.
 209. Askari HA, Check JH, Peymer N, Bollendorf A: Effect of natural antioxidants tocopherol and ascorbic acids in maintenance of sperm activity during freeze-thaw process. *Arch Androl* 33:11-15, 1994.
 210. Check ML, Check DJ, Check JH, Long R, Press M: Effect of shortened exposure time to the critical period for ice crystal formation on subsequent post-thaw semen parameters from cryopreserved sperm. *Arch Androl*, 32:63-67, 1994.
 211. Check JH, Peymer M, Jairaj P: Single daily monitoring of periovulatory estradiol, progesterone and luteinizing sera hormone levels in natural cycles useful for timing

- intrauterine insemination. *Arch Androl* 32:151-156, 1994.
212. Check JH, Hourani C, Goldsmith G: The use of non-micromanipulation techniques for male factor and in vitro fertilization outcome. In Tesarik J (ed) *Male Factor In Human Infertility*. Ares-Serono Symposia Publications, Rome, Italy, pgs 271-286, 1994.
 213. Katsoff D, Check JH, Kozak J: Failure of test yolk buffer to decrease antisperm antibodies on sperm. *Arch Androl* 33:137-139, 1994.
 214. Hourani CL, Check JH, Baker AF, Hoover LM, Summers DC, Benfer KM: Cumulus removal and addition of follicular fluid possibly improves pregnancy rates with in vitro fertilization for male factor. *Arch Androl* 34:47-52, 1995.
 215. Check JH, Long R, Allen J, Hoover L: Poor fertilization may be related to oocyte or zona pellucida recognition defects specific to certain hyperstimulation regimens and limited to some males but not others: a case report. *Fertil Steril* 63:1341-1343, 1995.
 216. Check JH, Stumpo L, Lurie D, Benfer K, Callan C: A comparative prospective study using matched samples to determine the influence of subnormal hypo-osmotic test scores of spermatozoa on subsequent fertilization and pregnancy rates following in vitro fertilization. *Hum Reprod* 10:1197-1200, 1995.
 217. Check DJ, Katsoff D, Check JH: Effect of an intermediate hold with vapor freezing on subsequent hypoosmotic swelling in thawed sperm. *Arch Androl* 35:79-81, 1995.
 218. Check DJ, Kiefer D, Katsoff D, Check JH: Effect of pentoxifylline added to freezing media on subsequent post-thaw hypo-osmotic swelling test and other semen parameters. *Arch Androl* 35:161-163, 1995.
 219. Summers D, Hoover L, Check JH, Shanis BS: Cumulus removal (CR), oocyte concentration, and use of follicular fluid (FF) improve pregnancy rate (PRs) following IVF for severe male factor. In: *IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division*. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 611-615, 1995.
 220. Check ML, Check DJ, Katsoff D, Check JH: Improved results of thawed sperm cryopreserved with slow stage cooling with a cellevator. *Arch Androl* 37:61-64, 1996.
 221. Katsoff D, Check JH: A challenge to the concept that the use of calcium channel blockers cause reversible male infertility. *Hum Reprod* 12(7):1480-1482, 1997.
 222. Katsoff D, Check JH: Two methods of achieving pregnancies despite subnormal hypo-osmotic swelling test scores. *Fertil Steril* 68(3):549-551, 1997.
 223. Check JH: Clomid in Unexplained Infertility. [letter] *Fertil Steril* 69(6):1156-1157, 1998.

224. Check M, Summers-Chase D, Check JH, Choe JK, Nazari A: Sperm extracted and cryopreserved from testes several hours after death results in pregnancy following frozen embryo transfer - Case report. *Arch Androl* 43:235-237, 1999.
225. Check ML, Check JH, Lee G, Summers-Chase D, Choe JK: Increasing sperm concentration to adjust for subnormal sperm morphology did not adversely affect implantation after embryo transfer. *Arch Androl* 46:177-182, 2001.
226. Check JH, Katsoff D, Check ML, Choe JK, Swenson K: In vitro fertilization with intracytoplasmic sperm injection is an effective therapy for male factor related to subnormal hypo-osmotic swelling test scores. *J Androl* 22:261-265, 2001.
227. Kiefer D, Check JH, Wilson C, Check ML, Locuniak J: The effect of sperm with hypo-osmotic swelling test (HOST) scores in the grey zone and subsequent treatment with chymotrypsin on in vitro fertilization (IVF) outcome. In: *Andrology in the 21st Century, Proceedings of the VII International Congress of Andrology*. Medimond Medical Publications. Pgs. 463-466, 2001.
228. Check ML, Yuan W, Check JH, Swenson K, Lee G, Choe JK: Cumulative probability of pregnancy following IVF with ICSI and fresh or frozen embryo transfer. *Arch Androl* 48:5-7, 2002.
229. Check ML, Check JH, Summers-Chase D, Choe JK, Check DJ, Nazari A: Live birth after posthumous testicular sperm aspiration and intracytoplasmic sperm injection with cryopreserved sperm: Case report. *Clin Exp Obst Gyn* 2002;29:95-96.
230. Check ML, Check JH, Summers-Chase D, Swenson K, Yuan W: An evaluation of the efficacy of in vitro fertilization with intracytoplasmic sperm injection for sperm with low hypoosmotic swelling test scores and poor morphology. *J Assist Reprod Genet* 2003 May;29(5):182-5.
231. Check ML, Katsoff D, Check JH, Summers-Chase D: Effect of treating sperm with low hypo-osmotic swelling test scores with chymotrypsin on pregnancy rates after conventional in vitro fertilization-embryo transfer. *Fertil Steril* 2004;82:741-742.
232. Katsoff D, Check JH, Wilson C, Kiefer D, Choe JK: The effect of intracytoplasmic sperm injection on pregnancy outcome in women whose male partners have low hypoosmotic swelling test scores. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 365-368, 2005.
233. Choe JK, Check JH, Katsoff D, Krotec JW, Amui J: In vitro fertilization with intracytoplasmic sperm injection is an effective method to overcome the embryo implantation abnormalities associated with sperm with subnormal hypo-osmotic swelling test scores. In: *International Proceedings of the 8th International Congress of Andrology*,

Medimond Editore, Pgs. 13-16, 2005.

234. Duroseau M, Bollendorf A, Check JH, Hourani W, Choe JK: Pretreating sperm associated with antisperm antibodies with the protein digestive enzyme chymotrypsin prior to intrauterine insemination improves pregnancy rates. In: International Proceedings of the 8th International Congress of Andrology, Medimond Editore, Pgs. 79-82, 2005.
235. Check JH, Bollendorf A, Wilson C, Summers-Chase D, Horwath D, Yuan W: A retrospective comparison of pregnancy outcome following conventional oocyte insemination vs. intracytoplasmic sperm injection for isolated abnormalities in sperm morphology using strict criteria. *J Androl* 2007;28:607-612.
236. Check JH, Levito MC, Summers-Chase D, Marmar J, Barci H: A comparison of the efficacy of intracytoplasmic sperm injection (ICSI) using ejaculated sperm selected by high magnification versus ICSI with testicular sperm both followed by oocyte activation with calcium ionophore. *Clin Exp Obstet Gynecol* 2007;34:111-112.
237. Check JH: Treatment of male infertility. *Clin Exp Obst Gynecol* 2007;34:201-206.
238. Check JH: Intracytoplasmic sperm injection may have disadvantages. *Fertil Steril* 2008 June;89(6):1844-1845.
239. Pinto J, Check JH: Correction of failed fertilization despite intracytoplasmic sperm injection with oligoastheno-terato-zoospermia but with acrosomes present by oocyte activation with calcium ionophore – case report. *Clin Exp Obst Gyn* 2008;35:252-254.
240. Check JH, Horwath D, Sansoucie L, Summers-Chase D, Yuan W: A comparison of the efficacy of selecting sperm with normal nuclei by high magnification for intracytoplasmic sperm injection (ICSI) according to age in refractory in vitro fertilization (IVF) cases. *Clin Exp Obst Gyn* 2009;36(3):152-153.
241. Check JH, Katsoff B, Summers-Chase D, Yuan W, Horwath D, Choe JK: Pregnancy rates per embryo transfer (ET) may be improved by conventional oocyte insemination for male factor rather than intracytoplasmic sperm injection (ICSI). *Clin Exp Obst Gyn* 2009;36:212-213.
242. Bollendorf A, Check JH, Wilson C, Citrone G: A Comparison of Pregnancy Rates in Female Partners of Males with Subnormal Hypoosmotic Swelling Tests Following Intrauterine Insemination (IUI) with Chymotrypsin Galactose Treated Sperm Versus in Vitro Fertilization (IVF) with Intracytoplasmic Sperm Injection (ICSI). In: International Proceedings of the 9th International Congress of Andrology, Medimond Editore, Pgs. 81-84, 2009.
243. Check JH, Dix E, Bollendorf A, Check D: Fertilization by intracytoplasmic sperm injection using sperm with subnormal morphology using strict criteria results in lower

- live delivered pregnancy rates following frozen embryo transfer than eggs fertilized conventionally. *Clin Exp Obst Gyn* 2010;37:17-18.
244. Citrino G, Check JH, Diantonio A, Bollendorf A, Katsoff D: Pretreatment of sperm with low hypo-osmotic swelling tests with chymotrypsin prior to intrauterine insemination (IUI) and avoidance of unprotected intercourse results in pregnancy rates comparable to IUI for other male factor problems. *Clin Exp Obst Gyn* 2010;37:187-189.
245. Bollendorf A, Check D, Check JH, Hourani W, McMonagle K: A comparison of the efficacy of treating sperm with low hypo-osmotic swelling test scores with chymotrypsin followed by intrauterine insemination vs. in vitro fertilization with intracytoplasmic sperm injection. *Clin Exp Obst Gyn* 2011;38:24-25.
246. Citrino G, Check JH, Bollendorf A, Hourani W, DiAntonio A: About 13% of women may have the wrong method of oocyte insemination when undergoing in vitro fertilization by failure to evaluate the abnormal hypo-osmotic swelling test score. *Clin Exp Obst Gyn* 2011;38:21-23.
247. Check JH, Summers-Chase D, Cohen R, Brasile D: Artificial oocyte activation with calcium ionophore allowed fertilization and pregnancy in a couple with long term unexplained infertility where the female partner had diminished egg reserve and failure to fertilize oocytes despite intracytoplasmic sperm injection. *Clin Exp Obst Gyn* 2010;37:263-265.
648. Check JH, Katsoff B, Yuan W, Summers-Chase D, Hourani W, Horwath D: Intracytoplasmic sperm injection completely negates the implantation problem associated with conventional fertilization with sperm with low hypo-osmotic swelling test scores as evidenced by evaluating donor-recipient pairs. *Clin Exp Obst Gyn* 2012;39:21-22.
670. Check JH, Liss J, Bollendorf A: Intrauterine insemination (IUI) does not improve pregnancy rates in infertile couples where semen parameters are normal and postcoital tests are adequate. *Clin Exp Obst Gyn* 2013;40:33-34.
671. Check JH, Bollendorf A, Summers-Chase D, Yuan W, Horwath D: Isolating sperm by selecting those with normal nuclear morphology prior to intracytoplasmic sperm injection (ICSI) does not provide better pregnancy rates compared to conventional ICSI in women with repeated conception failure with in vitro fertilization. *Clin Exp Obst Gyn* 2013;40:15-17.
687. Tubman A, Check JH, Bollendorf A, Wilson C: Effect of poor motility on pregnancy outcome following intracytoplasmic sperm injection in couples whose male partners have subnormal hypo-osmotic swelling test scores. *Clin Exp Obstet Gynecol* 2013;40:315-316.
691. Check JH: Efficacy of unstimulated intrauterine insemination in advanced-aged women. *In: Intrauterine Insemination*. Ed. Allahbadia GN. Jaypee Brothers Medical Publishers,

New Delhi, India. Chapter 15, pgs. 134-142.

692. Check JH: Leveling the playing field for grandfather's sperm. *Fertil Steril* 2009;92:e29.

CERVICAL MUCUS PROBLEM (CMP)

248. Check JH, Rakoff AE: Treatment of cervical factor by donor mucus insemination. *Fertil Steril* 28:113-114, 1977.
249. Check JH: Treatment of cervical factor with combined high dose estrogen and human menopausal gonadotropin. *Fertil Steril* 33:562-563, 1980.
250. Check JH, Adelson HG, Wu CH: Improvement of cervical factor with guaifenesin. *Fertil Steril* 37:707-708, 1982.
251. Check JH, Wu CH, Kurtz A, Adelson HG: Combined high dose estrogen and human menopausal gonadotropins for cervical factor: Improvement with pelvic ultrasound. *Infertility* 5:117-124, 1982.
252. Check JH, Adelson HG: Improvement of cervical factor by high dose estrogen and hMG therapy with ultrasound monitoring. *Obstet Gynecol* 63:179-181, 1984.
253. Check JH, Chase JS, Wu CH, Goldberg BB, Adelson HG, Rankin A: Employment of pelvic sonography in the diagnosis and treatment of the cervical factor II. *Int J Fertil* 31:362-363, 1986.
254. Check JH, Chase JS, Adelson HG, Dietterich C: Successful improvement of the cervical factor with a short-course treatment of high dose estrogen. *Int J Fertil* 31:360-361, 1986.
255. Check JH, Wu CH, Dietterich C, Lauer C, Liss J: The treatment of cervical factor with ethinyl estradiol and human menopausal gonadotropins. *Int J Fertil* 31:148-152, 1986.
256. Check JH, Nowroozi K, Wu CH, Liss J, Dietterich C: The use of pelvic sonography and serum estradiol and progesterone assays in diagnosis and treatment of cervical factor. *Infertility* 9:247-256, 1986.
257. Check JH, Wu CH, Dietterich C, Lauer C, Liss J: Tratamiento del cervical con estogenos y gonadotropinas. *Revista Lationamericana de Fertil y Steril* 1:18-21, 1986.
258. Check JH, Nowroozi K, Wu CH, Adelson HG, Bollendorf A, Chern R, Press M: An in-vivo technique for screening immunologic factors in the etiology of the unexplained poor post-coital test. *Int J Fertil* 35:215-221, 1990.
259. Check JH: Letter to the editor. Re: The importance of the post-coital test. *Am J OB/GYN*. 164:932-933, 1991.
260. Check JH, Chase JS, Spirito P: Efficacy of intrauterine insemination versus sexual relations versus intracervical insemination for treatment of cervical factor infertility. *Am J Gyn Health* 5:11-17, 1991.

261. Check JH, Dietterich C, Lauer C, Liss J: Ovulation-inducing drugs versus specific mucus therapy for cervical factor. *Int J Fertil* 36:108-112, 1991.
262. Check JH, Adelson HG, Davies E: Effect of clomiphene citrate therapy on post-coital tests in successive treatment cycles including response to supplemental estrogen therapy. *Arch Androl*, 32:69-76, 1994.
263. Check JH, Bollendorf A, Zaccardo M, Lurie D, Vetter BH: Intrauterine insemination for cervical and male factor without superovulation. *Arch Androl* 35:135-141, 1995.
264. Check JH, Spirito P: Higher pregnancy rates following treatment of cervical factor with intrauterine insemination without superovulation versus intercourse: The importance of a well-timed postcoital test for infertility. *Arch Androl* 35:71-77, 1995.
265. Check JH, Lurie D, Peymer M, Katsoff D, Long R: Efficacy of intrauterine insemination without ovarian hyperstimulation for male or cervical factor in women age 40 or over. *Arch Androl* 44:193-196, 2000.
266. Check JH: Diagnosis and treatment of cervical mucus abnormalities. *Clin Exp Obst Gyn* 2006;33:140-142.

TUBAL DISEASE, TUBAL PREGNANCY AND UTERUS ABNORMALITY (TD)

267. Check JH: Performing a D&C for suspected ectopic pregnancy based on low serum progesterone level may cause the abortion of a potentially viable intrauterine gestation (Letter to the Editor). *Fertil Steril* 51:738-739, 1989.
268. Zohn J, Check JH, Nowroozi K, Nazari A: The results of chlamydia trachomatis antibody should not influence patient/doctor decision on performing tubal studies. Reprinted from *Recent Developments in Fertility and Sterility Series*, Chapter 20, pgs 133-137. The Proceedings of the XIIIth World Congress on Fertility & Sterility, Marrakesh, October, 1989.
269. Shanis BS, Check JH, Baker AF: Transmission of sexually transmitted diseases by donor semen. *Archives of Andrology* 23:249-257, 1989.
270. Check JH, Vetter BH, Check ML: Poor correlation of positive chlamydia trachomatis antibody tests and infertility in middle class women. *Am J Gynecol Health* 6(2):19-22, 1992.
271. Nazari A, Askari HA, Check JH, O'Shaughnessy A: Embryo transfer technique as a cause of ectopic pregnancy in in vitro fertilization. *Fertil Steril* 60:919-921, 1993.
272. Choe J, Check JH: Salpingectomy for unilateral hydrosalpinx may improve in vivo fecundity. *Gynecol Obstet Invest* 48:285-287, 1999.
273. Kiefer DG, Check JH: Salpingectomy improves outcome in the presence of a unilateral hydrosalpinx in a donor oocyte recipient: A case report. *Clin Exp Obst Gyn* 28:71-72, 2001.
274. Check JH, Choe JK, Katsoff B, Krotec JW, Nazari A: Ectopic pregnancy is not more likely following fresh vs. frozen embryo transfer. *Clin Exp Obst Gyn* 2005;32:95-96.
275. Katsoff B, Check JH: A case report to influence therapeutic philosophy when presented with the findings on laparoscopy of a unilateral hydrosalpinx with a contralateral diseased but patent fallopian tube without hydrosalpinx. *Clin Exp Obst Gyn* 2005;32:99-101.
276. Check JH, Krotec JW: The patient with fibroids. *In* *IVF in the medically complicated patient: a guide to management*, NS Macklon (ed), United Kingdom, Taylor & Francis, 2005, pp 139-157.
277. Check JH, Bostick-Smith CA, Choe JK, Amui J, Brasile D: Matched controlled study to evaluate the effect of endometrial polyps on pregnancy and implantation rates following in vitro fertilization-embryo transfer (IVF-ET). *Clin Exp Obst Gyn* 2011;38:206-208.
707. Choe JK: Hysteroscopic treatment of septate uterus with Neodymium-YAG laser. *Fertil Steril* 1992;57:81-84.

ENDOMETRIOSIS (E)

278. Nowroozi K, Chase JS, Check JH, Wu CH: The importance of laparoscopic coagulation of mild endometriosis in infertile women. *Int J Fertil* 32:442-444, 1987.
279. Nowroozi K, Chase JS, Check JH, Wu CH: La importancia de la coagulacion laparoscopica de endometriosis minima en la mujer esteril. *Revista Latinomaericana de Esterilidad y Fertilidad* 2(2), April, 1988.
280. Check JH, Coates TE, Nowroozi K: Extreme elevation of serum CA-125 in two women with severe endometriosis: Case Report. *Gynecol Endocrinol* 5:217-220, 1991.
281. O'Shaughnessy A, Check JH, Nowroozi K, Lurie D: CA-125 levels measured in different phases of the menstrual cycle in screening for endometriosis. *Obstet Gynecol* 81:99-103, 1993.
282. Check JH, Hornstein MD: Endometriosis causing very high early first trimester serum CA-125 levels. *Int J Gynecol Obstet* 48:217-218, 1995.
283. Check JH, Lurie D, O'Shaughnessy A, Dietterich C: The relationship of endometriosis to endometrial sonographic studies prior to administration of human chorionic gonadotrophin in patients undergoing in-vitro fertilization and embryo transfer. *Hum Reprod* 10:938-941, 1995.
284. Check JH, Dietterich C, Lurie D, Adelson HG, O'Shaughnessy A: Relationship of endometrial thickness and sonographic echo pattern to endometriosis in non-in vitro fertilization cycles. *Gynecol Obstet Invest* 40:113-116, 1995.
285. Hornstein MD, Harlow BL, Thomas PP, Check JH: Use of a new CA 125 assay in the diagnosis of endometriosis. *Hum Reprod* 10:932-934, 1995.
286. Sapoznikov V, Check JH, O'Shaughnessy A, Nazari A: The relationship of endometriosis and pre-hCG endometrial sonographic studies in patients undergoing in vitro fertilization embryo transfer (IVF-ET). In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 687-691, 1995.
287. Check JH, Cohen R, Peymer M, Resnick M, Suryanarayan C: Correlation of basal menses CA-125 levels and 6 month pregnancy rates in women undergoing treatments for infertility without assisted reproductive methods. *Am J Reprod Immunol* 37:315-319, 1997.
288. Check JH, Check ML, Kiefer D, Aikins J: Ovarian cancer in a woman previously diagnosed with endometriosis and an extremely high serum CA-125 level. *Clin Exp Obst Gyn* 28:83-85, 2001.

289. Check JH: The use of AMMOOSE@. *Fertil Steril* 2002 Dec;78(6):1350-1.
290. Check JH: What role does decreased ovarian reserve play in the etiology of infertility related to endometriosis? [Letter-to-the-editor] *Hum Reprod* 2003 Mar;18(3):653-4.
291. Check JH: The association of minimal and mild endometriosis without adhesions and infertility with therapeutic strategies. *Clin Exp Obst Gyn* 2003;30(1)13-18.
292. Check JH: The association of minimal and mild endometriosis without adhesions and infertility with therapeutic strategies. *Clin Exp Obst Gynecol* 2003;30:35-39.
293. Katsoff B, Check JH, Davies E, Wilson C: Evaluation of the effect of endometriosis on oocyte quality and endometrial environment by comparison of donor and recipient outcomes following embryo transfer in a shared oocyte program. *Clin Exp Obst Gyn* 2006;33:201-202.
294. Check JH: CA-125 as a biomarker for malignant transformation of endometriosis. *Fertil Steril* 2009 May;91(5):e35.
295. Check JH, Liss JR, Krotec JW, Choe JK, Brasile D: The effect of endometriosis on pregnancy outcome following in vitro fertilization-embryo transfer (IVF-ET) in women with decreased egg reserve. *Clin Exp Obst Gyn* 2010;37:108-109.

IN VITRO FERTILIZATION – GENERAL (IVFG)

296. Check JH, Nazari A, Baker AF, Goldsmith G: A unique case exemplifying the use of in vitro fertilization for unexplained infertility. ARTA. 1:367-369, 1990.
297. Check JH, Nowroozi K, Chase JS, Nazari A, Callan C: Comparison of luteal phase support with high and low dose progesterone therapy on pregnancy rates in an IVF program. J IVF-ET. 8:173-175, 1991.
298. Check JH, Nowroozi K, Choe J, Dietterich C: Influence of endometrial thickness and echo patterns on pregnancy rates during in vitro fertilization. Fertil Steril. 56:1173-1175, 1991.
299. Check JH, Nowroozi K, Chase JS, Dietterich C: Effect of increased mid-cycle androgen levels following controlled ovarian hyperstimulation during IVF on fertilization/pregnancy rates. Assisted Reproductive Technology/Andrology Supplement III 85-87, 1991.
300. Check JH, Nowroozi K, Chase JS: Comparison of short versus long-term leuprolide acetate-human menopausal gonadotropin hyperstimulation in in vitro fertilization patients. Hum Reprod 7:31-34, 1992.
301. Barnea ER, Check JH, O'Shaughnessy A: Pregnancy rate and outcome of embryo transfer: dorsal lithotomy vs knee-chest position: a randomized prospective study. ARTA. 3:59-62, 1992.
302. Coates TE, Check JH, Choe J, Nowroozi K, Lurie D, Callan C: An evaluation of couples with failure of fertilization in vitro. Hum Reprod 7(7):978-981, 1992.
303. Check JH, Lurie D, Dietterich C, Callan C, Baker A: Adverse effect of a homogeneous hyperechogenic endometrial sonographic pattern despite adequate endometrial thickness of pregnancy rates following in vitro fertilization. Hum Reprod 8:1293-1296, 1993.
304. Check JH, Lurie D, Hoover L, Stumpo L, Summers D: Association of higher pregnancy rates with low serum progesterone levels (by Radioimmunoassay) at time of human chorionic gonadotropin not corroborated when using a nonisotopic immunoassay. J Assist Reprod Genetics, 10(5):384-387, 1993.
305. Check JH, Lurie D, Callan C, Baker A, Benfer K: Comparison of the cumulative probability of pregnancy following in vitro fertilization-embryo transfer by infertility factor and age. Fertil Steril 61(2)257-261, 1994.
306. Check JH: Predictive value of serum progesterone levels for pregnancy outcome. Letter-to-the-editor, Fertility and Sterility 62:1090-1091, 1994.
307. Hoover L, Baker A, Check JH, Lurie D, O'Shaughnessy A: Evaluation of a new embryo

- grading system to predict pregnancy rates following in vitro fertilization. *Gynecol Obstet Invest* 40:151-157, 1995.
308. Check JH, O'Shaughnessy A, Nazari A, Hoover L: Comparison of efficacy of high-dose pure follicle stimulating hormone versus human menopausal gonadotropins for in vitro fertilization. *Gynecol Obstet Invest* 40:117-119, 1995.
 309. Hoover L, O'Shaughnessy A, Nazari A, Check JH: An RIA by Amersham with a low coefficient of variation in the low serum P range associated with better pregnancy rate (PR) prognosis with IVF-ET. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 255-258, 1995.
 310. Hoover L, O'Shaughnessy A, Check JH, Nazari A: Luteinizing hormone (LH) in follicle stimulating drugs not needed despite long suppression with gonadotropin releasing hormone agonists. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 259-263, 1995.
 311. Shanis B, Summers D, Check JH, O'Shaughnessy A, Nazari A: An ultra-short use of leuprolide acetate works as well as longer use to prevent premature luteinization following controlled ovarian hyperstimulation. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 273-277, 1995.
 312. Shanis B, Check JH, O'Shaughnessy A, Summers D: Improved pregnancy rates (PRs) in older patients or those with elevated baseline FSH levels with short flare or clomiphene-hMG hyperstimulation protocols. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 279-283, 1995.
 313. Summers D, Check JH, Nazari A, O'Shaughnessy A, Hoover L: Subtle rise in progesterone (P) at time of human chorionic gonadotropin (hCG) may have more of an adverse effect on the endometrium than the oocyte as determined by a shared oocyte program. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 285-289, 1995.
 314. Summers D, Check JH, Hoover L, O'Shaughnessy A, Nazari A: A 36 hour time of retrieval from human chorionic gonadotropin (hCG) injection may produce better pregnancy rates (PR) than a 34 hour interval. In: IX World Congress on In Vitro

- Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 291-294, 1995.
315. Hoover L, Summers D, Check JH, Nazari A, O'Shaughnessy A: EIA methods for measuring serum progesterone (P) at time of human chorionic gonadotropin (hCG) not predictive of subsequent pregnancy rates (PR). In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 351-355, 1995.
 316. Sapoznikov V, Check JH, Nazari A, O'Shaughnessy A: Deep-fundal rather than mid-fundal placement of embryos increases ectopic but not intrauterine pregnancy rate. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 365-368, 1995.
 317. Sapoznikov V, Check JH, Nazari A, O'Shaughnessy A: Pregnancy rates (PRs) according to endometrial thickness and echo pattern at time of hCG. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 369-372, 1995.
 318. Sapoznikov V, Nazari A, Check JH, O'Shaughnessy A: Lowered pregnancy rates seen in IVF patients with a homogeneous hyperechogenic endometrial echo pattern prior to hCG injection. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 373-377, 1995.
 319. Shanis B, Katsoff D, Bollendorf A, Summers D, Check JH: Sera antisperm antibodies (ASA) in female partners does not reduce IVF pregnancy rates (PRs). In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 595-599, 1995.
 320. Shanis BS, Katsoff D, Check JH, Bollendorf A: Mild enzymatic treatment of sperm bound with antisperm antibody prior to oocyte insemination improves IVF pregnancy rates. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 601-605, 1995.
 321. Hoover L, Check JH, Nazari A, O'Shaughnessy A: The use of donor sperm vs oocytes to evaluate the course of failed fertilization. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A,

- Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 635-638, 1995.
322. Shanis B, Nazari A, Check JH, Summers D, O'Shaughnessy A: Culture and treatment of mycoplasma/ureaplasma (M/U) infection not found helpful to improve pregnancy rates following IVF. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 727-730, 1995.
 323. Check JH, Hoover L, Nazari A, O'Shaughnessy A, Summers D: The effect of assisted hatching on pregnancy rates after frozen embryo transfer. *Fertil Steril* 65:254-257, 1996.
 324. Check JH, Nazari A, Kuhn R, Lauer C: Relationship of early follicular phase sera follicle stimulating hormone and luteinizing hormone levels as measured by a radioimmunoassay and an enzyme-linked immunosorbent assay to number of oocytes retrieved. *Clin Exper Obst Gyn* 23(2):83-86, 1996.
 325. Dietterich C, Check JH, Lurie D: A comparison of early gestational age markers in viable twin pregnancies resulting from in vitro fertilization-embryo transfer versus spontaneous conception with ovarian stimulation. *Clin Exper Obstet Gynecol*, 24(1)23-25, 1997.
 326. Check JH, Pessa R, Peymer M: A study to determine whether serum follicle-stimulating hormone can be a marker for ovarian hyperresponse to follicle-maturing drugs for in vitro fertilization. *Gynecol Obstet Invest* 43(4)242-244, 1997.
 327. Summers D, Check JH, Peymer M, Choe J: Pregnancy rates in women older than 43 following in vitro fertilization-embryo transfer (IVF-ET) with assisted ET. In: *In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction*. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 711-714, 1997.
 328. Choe J, Check JH, Dietterich C, Lowney M: The measurement of uterine blood flow impedance using the color Doppler sonogram does not help predict lower pregnancy rates (PRs) in women having appropriate endometrial thickness and echo patterns prior to oocyte retrieval. In: *In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction*. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 797-801, 1997.
 329. Peymer M, Check JH, Choe J, Nazari A: Higher pregnancy rates (PRs) following in vitro fertilization-embryo transfer (IVF-ET) with luteal phase leuprolide acetate (LA)/gonadotropin hyperstimulation regimen if serum estradiol (E2) increases by at least 10% the day after human chorionic gonadotropin (hCG). In: *In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction*. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 851-854, 1997.

330. Summers D, Check JH, Choe J, Hoover L: Assisted embryo hatching improves pregnancy rates (PRs) in women aged 40-43 years. In: In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 909-914, 1997.
331. Check JH: A negative study with power? Fertil Steril 70(3):599-600, 1998.
332. Check JH, Dietterich C, Lurie D, Nazari A, Chuong J: A matched study to determine whether low-dose aspirin without heparin improves pregnancy rates following frozen embryo transfer and/or affects endometrial sonographic parameters. J Assist Reprod Genet 15(10):579-582, 1998.
333. Check JH, Choe JK, Katsoff D, Summers-Chase D, Wilson C: Controlled ovarian hyperstimulation adversely affects implantation following in vitro fertilization-embryo transfer. J Assist Reprod Genet, 16:416-420, 1999.
334. Dietterich C, Check JH, Lurie D, Choe JK: Preliminary evidence that ovarian stimulation in IVF-ET cycles may lower vascular impedance of the uterine arteries. In: In Vitro Fertilization and Human Reproductive Genetics, Proceedings of the 11th World Congress on In Vitro Fertilization and Human Reproductive Genetics. Monduzzi Editore. Pgs 179-182, 1999.
335. Choe JK, Check JH, Perkins S, Summers-Chase D: In vitro fertilization-embryo transfer (IVF-ET) can be successful in women over age 40. In: In Vitro Fertilization and Human Reproductive Genetics, Proceedings of the 11th World Congress on In Vitro Fertilization and Human Reproductive Genetics. Monduzzi Editore. Pgs 223-226, 1999.
336. Dietterich C, Check JH, Lurie D, Choe JK: Uterine artery vascular impedance measured by Doppler sonography throughout an IVF cycle with ovarian stimulation does not correlate with pregnancy outcome. In: In Vitro Fertilization and Human Reproductive Genetics, Proceedings of the 11th World Congress on In Vitro Fertilization and Human Reproductive Genetics. Monduzzi Editore. Pgs 173-177, 1999.
337. Check JH, Dietterich C, Lurie D, Nazari A: No evidence of increased uterine vascular impedance with patient aging following IVF. Hum Reprod 15(8):1679-1684, 2000.
338. Check JH, Dietterich C, Lurie D: Non-homogeneous hyperechogenic pattern 3 days after embryo transfer is associated with lower pregnancy rates. Hum Reprod 15(5):1069-1074, 2000.
339. Swenson K, Check JH, Summers-Chase D, Choe JK, Check ML: A randomized study comparing the effect of standard versus short incubation of sperm and oocyte on subsequent pregnancy and implantation rates following in vitro fertilization-embryo transfer (IVF-ET). Arch Androl 45:73-76, 2000.

340. Check JH, Choe JK, Nazari A, Summers-Chase D: Ovarian hyperstimulation can reduce uterine receptivity. A case report. *Clin Exp Obst Gyn* 27(2):89-91, 2000.
341. Dietterich C, Check JH, Choe JK, Nazari A, Fox F: The presence of small uterine fibroids not distorting the endometrial cavity does not adversely affect conception outcome following embryo transfer in older recipients. *Clin Exp Obst Gyn* 27:168-170, 2000.
342. Check JH, Katsoff D, Brittingham D, Summers-Chase D, Wilson C: Comparable implantation rates with fresh vs frozen embryo transfer suggests that controlled ovarian hyperstimulation has an adverse effect on conception outcome. *Clin Exp Obst Gyn* 27:173-175, 2000.
343. Check ML, Brittingham D, Check JH, Choe JK: Pregnancy following transfer of cryopreserved-thawed embryos that had been a result of fertilization of all vitro matured metaphase, or germinal stage oocytes: Case report. *Clin Exp Obst Gyn* 28:69-70, 2001.
344. Check JH, Wilson C, Summers-Chase D, Choe JK, Nazari A, Lurie D: Pregnancy rates (PRs) according to embryo cell number at time of embryo transfer (ET). *Clin Exp Obst Gyn* 28:73-77, 2001.
345. Check JH, Check ML, Nazari P, Davies E, Choe JK: Presence of LH in gonadotropins associated with higher IVF pregnancy rates when basal serum LH is increased. *Clin Exp Obst Gyn* 28:102-106, 2001.
346. Lurie D, Check JH, Nazari A, Choe JK, Lee G: Cumulative pregnancy rates after four embryo transfers of either fresh or frozen embryos. *Clin Exp Obst Gyn* 28:148-152, 2001.
347. Check JH, Yuen W, Check ML, Swenson K: The probability of pregnancy and implantation rates are similar for the first four embryo transfers (ETs) (fresh or frozen) following in vitro fertilization (IVF) with intracytoplasmic sperm injection (ICSI). In: *Andrology in the 21st Century, Proceedings of the VII International Congress of Andrology*. Medimond Medical Publications. Pgs. 433-436, 2001.
348. Choe JK, Nazari A, Check JH, Summers-Chase D, Swenson K: Marked improvement in clinical pregnancy rates following in vitro fertilization-embryo transfer seen when transfer technique and catheter were changed. *Clin Exp Obst Gyn* 38:223-224, 2001.
349. Dietterich C, Check JH, Choe JK, Nazari A, Lurie D: Increased endometrial thickness on the day of human chorionic gonadotropin injection does not adversely affect pregnancy or implantation rates following in vitro fertilization-embryo transfer. *Fertil Steril* 77:781-786, 2002.
350. Wilson C, Check ML, Check JH, Kiefer D, Choe JK: Recombinant FSH (especially Gonal-F) may adversely effect the uterine environment. Reprinted from: 12th World

- Congress on In Vitro Fertilization and Molecular Reproduction, Ed. Anibal A. Acosta, Monduzzi Editore, International Proceedings Division. Pgs. 185-189, 2002.
351. Check JH, Kiefer D, Summers-Chase D, Choe JK, Fox F: Transferring at least one embryo with eight blastomeres at 72 hours improves prognosis of donor oocyte recipients receiving fresh embryos but not frozen-thawed embryos. Reprinted from: 12th World Congress on In Vitro Fertilization and Molecular Reproduction, Ed. Anibal A. Acosta, Monduzzi Editore, International Proceedings Division. Pgs. 111-115, 2002.
 352. Check JH, Nazari P, Check ML, Choe JK, Liss JR: Prognosis following in vitro fertilization-embryo transfer (IVF-ET) in patients with elevated day 2 or 3 serum follicle stimulating hormone (FSH) is better in younger vs older patients. *Clin Exp Obst Gyn* 2002;29:42-44.
 353. Check JH, Choe JK, Lee G, Dietterich C: The effect on IVF outcome of small intramural fibroids not compressing the uterine cavity as determined by a prospective matched control study. *Hum Reprod* 2002;17:1244-1248.
 354. Check JH: AAn experimental bagatelle or a wrong mistake? [Letter-to-the-editor]. *Fertil Steril* 2002 Aug;78(2):434.
 355. Check JH: Optimal levels of LH, or not enough power to say? [Letter-to-the-editor]. *Fertil Steril* 2001;76:853-854.
 356. Check JH: HMG is possibly superior to recombinant FSH for IVF. [Letter-to-the-editor]. *Hum Reprod* 2001;16:2473.
 357. Check JH: IVF outcome and intramural fibroids not compressing the uterine cavity. *Hum Reprod* 2002;17:2485-2486.
 358. Check M, Wilson C, Check JH, Kiefer D, Choe JK: Evidence that exclusive use of Follistim may produce better pregnancy results than the use of Gonal-F following in vitro fertilization (IVF)-embryo transfer (ET). *Clin Exp Obst Gyn* 29:183-184, 2002.
 359. Check JH, Summers-Chase D, Nazari A, Kiefer D, Swenson K: The importance of number of blastomeres when embryos are transferred in the absence of controlled ovarian hyperstimulation. *Clin Exp Obst Gyn* 29:257-258, 2002.
 360. Check JH, Graziano V: Multiple confounders measured with error? *Fertil Steril* 2003 May;79(5):1256-7.
 361. Check JH, Swenson K, Summers-Chase D, Choe JK, Yuan W: Effect of transferring frozen/thawed embryos resulting from fertilization of immature oocytes matured one day in culture prior to intracytoplasmic sperm injection (ICSI) on implantation rates. *Clin Exp Obst Gyn* 2003;30:197-198.

362. Check JH, Graziano V, Lee G, Nazari A, Choe JK, Dietterich C: Neither sildenafil or vaginal estradiol improves endometrial thickness in women with thin endometria after taking oral estradiol in graduating dosages. *Clin Exp Obst Gyn* 2004;31:99-102.
363. Check JH: In vitro maturation of oocytes. *Fertil Steril* 2004;81:479.
364. Keye WR Jr., Marrs RP, Check JH, Schnell V, Surrey M, Marshall DC: Evaluation of mixed protocols with Bravelle (human-derived FSH) and Repronex (hMG) to assess clinical efficacy (EMBRACE) in women undergoing in vitro fertilization. *Fertil Steril* 2004;82:348-357.
365. Check JH: An appropriate endpoint – cumulative live birth rate (CLBR) [letter-to-the-editor]. *Fertil Steril* 2004;81:1717-1718.
366. Summers-Chase D, Check JH, Swenson K, Yuan W, Brittingham D, Barci H: A comparison of in vitro fertilization outcome by culture media used for developing cleavage-stage embryos. *Clin Exp Obst Gyn* 2004;31:179-182.
367. Check ML, Check JH, Choe JK, Davies E, Kiefer D: Effect of antagonists vs agonists on in vitro fertilization outcome. *Clin Exp Obst Gyn* 2004;31:257-259.
368. Davies E, Katsoff B, Check JH, Krotec JW: A comparison of pregnancy outcome following single embryo transfer using minimal vs. moderate gonadotropin stimulation. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 123-126, 2005.
369. Katsoff B, Wiesak T, Check JH, Krotec JW, Kiefer D: The effect of the serum progesterone level at the time of human chorionic gonadotropin injection on pregnancy outcome using ovarian hyperstimulation protocols with gonadotropin releasing hormone antagonists on pregnancy rates following embryo transfer. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 241-243, 2005.
370. Kiefer D, Katsoff B, Check JH, Summers-Chase D: Pregnancy outcome following frozen embryo transfer according to number of blastomeres. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 339-342, 2005.
371. Check JH, Katsoff B, Davies E, Choe JK: No association of serum progesterone (P) levels on the day of human chorionic gonadotropin (hCG) injection and pregnancy outcome following in vitro fertilization-embryo transfer (IVF-ET) in stimulation protocols using ganirelix in patients of an older reproductive age. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 237-239, 2005.
372. Katsoff B, Check JH, Choe JK, Wilson C: Editorial article: A novel method to evaluate

- pregnancy rates following in vitro fertilization to enable a better understanding of the true efficacy of the procedure. *Clin Exp Obst Gyn* 2005;32:213-216.
373. Horwath D, Check JH, Katsoff B, Amui J, Brasile D: Subsequent therapeutic options and outcome in couples who fail to fertilize despite in vitro fertilization (IVF) and intracytoplasmic sperm injection (ICSI). *Clin Exp Obst Gynecol* 2007;34:109-110.
 374. Wang W, Check JH, Liss JR, Choe JK: A matched controlled study to evaluate the efficacy of acupuncture for improving pregnancy rates following in vitro fertilization-embryo transfer. *Clin Exp Obstet Gynecol* 2007;34:137-138.
 375. Check JH, Summers-Chase D, Choe JK, Amui J, Brasile D: Evidence that intracytoplasmic sperm injection (ICSI) may produce embryos less likely to implant. In: *International Proceedings of the 14th World Congress on In Vitro Fertilization and 3rd World Congress on In Vitro Maturation*, Monduzzi Editore, Pgs. 107-110, 2007.
 376. Check JH: In vitro fertilization is expensive: when should a couple be advised to stop trying with their own gametes and seek other options? Review of three cases. *Clin Exp Obstet Gynecol* 2008;35(1):5-9.
 377. Check JH: 30 years of IVF: what does the future hold? *Women's Health* 2008 Jul;4(4):307-310.
 378. Check JH: Luteal phase support in assisted reproductive technology treatment: focus on Endometrin® (progesterone) vaginal insert. *Ther Clin Risk Manag* 2009;5:403-407.
 379. Check JH, Bollendorf A, Summers-Chase D, Horwath D, Wourani W: Conventional oocyte insemination may result in a better pregnancy outcome than intracytoplasmic sperm injection (ICSI) for unexplained infertility. *Clin Exp Obst Gyn* 2009;36(3):150-151.
 380. Check JH, Amui J, Choe JK, Brasile D: Relationship of serum progesterone (P) level the day after human chorionic gonadotropin (hCG) injection on outcome following in vitro fertilization-embryo transfer (IVF-ET). *Clin Exp Obst Gyn* 2009;36:214-215.
 381. Check JH, Davies E, Brasile D, Choe JK, Amui J: A prospective comparison of in vitro fertilization (IVF) outcome following controlled ovarian hyperstimulation (COH) regimens using follitropin alpha exclusively or with the addition of low dose human chorionic gonadotropin (hCG) and ganirelix. *Clin Exp Obst Gyn* 2009;36:217-218.
 382. Dix E, Check JH: Successful pregnancies following embryo transfer despite very thin late proliferative endometrium. *Clin Exp Obst Gyn* 2010;37:15-16.
 383. Dieterich C, Klausner K, Check JH: A method to improve false interpretation of the endometrial echo pattern as homogeneous hyperechogenic. *Fertil Steril* 2010; [Epub ahead of print].

384. Check JH: Advantages of using a lower vs. higher dosage of gonadotropins for follicular maturation including cycles of in vitro fertilization-embryo transfer. *Clin Exp Obst Gyn* 2010;37:84-88.
385. Check JH, Bollendorf A, Dix E, Katsoff D: Effect of fertilization by intracytoplasmic sperm injection versus conventional insemination on embryo cleavage rates. *Clin Exp Obst Gyn* 2010;37:183-184.
386. Check JH, Amui J, Choe JK, Brasile D, Cohen R: Blastomere number and pregnancy rates in the succeeding in vitro fertilization cycle in women who formed all embryos with ≤ 5 blastomeres. *Clin Exp Obst Gyn* 2011;38:320-321.
387. Check JH, Wilson C, Choe JK, Amui J, Brasile D: Evidence that high serum progesterone (P) levels on day of human chorionic gonadotropin (hCG) injection have no adverse effect on the embryo itself as determined by pregnancy outcome following embryo transfer using donated eggs. *Clin Exp Obst Gyn* 2010;37:179-180.
388. Check JH, Cohen R, Amui J, Choe JK, Brasile D: Evidence that the main adverse effect of ganirelix on pregnancy and implantation rates is on the embryo rather than the endometrium. *Clin Exp Obst Gyn* 2011;38:326-327.
635. Check JH: The importance of sonographic endometrial parameters in influencing success following embryo transfer in the modern era and therapeutic options. Part 1: the importance of late proliferative phase endometrial thickness. *Clin Exp Obst Gyn* 2011;38:197-200.
636. Check JH, Yuan W, Garberi-Levito MC, Swenson K, McMonagle K: Effect of method of oocyte fertilization on fertilization pregnancy and implantation rates in women with unexplained infertility. *Clin Exp Obst Gyn* 2011;38:203-205.
637. Katsoff B, Check JH, Wilson C, Choe JK: Effect of serum progesterone level on the day of human chorionic gonadotropin injection on outcome following in vitro fertilization-embryo transfer in women using gonadotropin releasing hormone antagonists. *Clin Exp obst Gyn* 2011;38:322-323.
638. Amui J, Check JH, Brasile D: Speculum retention during embryo transfer does not improve pregnancy rates following embryo transfer – a randomized study. *Clin Exp Obst Gyn* 2011;38:333-334.
639. Check JH, Slovis B: Choosing the right stimulation protocol for in vitro fertilization-embryo transfer in poor, normal, and hyper-responders. *Clin Exp Obst Gyn* 2011;38:313-317.
646. Check JH, Summers-Chase D, Yuan W, Swenson K, Horwath D, Press M: “Embryo glue” does not seem to improve chances of subsequent pregnancy in refractory in vitro fertilization cases. *Clin Exp Obst Gyn* 2012;39:11-12.

650. Check JH: Minimal and natural stimulations for IVF. In: *Advances in Embryo Transfer*. Ed. Bin Wu. Chapter 2, pgs. 21-36, 2012.
655. Check JH, Wilson C, Summers-Chase D, Yuan W, Horwath D, Press M: Pregnancy outcome following in vitro fertilization-embryo transfer according to the percentage of metaphase II oocytes retrieved. *Clin Exp Obst Gyn* 2012;39:147-148.
657. Check JH: Luteal phase support for in vitro fertilization-embryo transfer – present and future methods to improve successful implantation. *Clin Exp Obst Gyn* 2012;39:422-428.
665. DiAntonio A, Choe JK, Check JH: A drop in serum estradiol the day after human chorionic gonadotropin (hCG) shot does not adversely affect pregnancy rates per embryo transfer in women with very decreased oocyte reserve. In: *International Proceedings of the 16th World Congress on In Vitro Fertilization and 5th World Congress on In Vitro Maturation*, Monduzzi Editore, 67-70, 2011.
666. Citrino G, Check JH, Choe JK: A comparison of pregnancy outcome in women with normal oocyte reserve according to the use of high or low dose follicle stimulating hormone (FSH) stimulation. In: *International Proceedings of the 16th World Congress on In Vitro Fertilization and 5th World Congress on In Vitro Maturation*, Monduzzi Editore, 71-74, 2011.
672. Check JH, Dietterich C, Choe JK, Cohen R: Effect of triple line vs. isoechogenic endometrial texture on pregnancy outcome following embryo transfer according to use of controlled ovarian stimulation (COH) or estrogen/progesterone replacement. *Clin Exp Obst Gyn* 2013;40:37-39.
674. Slovis BH, Check JH: Younger women with diminished oocyte reserve are not more prone to meiosis errors leading to spontaneous abortion than their age peers with normal oocyte reserve. *Clin Exp Obst Gyn* 2013;40:29-32.
676. Levi T, Check JH, Wilson C, Mitchell-Williams J: Adding luteinizing hormone to follicle stimulating hormone from day 3-5 improves pregnancy outcome in normal but not poor responders using gonadotropin releasing hormone antagonists. *Clin Exp Obst Gyn* 2013;40:24-26.
680. Borman E, Check JH: A comparison of clinical pregnancy rates and multiple gestation rates with 2 vs. 3 embryos transferred with pairs matched for embryo quality. *Clin Exp Obst Gyn* 2013;40:196-197.
709. Check JH, Cohen R, Choe JK: Failure to improve a thin endometrium in the late proliferative phase with uterine infusion of granulocyte-colony stimulating factor. *Clin Exp Obst Gyn* 2014;41:473-475.

723. Check JH, Wilson C, Cohen R, Choe JK, Corley D: Mid-luteal phase injection of subcutaneous leuprolide acetate improves live delivered pregnancy and implantation rates in younger women undergoing in vitro fertilization-embryo transfer (IVF-ET). *Clin Exp Obst Gyn* 2015;42:427-428.

EMBRYO CRYOPRESERVATION (CRY)

389. Goldsmith G, Baker AF, Nowroozi K, Check JH: Cryopreservation of early cell stage human embryos. Assisted Human Reproduction Technology (Reproductive Health Technology) Volume I Edited by E.S.E. Hafez, Hemisphere Publishing Corporation. Part 6: Cryopreservation Of Gametes and Embryos. Chapter 22 pages 227-235, 1991.
390. Baker AF, Check JH, Nowroozi K, Goldsmith G, Lee M: Cryopreservation of human embryos using a shorter cooling program one step removal of cryoprotectant during thawing. ARTA II:341-343, 1991.
391. Baker AF, Choe JK, Check JH, Hourani CL, Summers DC, Stumpo L: Pregnancy rates using different hormonal stimulations for frozen embryo replacement cycles. ARTA 3:93-95, 1992.
392. Hoover L, Summers D, Check JH, Nazari A, O'Shaughnessy A: Pregnancy after zona drilling of cryopreserved thawed embryos: case report. Fertil Steril 63:401-403, 1995.
393. Hoover L, Summers D, Check JH, Nazari A, O'Shaughnessy A: Pregnancy after zona drilling of cryopreserved thawed embryos. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 647-650, 1995.
394. Baker AF, Check JH, Hourani CL: Survival and pregnancy rates of pronuclear stage human embryos cryopreserved and thawed using a single step addition and removal of cryoprotectants. Hum Reprod Update May 1996;2:271 (CD-ROM), Item 12.
395. Check JH, Baker A, Benfer K, Lurie D, Katsoff D: Transfer of cryopreserved embryos improved pregnancy rates in patients with damage to the functional integrity of the sperm membrane as measured by the hypo-osmotic swelling test. Fertil Steril 65(6):1241-1244, 1996.
396. Hoover L, Baker A, Check JH, Lurie D, Summers D: Clinical outcome of cryopreserved human pronuclear stage embryos resulting from intracytoplasmic sperm injection. Fertil Steril, 67(4)621-624, 1997.
397. Baker A, Check JH, Lurie D, Hourani C, Hoover LM: Pregnancy achieved with pronuclear-stage embryos that were cryopreserved and thawed twice: A case report. J Assist Reprod Genet, 13(9)713-715, 1996.
398. Summers D, Check JH, Choe J, Baker A: Pregnancy rates following the transfer of thawed embryos that had been cryopreserved for long intervals using a simplified freezing and thawing technique. In: In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 71-74, 1997.

399. Peymer M, Check JH, Summers D, Choe J: Deferring fresh embryo transfer (ET) for fear of ovarian hyperstimulation syndrome (OHSS) in favor of cryopreservation with subsequent frozen ET does not reduce pregnancy rates (PRs) when using a simplified freeze/thaw protocol. In: *In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction*. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 91-94, 1997.
400. Summers D, Baker A, Check JH, Choe J: Analysis of post-thaw survival and pregnancy rates of multi-cell embryos cryopreserved and thawed using a simplified protocol. In: *In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction*. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 95-98, 1997.
401. Choe J, Check JH, Summers D, Peymer M: A comparison of pregnancy rates (PRs) following frozen embryo transfer (ET) in women receiving estrogen in gradually rising doses by use of down regulation of gonadotropin with leuprolide acetate (LA) in the luteal phase. In: *In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction*. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 837-840, 1997.
402. Choe JK, Swenson K, Check JH, Nazari A: A comparison of embryo survival following thawing of embryos using a simplified freeze/thaw protocol by age of patient and cell stage at time of cryopreservation. In: *In Vitro Fertilization and Human Reproductive Genetics, Proceedings of the 11th World Congress on In Vitro Fertilization and Human Reproductive Genetics*. Monduzzi Editore. Pgs 333-336, 1999.
403. Perkins S, Check JH, Choe JK, Lurie D: A comparison of survival, pregnancy, and implantation rates of cryopreserved/thawed embryos that were formed by conventional insemination versus intracytoplasmic sperm injection (ICSI). In: *In Vitro Fertilization and Human Reproductive Genetics, Proceedings of the 11th World Congress on In Vitro Fertilization and Human Reproductive Genetics*. Monduzzi Editore. Pgs 353-356, 1999.
404. Check JH, Summers-Chase D, Swenson K, Choe JK, Yuan W, Lurie D: Transfer success of frozen-thawed embryos at different cell stages at cryopreservation. *Reprod Technol* 10:201-205, 2000.
405. Check ML, Check JH, Summers-Chase D, Swenson K, Yuan W: Pregnancy/implantation rates as related to age following transfer of frozen embryos produced by ICSI. *Arch Androl* 47:161-165, 2001.
406. Check JH, Brittingham D, Swenson K, Wilson C, Lurie D: Transfer of re-frozen twice-thawed embryos do not decrease the implantation rate. *Clin Exp Obst Gyn*, 28:14-16, 2001.
407. Check ML, Check JH, Summers-Chase D: A successful pregnancy from zygotes cryopreserved for >9 years: Case report. *Clin Exp Obst Gyn* 28:91-92, 2001.

408. Check JH: Advance directives for disposition of gametes? [Letter-to-the-editor]. *Fertil Steril* 2002;77:1088.
409. Check JH, Kiefer D, Summers-Chase D, Check M, Choe JK: A study to determine if embryo cryopreservation influences the potential of rapidly growing embryos to successfully implant in uterine environments not influenced by controlled ovarian hyperstimulation. *Clin Exp Obst Gyn* 2002;29:113-114.
410. Check JH, Dietterich C, Graziano V, Lurie D, Choe JK: Effect of maximal endometrial thickness on outcome after frozen transfer. *Fertil Steril* 2004;81:1399-1400.
411. Horwath D, Check JH, Choe JK, Wilson C, Amui J: Frozen embryo transfer outcome according to reason for freezing the embryos. *Clin Exp Obstet Gynecol* 2005;32:19-20.
412. Check JH, Dietterich C, Nazari A, Lurie D, Choe JK, Check ML: Non-homogeneous hyperechogenic echo pattern three days after frozen embryo transfer is associated with lower pregnancy rates. *Clin Exp Obstet Gynecol* 2005;32:15-18.
413. Graziano V, Check JH, Dietterich C, Choe JK, Yuan W: A comparison of luteal phase support in graduated estradiol/progesterone replacement cycles using intramuscular progesterone alone versus combination with vaginal suppositories on outcome following frozen embryo transfer. *Clin Exp Obst Gyn* 2005;32:93-94.
414. Check JH, Katsoff B, Choe JK: Embryos from women who hyperrespond to controlled ovarian hyperstimulation do not have lower implantation potential as determined by results of frozen embryo transfer. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 109-113, 2005.
415. Check JH, Katsoff B, Davies E, Kiefer D: Higher implantation rates using a simplified embryo transfer cryopreservation protocol with one-step removal of cryoprotectant when freezing at the 2 pronuclear stage vs. multi-cell stage. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 331-334, 2005.
416. Wilson C, Check JH, Summers-Chase D, Swenson K: Successful pregnancies from embryos cryopreserved more than ten years: two case reports. *Clin Exp Obst Gyn* 2006;33:79-80.
417. Katsoff B, Wilson C, Check JH, Yuan W, Summers-Chase D: Fertilization by intracytoplasmic sperm injection (ICSI) does not impair subsequent pregnancy outcome following frozen embryo transfer (ET) as determined by a large retrospective analysis. *Clin Exp Obst Gyn* 2006;33:203-204.
418. Check JH: Advances in oocyte cryopreservation – Part I: Slow cool rapid thaw technique. *Clin Exp Obst Gyn* 2008;35:237-239.

419. Check JH: Advances in oocyte cryopreservation Part II: Rapid cooling using vitrification. *Clin Exp Obst Gyn* 2009;36(1):5-9.
420. Check JH, Horwath D, Summers-Chase D, Yuan W, Swenson K, Levito C: The effect of blastomere number on embryo survival upon freezing/thawing. *Clin Exp Obst Gyn* 2009;36:209.
421. Check JH, Summers-Chase D, Horwath D, Swenson K, Yuan W: A comparison of efficacy of freezing embryos at the 2 pronuclear (2PN) stage vs. multi-cell when using a simplified freezing protocol with one-step removal of cryoprotectant. *Clin Exp Obst Gyn* 2009;36:210-211.
422. Check JH, Swenson K, Yuan W, Nazari A: Effect of the degree of fragmentation on embryo survival after freeze-thawing. *Clin Exp Obst Gyn* 2009;36:216.
423. Check JH, Dietterich C, Cohen R, Choe JK, Amui J, Brasile D: Increasing the dosage of progesterone (P) supplementation from the mid-luteal phase in women not attaining a mid-luteal homogeneous hyperechogenic (HH) pattern with sonography improves pregnancy rates (PRs) following frozen embryo transfer (ET). *Clin Exp Obst Gyn* 2010;37:13-14.
424. Check JH, Wilson C, Choe JK, Amui J, Katsoff B: A comparison of pregnancy rates following fresh and frozen embryo transfer according to the use of leuprolide acetate vs. ganirelix vs. cetrorelix. *Clin Exp Obst Gyn* 2010;37:105-107.
425. Summers-Chase D, Check JH, Horwath D, Yuan W, Swenson K, Press M: Cryopreservation of blastocysts using a modification of a simplified freezing protocol with a one step removal of cryoprotectant successfully used previously to freeze 2 pronuclear or multi-cell embryos. *Clin Exp Obst Gyn* 2010;37:99.
426. Check JH, Katsoff B, Brasile D, Wilson C, Summers-Chase D: A comparison of pregnancy outcome following frozen embryo transfer (ET) in a gestational carrier program according to source of the oocytes. *Clin Exp Obst Gyn* 2011;38:26-27.
649. Check JH, Katsoff B, Wilson C, Choe JK, Brasile D: Pregnancy outcome following fresh vs. frozen embryo transfer into gestational carriers using a simplified slow freeze protocol. *Clin Exp Obst Gyn* 2012;39:23-24.
653. Check JH: Refreezing of embryos. *Assisted Reproduction Techniques. Challenges and Management Options*. Eds. Sharif K, Coomarasamy A. Wiley-Blackwell, 2012, chapter 74, pgs. 317-319.
654. Check J, Dix E, Check D, Summers-Chase D, Horwath D: Pregnancy rates following frozen embryo transfer (ET) in women failing to conceive despite fresh ET in women using low dosage follicle stimulating hormone (FSH) protocol for follicular maturation of several eggs. *Clin Exp Obst Gyn* 2012;39:139-140.

659. Check JH, Choe JK, Brasile D, Cohen R, Horwath D: Comparison of pregnancy rates following frozen embryo transfer according to the reason for freezing: risk of ovarian hyperstimulation vs. inadequate endometrial thickness. *Clin Exp Obst Gyn* 2012;39:434-435.
667. Choe JK, Check JH: An evaluation of a modified slow cool cryopreservation technique and the efficacy of a graduated estradiol regimen vs. natural cycles on pregnancy rates following frozen embryo transfer. In: *International Proceedings of the 16th World Congress on In Vitro Fertilization and 5th World Congress on In Vitro Maturation*, Monduzzi Editore, 81-83, 2011.
677. Check JH, Summers-Chase D, Yuan W, Horwath D, Garberi-Levito MC: Pregnancy rates following the exclusive transfer of twice frozen twice thawed embryos using a modified slow cool cryopreservation technique. *Clin Exp Obst Gyn* 2013;40:20-21.

DONOR EGG/EMBRYO (DEE)

427. Check JH, Nowroozi K, Chase JS, Nazari A, Braithwaite C: Comparison of pregnancy rates following in vitro fertilization-embryo transfer between the donors and recipients in a donor oocyte program. *Journal of Assisted Reproduction and Genetics* 9(3):248-250, 1992.
428. Check JH: Uterine receptivity in subjects with ovarian failure. *Fertil Steril* 55:1208-1209, 1991.
429. Check JH, Nowroozi K, Choe J, Lurie D, Dietterich C: The effect of endometrial thickness and echo pattern on in vitro fertilization outcome in donor oocyte-embryo transfer cycle. *Fertil Steril*, 59:72-75, 1993.
430. Check JH, Nowroozi K, Barnea ER, Shaw KJ, Sauer MV: Successful delivery after age fifty: a report of two cases as a result of oocyte donation. *Obstet Gynecol*, 81:835-836, 1993.
431. Check JH, Nowroozi K, Chase JS, Goldsmith G: Pregnancy rates in donors/recipients using the same pool of oocytes. *ARTA* 3:49-51, 1992.
432. Check JH, Choe J, Hoover L, Hourani CL, Summers DC, Benfer KM: Election to be a donor in a shared oocyte program. *ARTA* 3:63-65, 1992.
433. Check JH, Askari HA, Choe J, Baker A, Adelson H: The effect of the age of the recipients on pregnancy rates following donor-oocyte replacement. *J Assisted Reprod and Genetics* 10:137-140, 1993.
434. Check JH, Hourani C, Choe JK, Callan C, Adelson HG: Pregnancy rates in donors versus recipients according to the serum progesterone level at time of human chorionic gonadotropin in a shared oocyte program. *Fertil Steril* 61:262-264, 1994.
435. Check JH, Askari HA, Fisher C, Vanaman L: The use of a shared donor oocyte program to evaluate the effect of uterine senescence. *Fertil Steril* 61:252-256, 1994.
436. Chase JS, Nazari A, Baker A, Check JH, Choe J: Comparison of pregnancy rates in donors compared with recipients in a shared oocyte program. *Fertility and Sterility Progress in Research and Practice, Proceedings of the XIV World Congress on Fertility and Sterility, Caracas, November 1992, Parthenon Publishing, Section 5, Chapter 51, pgs 481-484, 1994.*
437. Check JH, Nowroozi K, Barnea ER, Shaw KJ, Sauer MV: Due casi di donazione degli ovociti con felice espletamento del parto in soggetti di eta superiore a cinquanta anni. *Your Colleague's Practice Search on Obstetrics and Gynaecology* 2:(5)8-10, 1993.
438. Check JH: The use of the donor oocyte program to evaluate embryo implantation. The

Human Endometrium, Editors Bulletti C, Gurpide E, Flamigni, Annals of the New York Academy of Sciences, 734:198-208,1994.

439. Summers D, Hoover L, Check JH, O'Shaughnessy A: Pregnancy rates (PRs) decrease in oocyte donors but not in their respective recipients especially with advancing age in a shared oocyte program. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 521-523, 1995.
440. Sapoznikov V, Check JH, Nazari A, O'Shaughnessy A: The effect of endometrial and echo pattern on IVF outcome in donor oocyte-embryo transfer cycles. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 643-646, 1995.
441. Check JH, O'Shaughnessy A, Lurie D, Fisher C, Adelson HG: Evaluation of the mechanism for higher pregnancy rates in donor oocyte recipients by comparison of fresh with frozen embryo transfer pregnancy rates in a shared oocyte programme. Hum Reprod 10:3022-3027, 1995.
442. Peymer M, Check JH, Choe J, Fisher C: A study to determine if a shared donor oocyte program adversely affects the pregnancy rates (PRs) of the donors. In: In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 229-234, 1997.
443. Kaplan H, Choe JK, Check JH, Fox F, Perkins S: An oocyte recipient program may be successful even if the source of oocytes is infertile women. In: In Vitro Fertilization and Human Reproductive Genetics, Proceedings of the 11th World Congress on In Vitro Fertilization and Human Reproductive Genetics. Monduzzi Editore. Pgs 375-378, 1999.
444. Perkins S, Check JH, Choe JK, Lurie D, Swenson K: The donation of supernumerary cryopreserved embryos to women in ovarian failure yields excellent pregnancy and implantation rates. In: In Vitro Fertilization and Human Reproductive Genetics, Proceedings of the 11th World Congress on In Vitro Fertilization and Human Reproductive Genetics. Monduzzi Editore. Pgs 357-360, 1999.
445. Check JH, Choe JK, Nazari A, Fox F, Swenson K: Fresh embryo transfer is more effective than frozen ET for donor oocyte recipients but not for donors. Hum Reprod, 16:1403-1408, 2001.
446. Check JH: The shared donor oocyte program: the advantages and insights it provides in determining etiologic factors of infertility. Clin Exp Obst Gyn 29:229-234, 2002.
447. Check JH, Fox F, Deperro D, Davies E, Krotec JW: Efficacy of sharing oocytes from

- compensated donors between two recipients. *Clin Exp Obst Gyn* 2003;30:199-200.
448. Check JH, Fox F, Krotec JW, Davies E, Deperro D: An evaluation of the efficacy of using oocyte donors age 36-39. *Clin Exp Obst Gyn* 2003;30:201-202.
449. Check JH, Wilson C, Krotec JW, Choe JK, Nazari A: The feasibility of embryo donation. *Fertil Steril* 2004;81:452-453.
450. Check JH, Fox F, Choe JK, Krotec JW, Nazari A: Sharing of oocytes from infertile versus paid donors results in similar pregnancy and implantation rates. *Fertil Steril* 2004;81:703-704.
451. Wang W, Check JH: Effect of corporal fibroids on outcome following embryo transfer in donor-oocyte recipients. *Clin Exp Obst Gyn* 2004;31:263-264.
452. Horwath D, Check JH, Choe JK, Summers-Chase D, Krotec JW: Shared donor oocyte system to determine if top embryos can be derived from oocyte factors or more likely from an oocyte/sperm interaction. *Clin Exp Obst Gyn* 2004;31:265-266.
453. Katsoff D, Check JH, Davies E, Choe JK, Amui J: The effect of blastomere number on pregnancy and implantation rates following frozen embryo transfer in donor-oocyte recipients. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 335-338, 2005.
454. Davies E, Katsoff B, Check JH, Fox F, Choe JK: Pregnancy rates in donor egg recipients according to maximum blastomere number. In: *International Proceedings of the 13th World Congress on In Vitro Fertilization and Assisted Reproduction and Genetics*, Monduzzi Editore, Pgs. 115-118, 2005.
455. Katsoff B, Check JH, Fox F, Choe JK, Iacone K: A reassessment of comparative pregnancy and implantation rates following embryo transfer in recipients vs their infertile donors also trying to conceive in the background of performing salpingectomy for hydrosalpinx. *Clin Exp Obst Gyn* 2006;33:143-144.
456. Check JH, Iacone K, Choe JK, Wilson C, Brasile D, Amui J: The effect of source of eggs (infertile donor vs. paid recipient), age of donor, and history of a previous pregnancy on pregnancy and implantation rates in recipients. In: *International Proceedings of the 14th World Congress on In Vitro Fertilization and 3rd World Congress on In Vitro Maturation*, Monduzzi Editore, Pgs. 39-42, 2007.
457. Keenan J, Finger R, Check JH, Daly D, Dodds W, Stoddart R: Favorable pregnancy, delivery, and implantation rates experienced in embryo donation programs in the United States. *Fertil Steril* 2008 Oct;90(4):1077-1080.
458. Check JH: A 59-year-old woman gives birth to twins – when should a fertility specialist

- refuse treatment? Clin Exp Obstet Gynecol 2008;35(2):93-97.
459. Check JH: The shared donor oocyte program: Advantages and insights (Egg recipients sharing oocytes from single donor). In: Donor Egg IVF, Ed. Gautam N. Allahbadia, Jaypee Brothers Medical Publishers (P) LTD., Chapter 16, pgs. 113-117.
 460. Check JH, Dietterich C, Katsoff B, Choe JK, Amui J: Donor-recipient pairs to evaluate the effect of day 3 embryos having at least six blastomeres on pregnancy outcome. Clin Exp Obst Gyn 2009;36(3):143-144.
 461. Wilson C, Check JH, Summers-Chase D, Choe JK, Amui J, Brasile D: The effect of the length of time that donated embryos are frozen on pregnancy outcome. Clin Exp Obst Gyn 2010;37:181-182.
 462. Check JH, Summers-Chase D, Yuan W, Swenson K, Horwath D: Length of time of embryo storage does not negatively influence pregnancy rates after thawing and transfer. Clin Exp Obst Gyn 2010;37:185-186.
 463. Wilson C, Check JH, Amui J, Choe JK, Brasile D: Effect of multiple source vs. single source of donor embryos in pregnancy and implantation rates per transfer. Clin Exp Obst Gyn 2011;38:324-325.
 464. Check JH, Choe JK, Amui J, Brasile D, Jamison T: An evaluation of the importance of late follicular phase endometrial echo patterns and pregnancy outcome following embryo transfer by evaluating infertile donor recipient pairs. Clin Exp Obst Gyn 2011;38:318-319.
 465. Check JH, Katsoff B, Jamison T, Choe JK, Brasile D, Amui J: A novel method to assess the effect of uterine senescence by comparing pregnancy outcome in younger donor vs. older recipients who are sharing a common pool of oocytes. Clin Exp Obst Gyn 2010;37:97-98.
 466. Amui J, Check JH, Cohen R: Successful twin pregnancy in a donor oocyte recipient despite a maximum endometrial thickness in the late proliferative phase of 4mm. Clin Exp Obst Gyn 2011;38:328-329.
 629. Check JH, Jamison T, Check D, Choe JK, Brasile D, Cohen R: Live delivery and implantation rates of donor oocyte recipients in their late forties are similar to younger recipients. J Reprod Med 2011;56:149-152.
 660. Check JH, Wilson C, Jamison T, Choe JK, Cohen R: The sharing of eggs by infertile women who are trying to conceive themselves with an egg recipient for financial advantages does not jeopardize the donor's chance of conceiving. Clin Exp Obst Gyn 2012;39:432-433.
 681. Katsoff B, Check JH, Mitchell-Williams J: Defective oocytes are not a common cause of

unexplained infertility as determined by evaluation of sharing oocytes between infertile donors and recipients. *Clin Exp Obst Gyn* 2013;40:193-195.

724. Check JH, Wilson C, Levine K, Cohen R, Corley D: Improved implantation and live delivered pregnancy rates following transfer of embryos derived from donor oocytes by single injection of leuprolide in mid-luteal phase. *Clin Exp Obst Gyn* 2015;42:429-430.

SEX SELECTION – FAMILY BALANCING (SS)

467. Check JH, Nowroozi K, Cooper SO, Shanis BS, Bollendorf A: Laboratory techniques for human sex preselection. Assisted Human Reproduction Technology (Reproductive Health Technology) Volume I Edited by E.S.E. Hafez, Hemisphere Publishing Corporation. Part 5: Clinical Andrology. Chapter 18 pages 189-200, 1991.
468. Check JH, Shanis BS, Cooper SO, Bollendorf A: Male sex preselection - swim up technique and insemination of women after ovulation induction. Archives of Andrology 23:165-166, 1989.
469. Check JH, Katsoff D: A prospective study to evaluate the efficacy of modified swim-up preparation for male sex selection. Hum Reprod, 8(2):211-214, 1993.
470. Check JH, Kwirenk D, Katsoff D, Press M, Breen E, Baker A: Male:female sex ratio in births resulting from IVF according to swim-up vs Percoll preparation of inseminated sperm. Arch Androl 33:63-65, 1994.
471. Check JH, Katsoff D, Bollendorf A: Letter-to-the-editor - Sex selection - on trial again? Fertil Steril 61:1181, 1994.
472. Hoover L, Shanis B, Summers D, Check JH: Standard sperm separation procedures (swim-up vs Percoll methods) do not alter male-female sex ratio following IVF-ET. In: IX World Congress on In Vitro Fertilization and Assisted Reproduction, International Proceedings Division. eds: Aburumieh A, Bernat E, Dohr G, Feichtinger W, Fischl, Huber J, Muller E, Szalay S, Urdl W, Zech H. Monduzzi Editore. pgs. 769-772, 1995.
473. Check ML, Bollendorf A, Check JH, Hourani W, Long R, McMonagle K: Separation of sperm through a 12-layer Percoll column decreases the percentage of sperm staining with quinacrine. Arch Androl 44:47-50, 2000.
474. Bollendorf A, Duroseau M, Hourani W, Mcmonagle K, Check JH: The efficacy of sperm separation by a 12 layer Isoprep column on X bearing sperm enrichment and subsequent percentage of female births. In: International Proceedings of the 8th International Congress of Andrology, Medimond Editore, Pgs. 71-73, 2005.

REPRODUCTIVE IMMUNOLOGY (RI)

475. Check JH, Nowroozi K, Chase JS, Lauer C, Elkins B, Wu CH: False positive human chorionic gonadotropin levels caused by a heterophile antibody with the immunoradiometric assay. *Am J Ob Gyn* 158(1):99-100, 1988.
476. Check JH, Vaze M, Raikar RS, Nowroozi K, Joshi SG, Epstein R, Vetter B: Late luteal phase progesterone-dependent endometrial protein levels in women with in phase biopsies - Can low levels predict a subfertile group? *Int J Fertil.* 37:350-353, 1992.
477. Check JH, Bollendorf A: The effect of antisperm antibodies on post-coital results and the effect of intrauterine insemination on pregnancy outcome. *Archives of Andrology.* 28:25-31, 1992.
478. Adelson HG, Check JH, Chase JS, Press M: Determination of the clinical significance of antisperm antibodies using an in vivo insemination technique. *Progress in Reproductive Biology and Medicine: Diagnosing Male Infertility New Possibilities and Limits.* Vol 15, pgs 186-193, 1992.
479. Check JH: The role of progesterone in supporting implantation and preventing early pregnancy loss. In: *Implantation and Early Pregnancy in Humans* (eds: Barnea ER, Check JH, Grudzinskas JG, Maruo T). Parthenon Publishing. Chapter 11, pgs 137-160.
480. Barnea ER, Choe JK, Peymer M, Check JH: Effect of serum sperm antibodies in women on embryo quality and pregnancy outcome following IVF: A controlled study. *ARTA* 3:321-325, 1992.
481. Check JH, Bollendorf A, Katsoff D, Kozak J: The frequency of antisperm antibodies in the cervical mucus of women with poor post-coital tests and their effect on pregnancy rates. *Am J Reprod Immunol* 32:38-42, 1994.
482. Katsoff D, Check JH, Bollendorf A, Benfer K: Chymotrypsin-galactose treatment of sperm with antisperm antibodies results in improved pregnancy rates following in vitro fertilization. *Am J Reprod Immunol* 33:149-154, 1995.
483. Check JH, Katsoff D, Bollendorf A, Callan C: The effect of sera antisperm antibodies in the female partner on in vivo and in vitro pregnancy and spontaneous abortion rates. *Am J Reprod Immunol* 33:131-133, 1995.
484. Check JH, Bollendorf A, Askari HA: Evidence for a leukocyte adhesion factor produced by the early embryo. *Am J Reprod Immunol* 34:20-25, 1995.
485. Check JH, Ubelacker L, Lauer CC: Falsely elevated steroidal assay levels related to heterophile antibodies against various animal species. *Gynecol Obstet Invest* 40:139-140, 1995.

486. Check JH, Tarquini P, Gandy P, Lauer C: A randomized study comparing the efficacy of reducing the spontaneous abortion rate following lymphocyte immunotherapy and progesterone treatment versus progesterone alone in primary habitual aborters. *Gynecol Obstet Invest* 39:257-261, 1995.
487. Check JH, Szekeres-Bartho J, O'Shaughnessy A: Progesterone induced blocking factor seen in pregnancy lymphocytes soon after implantation. *Am J Reprod Immunol* 35:277-280, 1996.
488. Katsoff D, Check JH: Letter-to-the-Editor: Trying to make heads or tails out of antisperm antibody data. *Fertil Steril* 65:675-676, 1996.
489. Check JH, Arwitz M, Gross J, Peymer M, Szekeres-Bartho J: Lymphocyte immunotherapy (LI) increases serum levels of progesterone induced blocking factor. *Am J Reprod Immunol*, 37:17-20, 1997.
490. Check JH, Ostrzenski A, Klimek R: Expression of an immunomodulatory protein known as progesterone induced blocking factor (PIBF) does not correlate with first trimester spontaneous abortions in progesterone supplemented women. *Am J Reprod Immunol* 37:330-334, 1997.
491. Check JH, Arwitz M, Gross J, Szekeres-Bartho J, Wu CH: Evidence that the expression of progesterone-induced blocking factor by maternal T-lymphocytes is positively correlated with conception. *Am J Reprod Immunol* 38(1)6-8, 1997.
492. Choe J, Check JH, Kaplan N: Lymphocyte immunotherapy before in vitro fertilization may improve pregnancy rates (PRs) in patients with previous failed cycles. In: *In Vitro Fertilization and Assisted Reproduction, Proceedings of the 10th World Congress of In Vitro Fertilization and Assisted Reproduction*. Eds: Gomel V, Leung PCK. Monduzzi Editore. Pgs 905-908, 1997.
493. Check ML, Check JH, Katsoff D, Summers-Chase D: ICSI as an effective therapy for male factor with antisperm antibodies (ASA). *Arch Androl*, 45:125-130, 2000.
494. Jairaj S, Check JH, Bollendorf A: Do Antisperm antibodies cause functional impairment of the sperm membrane as manifested by a low hypoosmotic swelling test score? *Arch Androl* 44:231-235, 2000.
495. Check JH, Kiefer DG, Lamborne NM: Different immune responses in different parts of the cycle? [letter-to-the-editor]. *Fertil Steril* 75:1044, 2001.
496. Check JH, Choe JK, Ubelacker L, DiAntonio A: Maternal/paternal sharing of DQ-alpha type II histocompatibility antigens not associated with pregnancy outcome following in vitro fertilization (IVF)-embryo transfer (ET). *Clin Exp Obst Gyn* 28:142-143, 2001.
497. Check JH, Szekeres-Bartho J, Nazari P, Katz Y, Check ML: A corpus luteum is not a

- prerequisite for the expression of progesterone induced blocking factor by T-lymphocytes a week after implantation. *J Assist Reprod Genet* 2001;18:603-607.
498. Check JH: Th1 and Th2 cytokine profiles in recurrent aborters may merely reflect the progesterone status. [Letter-to-the-editor]. *Hum Reprod* 2002;17:1669-1670.
 499. Check JH: Present options for treating sperm autoimmunity before proteomic analysis is available. *Hum Reprod* 2003;18:2489-2490.
 500. Check JH, Hourani W, Check ML, Graziano V, Levin E: Effect of treating antibody-coated sperm with chymotrypsin on pregnancy rates following IUI as compared to outcome of IVF/ICSI. *Arch Androl* 2004;50:93-95.
 501. Check JH, Liss JR, Check ML, DiAntonio A, Duroseau M: Lymphocyte immunotherapy can improve pregnancy outcome following embryo transfer (ET) in patients failing to conceive after two previous ET. *Clin Exp Obstet Gynecol* 2005;32:21-22.
 502. Check JH, Levin E, Bollendorf A, Locuniak J: Miscarriage in the first trimester according to the presence or absence of the progesterone-induced blocking factor at three to five weeks from conception in progesterone supplemented women. *Clin Exp Obstet Gynecol* 2005;32:13-14.
 503. Check JH, Liss J, Check ML, Diantonio A, Choe JK, Graziano: Leukocyte immunotherapy improves live delivery rates following embryo transfer in women with at least two previous failures: A retrospective review. *Clin Exp Obst Gyn* 2005;32:85-88.
 504. Check JH, Liss JR, Diantonio A, Check ML, Duroseau M: Matched control study of efficacy of lymphocyte immunotherapy in donor oocyte recipients to support or refute the concept of need for histocompatibility antigen sharing of the couple for benefits. *Clin Exp Obst Gyn* 2005;32:155-157.
 505. Katsoff B, Check JH, Devlin J: Episceleritis as a possible complication of lymphocyte immunotherapy – case report. *Clin Exp Obst Gynecol* 2007;34:247-249.
 506. Check JH: Sperm antibodies and assisted reproduction. Eds. Krause WKH and Naz RK. *Immune Infertility*. Springer Publishing, 2009. Chapter 3.4, pgs. 175-184.
 507. Bollendorf A, Check JH, Wilson C: A Comparison of Pregnancy Rates in Female Partners of Males with Sperm Laden with Antisperm Antibodies Following Intrauterine Insemination (IUI) with Sperm Treated with Chymotrypsin Galactose vs. In Vitro Fertilization (IVF) with Intracytoplasmic Sperm Injection (ICSI). In: *International Proceedings of the 9th International Congress of Andrology*, Medimond Editore, Pgs. 85-88, 2009.
 508. Check JH: Antisperm antibodies and human reproduction. *Clin Exp Obst Gyn* 2010;37:169-174.

MISCARRIAGE AND PREGNANCY COMPLICATIONS (M)

509. Check JH, Wu CH, Adelson HG: Decreased abortions in hMG induced pregnancies with prophylactic progesterone therapy (Progesterone added to hMG to reduce abortions). *Int J Fertil* 30:45-57, 1985.
510. Check JH, Chase JS: Ovarian pregnancy with a contralateral corpus luteum: Case report. *Am J Ob-Gyn* 154:155-156, 1986.
511. Check JH, Chase JS, Rankin A, Teichman M: Abortion risk in patients with ovulatory defects once viability is confirmed sonographically. *Infertility* 8:195-200, 1985.
512. Check JH, Rankin A, Teichman M: The risk of fetal anomalies as a result of progesterone therapy during pregnancy. *Fertil Steril* 45:575-577, 1986.
513. Check JH, Chase JS, Nowroozi K: Spontaneous abortion rate in patients with endometriosis treated with progesterone. *Int J Fertil* 32:366-368, 1987.
514. Chase JS, Check JH, Nowroozi K, Wu CH: First trimester serum hCG beta-subunit levels in a tubal molar pregnancy. *Am J Ob-Gyn* 157(4):910, 1987.
515. Check JH, Chase JS, Nowroozi K, Wu CH, Adelson HG: Progesterone therapy to decrease first-trimester spontaneous abortions in previous aborters. *Int J Fertil* 32:192-193, 197-199, 1987.
516. Check JH, Vaze M, Wu CH: Ineffectiveness of parenteral 17-hydroxyprogesterone caproate. *The Am J Gyn Health* II(1):39-40, 1988.
517. Check JH, Winkel CA, Check ML: Abortion rate in progesterone treated women presenting initially with low first trimester serum progesterone levels. *The Am J Gyn Health* IV(2):63/33-34/64, March-April, 1990.
518. Check JH, Nowroozi K, Vaze M, Wapner R, Seefried L: Very high CA-125 levels during the early first trimester found in three cases spontaneously aborting with chromosome abnormalities. *Am J OB-GYN* 162:674-5, 1990.
519. Check JH, Nowroozi K, Winkel CA, Johnson T, Seefried L: Serum CA-125 levels in early pregnancy and subsequent spontaneous abortion. *Obstet Gynecol* 75(5):742-744, 1990.
520. Check JH, Vaze M, Epstein R, Wu CH, Quattrocchi J, Vetter B: 17-hydroxyprogesterone level as a marker for corpus luteum function in aborters versus non-aborters. *Int J Fertil* 35(2):112-115, 1990.
521. Check JH, Chase JS, Nowroozi K, Epstein R, Vetter B: Pitfalls in the use of a single rapid progesterone assay to diagnose early ectopic pregnancy. *Am J GYN Health*

- 4(5):141-145, 1990.
522. Check JH, Vaze M, Vetter B: Measurement of placental protein 14 (PP14) not helpful in predicting infertility or spontaneous abortion. *Int J Fertil.* 38:34-36, 1993.
 523. Check JH: Letter to the editor: Serum CA-125 levels in early pregnancy and subsequent spontaneous abortion. *OB/GYN* 76:894-895, 1990.
 524. Check JH: Letter to the editor: One case of 45,X abortus with high CA-125 levels. *Am J OB/GYN.* 163:1717, 1990.
 525. Check JH: Letter to the editor: Untreated luteal phase deficiency as another possible risk factor for preterm delivery. *Am J OB/GYN.* 165:485-486, 1991.
 526. Check JH, Chase JS: Discrepancy in B-hCG levels in two separate pregnancies resulting from fertilization of a common pool of oocytes. *Assisted Reproductive Technology/Andrology Supplement III* 111-115, 1991.
 527. Check JH, Chase JS, Nowroozi K, Goldsmith G, Dietterich C: Evidence that differences in sizes of fraternal twins may originate from early gestation - A case report. *Int. J. Fertil.* 37:165-166, 1992.
 528. Nazari A, Check JH, Epstein R, Dietterich C, Farzanfar S: Relationship of small-for-dates sac size to crown-rump length and spontaneous abortion in patients with a known date of ovulation. *Obstet Gynecol* 78(3) 369-373, 1991.
 529. Check JH, Nowroozi K, Vetter B, Rankin A, Dietterich C, Schubert B: The effects of multiple gestation and selective reduction on fetal outcome. *J Perinat Med* 21:299-302, 1993.
 530. Check JH, Chase JS, Adelson HG, Lauer C, Schubert B: A conservative treatment protocol with human menopausal gonadotropins aimed at reducing multiple births. *J Perinat Med* 21:315-319, 1993.
 531. Check JH, Schubert B, Chase JS: Fetal outcome of triplets in a turner mosaic. *J Perinat Med* 21:279-283, 1993.
 532. Check JH, Lee G, Epstein R, Vetter B: Increased rate of pre-term deliveries in untreated women with luteal phase deficiencies - a preliminary report. *Gynecol Obstet Invest* 33:183-184, 1992.
 533. Check JH, Weiss R: Letter to the editor - A critical look at hCG doubling time. *Fertil Steril* 56(6):1204-1206, 1992.
 534. Check JH, Lee G, Nowroozi K, Baker A: Successful delivery of twins in a woman with a unicornuate uterus. *Gynecologic and Obstetric Investigation.* 34:124-125, 1992.

535. Choe JK, Check JH, Nowroozi K, Benveniste R, Barnea ER: Serum progesterone and 17-hydroxyprogesterone in the diagnosis of ectopic pregnancies and the value of progesterone replacement in intrauterine pregnancies when serum progesterone levels are low. *Gynecologic and Obstetric Investigation*. 34:133-138, 1992.
536. Check JH, Lurie D, Davies E, Vetter B: Comparison of first trimester serum estradiol levels in aborters versus nonaborters during maintenance of normal progesterone levels. *Gynecol Obstet Invest*, 34:206-210, 1992.
537. Check JH, Weiss RM, Lurie D: Analysis of serum human chorionic gonadotrophin levels in normal singleton, multiple and abnormal pregnancies. *Hum Reprod* 7:1176-1180, 1992.
538. Check JH, Barnea ER, Shapse DB, Lurie D, Lauer C, Vetter BH: Origin of first trimester 17-hydroxyprogesterone levels as determined in pregnancies by donor oocyte fertilization. *Gynecol. Obstet. Invest.*, 36:136-140, 1993.
539. Barnea ER, Avigdor SA, Boadi WY, Check JH: Effect of xenobiotics on quinone reductase activity in first trimester explants. *Hum Reprod* 8:102-106, 1993.
540. Shurtz-Swirski R, Check JH, Barnea ER: Effect of 1-34 human parathyroid hormone upon first trimester placental human chorionic gonadotrophin secretion in vitro: potentiation by epidermal growth factor. *Hum Reprod* 8:107-111, 1993.
541. Barnea ER, Check JH: Comparative effects of GnRH and cAMP on hCG secretion by placental explants in dynamic and static cultures. *ARTA* 4:55-60, 1992.
542. Barnea ER, Check JH: Comparative role of GnRH in pituitary and placental gonadotropin secretion. *ARTA* 3:385-396, 1992.
543. Barnea ER, Check JH: Diabetic-like conditions modify the endocrine function of the first trimester human placenta in vitro. *ARTA* 4:99-108, 1992.
544. Shurtz-Swirski R, Barnea ER, Korenblum R, Check JH: Effect of maternal cigarette smoking upon placental hCG secretion in vitro. *ARTA* 3:397-403, 1992.
545. Barnea ER, Chase JS, Check JH, Vetter BH: Estradiol deficiency associated with spontaneous abortion even when adequate progesterone levels are maintained. *Fertility and Sterility Progress in Research and Practice, Proceedings of the XIV World Congress on Fertility and Sterility, Caracas, November 1992, Parthenon Publishing, Section 6, Chapter 54, pgs 503-511, 1994.*
546. Hornstein MD, Check JH, Hill JA: Serum CA 125 levels and spontaneous abortion. *Am J Obstet Gynecol* 172 (2):695-699, 1995.
547. Check JH, Vetter BH: A challenge to the concept of tubal reflux to explain the rise and

- fall of CA 125 in serum during the first trimester. *Hum Reprod* 10:674-676, 1995.
548. Peymer M, Check JH: Incidence of infertility: etiology, pregnancy/spontaneous abortion rates according to age of female partner. *ARTA*, 9:79-83, 1997.
549. Dietterich C, Check JH, Lurie D: Comparison of pregnancy outcome of natural twin pregnancies versus multifetal pregnancies selectively reduced to twins. *Clin Exper Obstet Gynecol*, 24(1):17-18, 1997.
550. Kiefer D, Check JH, Katsoff D: Evidence that oligoasthenozoospermia may be an etiologic factor for spontaneous abortion after in vitro fertilization-embryo transfer. *Fertil Steril* 68(3):545-548, 1997.
551. Check JH: Sperm factors and spontaneous abortion after IVF. [letter] *Fertil Steril* 69(3):606, 1998.
552. Katsoff D, Kiefer D, Check M, Check JH: Oligoasthenozoospermia is not associated with spontaneous abortions following in vivo pregnancies contrasting with in vitro fertilization data. *Arch Androl* 43:203-205, 1999.
553. Check ML, Katsoff D, Check JH, Swenson K: A study to determine if limiting the contact of sperm with zona pellucida reduces the rate of spontaneous abortions. *Arch Androl* 44:41-45, 2000.
554. Check JH, Choe JK, Nazari A: Hyperreactio luteinalis despite the absence of a corpus luteum and suppressed serum follicle stimulating concentrations in a triplet pregnancy. *Hum Reprod* 15(5):1043-1045, 2000.
555. Check JH, Liss JR, Katz Y, Shucoski K: Slow rising serial chorionic gonadotropins predict poor pregnancy outcome despite sonographic viability. *Clin Exp Obst Gyn* 2003;30:193-194.
556. Check JH: Recurrent miscarriage and embryonic loss. *Hum Reprod* 2005;20:2035-2036.
557. Choe JK, Check JH, Sansoucie L, Bollendorf A, Duroseau M: The effect of antisperm antibodies on miscarriage rates in pregnancies achieved by sperm coated by autoimmunoglobulins following intracytoplasmic sperm injection. In: *International Proceedings of the 8th International Congress of Andrology*, Medimond Editore, Pgs. 5-7, 2005.
558. Check JH: Debate: Should progesterone supplementation be used? *In: Recurrent Pregnancy Loss causes, controversies and treatment*. Ed. Carp HJA. Taylor and Francis, Boca Raton, FL 2007:89-92, chapter 6a.
559. Choe JK, Check JH, Chern R: Septoplasty allows successful delivery in a primary aborter with six previous first trimester miscarriages. *Clin Exp Obst Gyn* 2009;36(1):15-

- 16.
560. Check JH, Katsoff B, Summers-Chase D, Breitbart J: A case report supporting the concept that some women have a predisposition for maternal meiosis errors resulting in digyny. *Clin Exp Obst Gyn* 2009;36:133-134.
561. Check JH: A practical approach to the prevention of miscarriage: Part 1 – progesterone therapy. *Clin Exp Obst Gyn* 2009;36:203-208.
562. Check JH: A practical approach to the prevention of miscarriage: Part 2 – active immunotherapy. *Clin Exp Obst Gyn* 2010;37:5-9.
563. Cohen R, Check JH: Recurrent aneuploidy – fact of fiction. *Clin Exp Obst Gyn* 2010;37:175-177.
564. Elshoreya H, Steinberg F, Perry R, Hansen C, Milcareck B, Elkouachi S, Check JH: Serum adiponectin levels are significantly reduced during the second half of normal pregnancy. *Clin Exp Obst Gyn* 2011;38:211-213.
565. Check JH: A practical approach to the prevention of miscarriage: part 3 – passive immunotherapy. *Clin Exp Obst Gyn* 2010;37:81-83.
627. Check JH: A practical approach to the prevention of miscarriage: Part 4 – role of infection. *Clin Exp Obst Gyn* 2011;37:252-255.
630. Check JH: A practical approach to the prevention of miscarriage: Part 5 – antiphospholipid syndrome as a cause of spontaneous abortion. *Clin Exp Obst Gyn* 2011;38:5-9.
652. Check JH: The use of heparin for preventing miscarriage. *Am J Reprod Immunol* 2012;67:326-333.
662. Choe JK, Check JH, Jamison T: An evaluation of the confounding effect of sperm abnormalities on pregnancy and implantation rates and miscarriage rates following in vitro fertilization-embryo transfer using sibling oocytes. In: *International Proceedings of the 16th World Congress on In Vitro Fertilization and 5th World Congress on In Vitro Maturation*, Monduzzi Editore, 49-51, 2011.
689. Check JH, Chern R, Katsoff B: Prevention of first-trimester miscarriage with dextroamphetamine sulfate treatment in women with recurrent miscarriage following embryo transfer – case report. *Clin Exp Obstet Gynecol* 2014;40:471-472.
705. Check JH, Chern R, Cohen R: Successful completion of the first trimester despite the inappropriate rate of rise of the serum beta human chorionic gonadotropin levels. *Clin Exp Obstet Gynecol* 2014;41:339-340.

PELVIC PAIN (PP)

566. Check JH, Katsoff B, Citerone T, Bonnes E: A novel highly effective treatment of interstitial cystitis causing chronic pelvic pain of bladder origin: case reports. *Clin Exp Obst Gyn* 2005;32:247-249.
567. Check JH, Wilson C: Dramatic relief of chronic pelvic pain with treatment with sympathomimetic amines – case report. *Clin Exp Obstet Gynecol* 2007;34(1):55-56.
568. Check JH, Katsoff D, Kaplan H, Liss J, Boimel P: A disorder of sympathomimetic amines leading to increased vascular permeability may be the etiologic factor in various treatment refractory health problems in women. *Med Hypothesis* 2008;70(3):671-677.
569. Check JH, Wilson C, Cohen R: A sympathetic nervous system disorder of women that leads to pelvic pain and symptoms of interstitial cystitis may be the cause of severe backache and be very responsive to medical therapy rather than surgery despite the presence of herniated discs. *Clin Exp Obst Gyn* 2011;38:175-176.
631. Check JH: Chronic pelvic pain syndromes – part I surgical therapy. *Clin Exp Obst Gyn* 2011;38:10-13.
633. Check JH, Cohen R: Chronic pelvic pain – traditional and novel therapies: Part II medical therapy. *Clin Exp Obst Gyn* 2011;38:113-118.
684. Check JH, Cohen G, Cohen R, Dipietro J, Steinberg B: Sympathomimetic amines effectively control pain for interstitial cystitis that had not responded to other therapies. *Clin Exp Obst Gyn* 2013;40:227-228.
711. Check JH, Cohen R: The triad of luteal phase ocular migraines, interstitial cystitis, and dyspareunia as a result of sympathetic nervous system hypofunction. 2014;41:575-577.
712. Check JH, Cohen R: Marked improvement of vulvovaginitis of unknown origin in a pediatric patient – case report. *Clin Exp Obst Gyn* 2014;41:723-724.
719. Check JH, Whetstone A: Failed surgical therapy for chronic back pain and sciatica may be due to hypofunction of the sympathetic nervous system. *Clin Exp Obst Gyn* 2015;42:529-530.

REPRODUCTIVE ENDOCRINE DISORDERS (RED)

570. Check JH, Rakoff AE, Goldfarb AF, Slipyan P: Anosmia and hypogonadism associated with elevated LH and multiple congenital anomalies. *Am J OB-GYN*:127:889-891, 1977.
571. Check JH, Goldfarb AF, Rakoff AE, Jackson L: Sexual infantilism related to adrenogenital syndrome in conjunction with a chromosomal defect. *Am J Ob-Gyn*:919-920, 1977.
572. Check JH: Emotional aspects of menstrual dysfunction. *Psychosomatics*:19:178-184, 1978.
573. Check JH, Rakoff AE, Goldfarb AF, King LC: Amenorrhea-galactorrhea associated with the empty sella syndrome. *Am J Ob-Gyn*: 128:688-689, 1977.
574. Check JH, Caro JF, Jackson L, Nowroozi K, Rakoff AE: Clinical mixed gonadal dysgenesis without a Y chromosome. *Am J Ob-Gyn*: 131:346-347, 1978.
575. Check JH, Nowroozi K, Rakoff AE, Logue JG: Detection of an estrogen suppressible lipoid-cell ovarian neoplasm by bilateral ovarian venous sampling. *Am J Ob-Gyn*:133:457-458, 1979.
576. Check JH: Emotions and infertility. *Mind and Medicine*, Vol 6, No 2, Feb, 1979.
577. Check JH, Adelson HG: Amenorrhea-galactorrhea associated with hypothalamic hypothyroidism. *Am J Ob-Gyn* 139:736-737, 1981.
578. Fink PJ, Check JH, Cohen SN, Fishkin RE, Jacobs JA, Weisberg M: Somatic complaints secondary to sexual dysfunction. *Medical Aspects Of Human Sexuality* 15:32f-z, 1981.
579. Check JH, Weisberg M, Laeger J: Sexual infantilism accompanied by congenital absence of the uterus and vagina: Case report. *Am J Ob-Gyn* 145:633-634, 1983.
580. Check JH, Krotec JW: Virilizing congenital adrenal hyperplasia with normal DHEA-sulfate. *Am J Ob-Gyn* 147:972-973, 1983.
581. Check JH: Progesterone therapy for luteal phase deficiency. *Medical aspects of human sexuality* 22(8):88-90, 1988.
582. Check JH, Shanis BS, Stanley C, Chase JS, Nazari A, Wu CH: Case report: Amenorrhea in an ovulatory woman despite a normal uterine cavity: a case report. *Am J Ob-Gyn* 160(3):598-599, 1989.
583. Shanis BS, Check JH: Relative resistance of a macroprolactinoma to bromocriptine therapy during pregnancy. *Gynecol Endocrinol* Apr;10(2):91-4, 1996.

584. Check JH, Katsoff D, Kaplan H: Idiopathic orthostatic cyclic edema as a unique etiology for vasomotor flushing in a normal estrogenic woman with normal day 3 follicle stimulating hormone – case report. *Clin Exp Obst Gyn* 2006;33:125-126.
585. Katsoff B, Check JH: Secondary amenorrhea with normal ovulatory cycles in a young virgin with normal follicle stimulating hormone levels – a case report. *Clin Exp Obstet Gynecol* 2008;35(2):147-148.
586. Check JH, Mitchell-Williams J: Failure to have menses following progesterone withdrawal in a normal estrogenic woman with polycystic ovarian syndrome who menstruates with oral contraceptives – case report. *Clin Exp Obst Gyn* 2009;36(3):141-142.
587. Check JH, Cohen R, Check D: A novel highly effective therapy for severe vasomotor symptoms in an estrogen deficient woman – case report. *Clin Exp Obst Gyn* 2010;37:229-230.
669. Check JH: The interrelationship of sleep, biologic clocks, neurotransmitters, gonadotropins and pubertal development. *Clin Exp Obstt Gyn* 2013;40:7-14.
688. Check JH, Cohen R: Secondary amenorrhea despite normal endometrial development with secretory changes and absence of uterine synechiae – a second case of the endometrial compaction – apoptosis syndrome. *Clin Exp Obst Gyn* 2013;40:473-474.
708. Check JH, Katsoff B: Transient sixth cranial nerve palsy following orgasm abrogated by treatment with sympathomimetic amines. *Clin Exp Obst Gyn* 2014;41:468-470.
716. Check JH, Dowland W: Detection of a microgonadotropinoma by magnetic resonance imaging performed because of excellent response to controlled ovarian hyperstimulation despite elevated day 3 FSH. *Clin Exp Obst Gyn* 2015;42:279-281.
720. Check JH, Cohen R, McCullen K, Mitchell-Williams J: Sexual infantilism in a normal karyotypic female related to ovarian agenesis associated with Mullerian agenesis – case report. *Clin Exp Obst Gyn* 2015;42:535-536.
722. Check JH, Cohen R: An update on the treatment of female alopecia and the introduction of a potential novel therapy. *Clin Exp Obst Gyn* 2015;42:411-415.

MEDICAL ENDOCRINE DISORDERS (MED)

588. Check JH, Rakoff AE, Roy BK: A testosterone secreting adrenal adenoma. *Obstet Gynecol*: 51:465-475, 1978.
589. Caro JF, Meikle AW, Check JH, Cohen SN: Normal suppression to dexamethasone in cushing's disease: An expression of decreased metabolic clearance for dexamethasone. *J Clin Endocrinol Metab*: 47:667-670, 1978.
590. Check JH, Caro JF, Kendell B, Peris LA, Wellenbach BL: Cushing's syndrome in pregnancy: Effect of associated diabetes on fetal survival. *Am J Ob-Gyn*: 133:846, 1979.
591. Check JH: Case report: Improvement of intractable acne in a male following testosterone suppression using danazol. *Cutis* 4:393-394, 1980.
592. Check JH, Avellino J: Painless thyroiditis and transient thyrotoxicosis following graves' disease. *JAMA* 244 (12):1361, 1980.
593. Check JH, Rezvani I, Goodner D, Hopper B: Prenatal treatment of thyrotoxicosis to prevent intrauterine growth retardation. *Obstet Gynecol* 60:122-124, 1982.
594. Barnea ER, Check JH: Parathyroid disorders and altered calcium homeostasis. *Clinical Consultations in Obstetrics and Gynecology* (Ed. AH DeCherney) 4:177-182, 1992.
682. Check JH, Katsoff B: The use of sympathomimetic amines for the treatment of severe constipation refractory to conventional therapy – case report. *Clin Exp Obst Gyn* 2013;40:284-285.
683. Check JH, Cohen R: Dihydrotestosterone may contribute to the development of migraine headaches. *Clin Exp Obst Gyn* 2013;40:217-218.
698. Check JH, Cohen R, Katsoff B: The sympathetic neural hyperalgesia/edema syndrome, a common cause of female pelvic pain, manifesting as a pseudopheochromocytoma with marked clinical improvement with sympathomimetic amines. *Clin Exp Obstet Gynecol* 2014;4:75-77.
714. Check JH, Weidner: The confounding effect of the development of idiopathic orthostatic edema and thyrotoxicosis on weight fluctuation related to effects on free water clearance in a woman with long-standing surgically induced panhypopituitarism and diabetes insipidus. *Clin Exp Obst Gyn* 2015;42:376-377.

MEDICAL DISORDERS (MD)

595. Check JH, King LC, Rakoff AE: Uncomplicated pregnancy following oral contraceptive-induced liver hepatoma. *Obstet Gynecol*: 52:28-29, 1978 (suppl).
596. Check JH, Lublin FD, Mandel MM: Clomiphene as an anticonvulsant drug. *Arch Neurol* 39:784, 1982.
597. Check JH, Gentlesk MJ, Falanga V: Sympathomimetic amines in the treatment of chronic urticaria: Two reports. *Cutis* 34:388-390, 1984.
598. Check JH, Adelson HG, Shanis BS: Idiopathic orthostatic edema as a cryptic cause of the inability to lose weight despite dieting. *Life Science Advances - Experimental and Clinical Endocrinology* 7:195-197, 1988.
599. Leskowitz SC, Shanis BS, Check JH: Resolution of atypical chest pain during treatment for idiopathic orthostatic edema. *Am J Gastroenterology* 85(5):621-622, 1990.
600. Check JH, Shanis BS, Shapse D, Adelson HG: A randomized comparison of the effect of two diuretics, a converting enzyme inhibitor, and a sympathomimetic amine on weight loss in diet-refractory patients. *Endoc Pract* 1:323-326, 1995.
601. Brasile D, Katsoff B, Check JH: Moderate or severe depression is uncommon in women seeking infertility therapy according to the Beck Depression Inventory. *Clin Exp Obst Gyn* 2006;33:16-18.
602. Check JH, Amadi C, Kaplan H, Katsoff D: The treatment of idiopathic edema, a cause of chronic pelvic pain in women: effectively controlled chronic refractory urticaria – case reports. *Clin Exp Obst Gyn* 2006;33:183-184.
603. Boimel P, Check JH, Katsoff D: Sympathomimetic amine therapy may improve refractory gastroparesis similar to its effect on chronic pelvic pain – case report. *Clin Exp Obstet Gynecol* 2007;34:185-187.
604. Boimel P, Check JH: Marked improvement of intractable arthritic pain in a woman with rheumatoid arthritis with sympathomimetic amine treatment despite previous failure with standard therapy and possible implications for last trimester unexplained fetal demise – case report. *Clin Exp Obst Gynecol* 2007;34:254-256.
605. Check JH, Check D, Cohen R: Sympathomimetic amine therapy may markedly improve treatment resistant headaches related to a vascular permeability defect common in women. *Clin Exp Obst Gyn* 2009;36(3):189-191.
606. Check JH, Cohen R, Check D: Idiopathic edema, a condition associated with pelvic pain and other symptoms in women, as a remedial casue of chronic cold induced urticaria. *Clin Exp Obst Gyn* 2010;37:235-236.

607. Check JH, Cohen R: Successful treatment of a female with chronic pseudo-intestinal obstruction with sympathomimetic amines and thyroid hormone replacement. Clin Exp Obst Gyn 2010;37:115-116.
608. Check JH, Katsoff B, Cohen R: A case report showing that a woman with ulcerative colitis refractory to standard therapy responded well to the sympathomimetic amine dextroamphetamine sulfate. Inflamm Bowel Dis 2011;17:870-871..
609. Check JH, Cohen R, Check D: Evidence that migraine headaches in women may be related to a common defect in the sympathetic nervous system as evidenced by marked improvement following treatment with sympathomimetic amines. Clin Exp Obst Gyn 2011;38:180-181.
610. Check JH, Cohen R: Marked improvement of headaches and vasomotor symptoms with sympathomimetic amines in a woman with the sympathetic hyperalgesia-edema syndrome. Clin Exp Obst Gyn 2011;38:88-89.
611. Check JH, Katsoff B, Cohen R: A novel highly effective medical treatment of severe treatment refractory Crohn's disease using sympathomimetic amines – case report. Inflamm Bowel Dis 2010;16:1999-2000.
641. Check JH, Cohen R: Sympathetic neural hyperalgesia edema syndrome, a frequent cause of pelvic pain in women, mistaken for Lyme disease with chronic fatigue. Clin Exp Obst Gyn 2011;38:412-413.
643. Check JH, Cohen R, Katsoff B, Check D: Hypofunction of the sympathetic nervous system is an etiologic factor for a wide variety of chronic treatment-refractory pathologic disorders which all respond to therapy with sympathomimetic amines. Med Hypoth 2011;77:717-725.
694. Check JH, Cohen R: Marked improvement of pain from long term fibromyalgia with dextroamphetamine sulfate in a woman who failed to improve with conventional pharmacologic treatment. Clin Exp Obst Gyn 2014;41:90-92.
695. Check JH, Chan S: Complete eradication of chronic long standing eczema and keratosis pilaris following treatment with dextroamphetamine sulfate. Clin Exp Obstet Gynecol 2014;41:202-204.
696. Check JH, Cohen R: Severe headaches from intracranial hypertension (pseudotumor cerebri) abrogated by treatment with dextroamphetamine sulfate. Clin Exp Obstet Gynecol 2014;41:211-213.
697. Check JH, DiAntonio G, Cohen R: Dextroamphetamine sulfate, a very effective drug for pelvic pain relieved severe retroorbital stabbing pain in a woman with keratoconus who failed to respond to bilateral corneal implants. Clin Exp Obstet Gynecol 2014;41:80-82.

693. Weidner J, Check JH: Marked improvement of the autoimmune syndrome associated with autoimmune hepatitis by treatment with sympathomimetic amines. *Clin Exp Obst Gyn* 2014;41:460-461.
703. Check JH, Cohen R: Sympathomimetic amine therapy found effective for treatment of refractory chronic complex regional pain syndrome (reflex sympathetic dystrophy). *Clin Exp Obst Gyn* 2014;41:478-482.
704. Potestio CP, Check JH, Mitchell-Williams J: Improvement in symptoms of the syndrome of mitochondrial encephalopathy, lactic-acidosis, and stroke-like symptoms (MELAS) following treatment with sympathomimetic amines – possible implications for improving fecundity in women of advanced reproductive age. *Clin Exp Obstet Gynecol* 2014;41:343-345.
717. Check JH: Sympathomimetic amines are a safe, highly effective therapy for several female chronic disorders that do not respond well to conventional therapy. *Clin Exp Obst Gyn* 2015;42:267-278.

CANCER RESEARCH (CR)

612. Check JH, Childs TC, Brady LW, Derasse AR, Fuscaldo KE: Protection against spontaneous mouse mammary adenocarcinoma by inoculation of heat treated syngeneic mammary tumor cells. *Int J Cancer*: 7:403-408, 1971.
613. Check JH, O'Neill EA, Fuscaldo KE: Effect of Anti-B Antiserum on the Phagocytosis Of Escherichia Coli. *Infection and Immunity*: 6:95-96, 1972.
614. Check JH, Damsker JI, Brady LW, O'Neill EA: Effect of radiation therapy on mumps delayed-type hypersensitivity reaction in lymphoma and carcinoma patients. *Cancer*: 32:580-584, 1973.
615. Check JH, Brady LW, Leipold PL, O'Neill EA: Protection against transplanted and spontaneous lymphoma by inoculation of heat-altered syngeneic tumor cells in splenectomized mice. *Cancer*, 34:197-203, 1974.
616. Check JH, Brady LW, O'Neill EA: Differences in the protective effect of complete Freund's adjuvant in spontaneous versus transplanted lymphomas in AKR mice. *Immunology of Cancer. Prog Exp Tumor Res*: 19:217-221, 1974.
617. Check JH, Silverman GA, Dryden RL, Brady LW: Inhibition of spontaneous AKR Leukemia by multiple inoculations of corynebacterium parvum. *Cancer*:44:488-491, 1979.
618. Check JH, Nazari P, Goldberg J, Yuen W, Angotti D: A model for potential tumor immunotherapy based on knowledge of immune mechanisms responsible for spontaneous abortion. *Med Hypoth* 57:337-343, 2001.
619. Check JH, SanSoucie L, Chern J, Amadi N, Srivastava M, Larece K: Evidence that progesterone receptor antagonists may help in the treatment of a variety of cancers by locally suppressing natural killer cell activity. *Clin Exp Obst Gynecol* 2007;34:207-211.
620. Srivastava MD, Thomas A, Srivastava BI, Check JH: Expression and modulation of progesterone induced blocking factor (PIBF) and innate immune factors in human leukemia cell lines by progesterone and mifepristone. *Leuk Lymphoma* 2007;48:1610-1617.
621. Check JH, Dix E, Sansoucie L: Support for the hypothesis that successful immunotherapy of various cancers can be achieved by inhibiting a progesterone associated immunomodulatory protein. *Med Hypoth* 2009;72:87-90.
622. Check JH, Dix E, Sansoucie L, Check D: Mifepristone may halt progression of extensively metastatic human adenocarcinoma of the colon – case report. *Anticancer Res* 2009 May;29(5):1611-1613.

623. Check JH, Sansoucie L, Chern J, Amadi N, Katz Y: Mifepristone treatment improves length and quality of survival of mice with spontaneous leukemia. *Anticancer Res* 2009;29(8):2977-2980.
624. Check JH, Dix E, Cohen R, Check D, Wilson C: Efficacy of the progesterone receptor antagonist mifepristone for palliative therapy of patients with a variety of advanced cancer types. *Anticancer Res* 2010;30:623-628.
625. Check JH, Sansoucie L, Chern J, Dix E: Mifepristone treatment improves length and quality of survival of mice with spontaneous lung cancer. *Anticancer Res* 2010;30:119-122.
626. Check JH, Dix E, Wilson C, Check D: Progesterone receptor antagonist therapy has therapeutic potential even in cancer restricted to males as evidenced from murine testicular and prostate cancer studies. *Anticancer Res* 2010;30:4921-4924.
699. Check JH, Cohen R: The role of progesterone and the progesterone receptor in human reproduction and cancer. *Expert Rev Endocrinol Metab* 2013;8:469-484.
700. Check JH, Wilson C, Cohen R, Sarumi M: Evidence that mifepristone, a progesterone receptor antagonist can cross the blood brain barrier and provide palliative benefits for glioblastoma multiforme grade IV. *Anticancer Res* 2014;34:2385-2388.
701. Check JH, Check D, Cohen R, Sarumi M: Mifepristone causing complete remission of rapidly advancing leukemia with measurement of progesterone-induced blocking factor. *Anticancer Research* 2014;34:2413-2416.
713. Check JH: The importance of the immunomodulatory protein, progesterone-induced blocking factor, in allowing cancer cells to escape immune surveillance and therapeutic considerations. *Anticancer Res* 2014;34:5860-5862.