REFERENCES

- **Abma JC, Chandra A, Mosher WD, Peterson LS and Piccinino LJ (1997):** Fertility, Family planning, and Women's health: new data from the 1995 National Survey of Family Growth. Vital Health Stat 23, 1–114.
- **Aboulgher M, Mansour RT, Serour GI (1998):** Transvaginal ultrasonographic procedures: A possible alternative to operative laparoscopy. Egypt. J. fertile. Steril. 13, 2-9.
- **Adams J, Franks S, Polson DW (1985):** Multifollicular ovaries: clinical and endocrine features and response to pulsatile gonadotrophin releasing hormone. Lancet, ii, 1375–1378.
- **Ahmed Ebbiary NA, Lenton EA and Cooke ID (1994):** Hypothalamic pituitary ageing: progressive increase in FSH and LH concentrations throughout the reproductive cycle in regularly menstruating women. Clin Endocrinol 41, 199–206.
- **Akande VA, Keay SD, Hunt LP, Mathur RS, Jenkins JM and Cahill DJ (2004):** The practical implications of a raised serum FSH and age on the risk of IVF treatment cancellation because of a poor ovarian response. Assist Reprod Genet 21, 257–262.
- **Andolf E, Joregensen C, Svalenius E and Sunden B (1987):** Ultrasound measurement of the ovarian volume. Acta Obstet. Gynecol. Scand. 66, 387–389.
- **Assisted reproductive technology in the United States (2000**): Results generated from the American Society for Reproductive Medicine /Society for Assisted Reproductive Technology Registry. Fertile. Steril. 74, 641-653.

- **Baird DT and Mitchell A (2002):** Hormonal control of folliculogenesis: the key to successful reproduction. Ernst Schering Res Found Workshop 41, 1-9.
- **Baker TG (1963):** A quantitative and cytological study of germ cells in human ovaries. Proc R Soc Lond 158, 417–433.
- **Bancsi LF, Broekmans FJ, Eijkemans MJ, de Jong FH, Habbema JD and te Velde ER (2002):** Predictors of poor ovarian response in in vitro fertilization: a prospective study comparing basal markers of ovarian reserve. Fertil. Steril. 77, 328–336.
- **Bancsi LF, Broekmans FJ, Mol BW, Habbema JD and te Velde ER (2003):** Performance of basal follicle-stimulating hormone in the prediction of poor ovarian response and failure to become pregnant after in vitro fertilization: a meta-analysis. Fertil. Steril. 79, 1091–1100.
- **Bancsi LF, Huijs AM, Den Ouden CT, Broekmans FJ, Looman CW, Blankenstein MA and te Velde ER (2000):** Basal follicle-stimulating hormone levels are of limited value in predicting ongoing pregnancy rates after in vitro fertilization. Fertil. Steril. 73, 552–557.
- **Bancsi LFJM, Broekmans FJM, Looman CW, Habbema JDF and te Velde ER (2004):** Impact of repeated antral follicle counts on the prediction of poor ovarian response in women undergoing in vitro fertilization. Fertil. Steril. 81, 35–41.
- **Barroso G, Oehninger S, Monzo A, Kolm P, Gibbons WE, Muasher SJ (2001):** High FSH: LH ratio and low LH levels in basal cycle day 3: impact on follicular development and IVF outcome. J Assist Reprod Genet 18, 499-505.
- **Beckers NG, Laven JS, Eijkemans MJ, Fauser BC (2000):** Follicular and luteal phase characteristics following early cessation of gonadotropin

releasing hormone agonist during ovarian stimulation for in-vitro fertilization. Hum Reprod 15, 43-49.

- **Beloosesky R, Kol S, Lightman A, Itskovitz-Eldor J (2000):** Ovarian stimulation in in-vitro fertilization with or without the long gonadotropin releasing hormone agonist protocol: effect on cycle duration and outcome. Fertil. Steril. 74, 166-8.
- **Borini A, Prato LD, Trevisi MR, Bonu MA, Sereni E and Flamigni CL (2001):** Effect of reduced dose of triptorelin at the start of ovarian stimulation on the outcome of IVF: a randomized study. Hum Reprod 16, 1409-1414.
- **Brinsden PR (1999):** Oocyte recovery and embryo transfer techniques for in vitro fertilization in Brinseden PR (ed.) H textbook of in vitro fertilization and assisted reproduction, Newyork, London Parthenon publishing 171-184.
- **Broe Kmans FJ, Scheffer GJ, Bancsi LF (1998):** Ovarian reserve tests in infertility practice and normal fertile women. Maturilas. 30, 205-214.
- **Broekman FJ, Kwee J, Hendriks DJ, Mol BW, Lambalk CB (2006):** A systematic review of teasts predicting ovarian reserve and IVF outcome. Hum Reprod 12, 685-718.
- **Buckingham KL, Stone PR, Smith JF and Chamley LW (2006):** Antiphospholipid antibodies in serum and follicular fluid :is there a correlation with IVF implantation failure? Hum Reprod 21, 728-734.
- **Bukulmez O and Arici A (2004):** Assessment of overian reserve. Curr Opin Obestet Gynecol 16, 231-338.
- **Burger HG, Groome NP and Robertson DM (1998):** Both inhibin A and B respond to exogenous follicle-stimulating hormone in the follicular phase of the human menstrual cycle. J. Clin. Endocrinol. Metab. 83, 4167-4169.

- **Chang MY, Chiang CH, Hsieh TT, Soong YK and Hsu KH (1998):** Use of the antral follicle count to predict the outcome of assisted reproductive technologies. Fertil. Steril. 69, 505-510.
- **Change MC (1959):** Fertilization of rabbit ova in vitro. Nature, 184-466.
- **Christensen JT, Boldsen J and Westergaard JG (1997):** Ovarian volume in gynecologically healthy women using no contraception, or using IUD or oral contraception. Acta Obstet Gynecol 76, 784-789.
- **Chuang CC, Chen CD, Chao KH, Chen SU, Ho HN and Yang YS (2003):** Age is a better predictor of pregnancy potential than basal follicle stimulating hormone levels in women undergoing in vitro fertilization. Fertil. Steril. 79, 63–68**.**
- **Cook CL, Siow Y, Taylor S and Fallat ME (2000):** Serum mullerian-inhibiting substance levels during normal menstrual cycles. Fertil. Steril. 73,859–861.
- **Coppola F, Ferrari B, Barusi L, Caccavari V, Salvarani MC, Piantelli G (2005):** Fololicular fluid levels of vascular endothelial growth factor and early corpus luteum function during assested reproductive technology cycles. J Exp Clin Assist Reprod 2, 13-17.
- **Dal Prato L, Borini A, Cattoli M, Bonu MA, Sciajno R, Flamigni C (2002):** Endometrial preparation for frozen-thawed embryo transfer with or without pretreatment with gonadotropin-releasing hormone agonist, Fertil. Steril. 77, 956- 2002.
- **Damario MA, Hammitt DG, Galanits TM, Session DR, Dumesic DA (1999):** Pronuclear stage cryopreservation after intracytoplasmic sperm injection and conventional IVF: implications for timing of the freeze. Fertil Steril. 72, 1049–1054.

- **de Boer EJ, den TI, te Velde ER, Burger CW, Klip H and van Leeuwen FE (2002):** A low number of retrieved oocytes at in vitro fertilization treatment is predictive of early menopause. Fertil. Steril. 77, 978–985.
- **de Jong D, Macklon NS, Fauser BC (2000):** A pilot study involving minimal ovarian stimulation for in-vitro fertilization: extending the follicle stimulating hormone window combined with the gonadotropin-releasing hormone antagonist cetrorelix. Fertil. Steril. 73, 1051-1054.
- **De Koning CH, Popp-Snijders C, Schoemaker J and Lambalk CB (2000):** Elevated FSH concentrations in imminent ovarian failure are associated with higher FSF and LH pulse amplitude, response to GnRH. Hum Reprod 15, 1452-1456.
- **De Vet A, Laven JSE, De Jong FH, Themmen APN and Fauser BCJM (2002):** Anti-Mullerian hormone serum levels: a putative marker for ovarian ageing. Fertil. Steril. 77,357–362.
- **Derman SG and Seifer DB (2003):** In vitro fertilization in the older patient. Curr Womens Health Rep. 3, 375-383.
- **Diedrich K, Diedrich C, Santos E, et al. (1994):** Suppression of the endogenous luteinizing hormone surge by the gonadotropin releasing hormone antagonist cetrorelix during ovarian stimulation. 9, 788-791.
- **Dirnfield M, Fruchter O, Yshai D, Lissak A, Ahdut A, Abramovici H (1999):** Cessation of gonadotropin-releasing hormone analogue (GnRH-a) upon down-regulation versus conventional long GnRH-a protocol in poor responders undergoing invitro fertilization. Fertil. Steril. 72, 406-411.
- **Dumesic DA, Damario MA, Session DR, Famuyide A, Lesnick TG, Thornhill AR and McNeilly AS (2001):** Ovarian morphology and serum

hormone markers as predictors of ovarian follicle recruitment by gonadotrophins for in vitro fertilisation. J. Clin. Endocrinol. Metab. 86, 2538-2543.

- **Durmusoglu F, Elter K, Yoruk P and Erenus M (2004):** Combining cycle day 7 follicle count with the basal antral follicle count improves the prediction of ovarian response. Fertil. Steril. 81, 1073–1078.
- **Edwared RG, Steptoe PC, Purdy JM (1980):** Establishing full-term human pregnancies using cleaving embryos grown in vitro. Br J Obstet Gynecol 87-737.
- **Elder k, and Dale B (2000):** Oocyte retrieval and Embryo culture. In: in vitro fertilization. Elder k, and Dale B. (eds) 2nd edit, Cambridge university press, United Kingdome. p. 151-153.
- **El-Toukhy T, Khalaf Y, Hart R, Taylor A and Brande P (2002):** Young age does not protect against the adverse effects of reduced ovarian reserve. An eight year study. Hum Reprod 17, 1519-1524.
- **Engmann L, Maconochie N, Sladkevicius P, Bekir J, Campbell S, Tan SL (1999):** The outcome of in vitro fertilization treatment in women with sonographic evidence of polycystic ovarian morphology. Hum Reprod. 14, 167–171.
- **Erdem M, Erdem A, Biberoglu K and Arslan M (2003):** Age-related changes in ovarian volume, antral follicle counts and basal follicle stimulating hormone levels: comparison between fertile and infertile women. Gynecol Endocrinol 17,199-205.
- **Erdem M, Erdem A, Gursoy R and Biberoglu K (2004):** Comparison of basal and clomiphene citrate induced FSH and inhibin B, ovarian volume and

antral follicle counts as ovarian reserve tests and predictors of poor ovarian response in IVF. J Assist Reprod Genet 21, 37–45.

- **ESHRE Capri Workshop Group (2005):** Fertility and aging. Hum Reprod Update 11, 261–276.
- **Esposito MA, Coutifaris C and Barnhart KT (2002):** A moderately elevated day 3 FSH concentration has limited predictive value, especially in younger women. Hum Reprod 17,118–123.
- **Evers JL, Slaats P, Land JA, Dumoulin JC and Dunselman GA (1998):** Elevated levels of basal estradiol-17beta predict poor response in patients with normal basal levels of follicle-stimulating hormone undergoing in vitro fertilization. Fertil. Steril. 69, 1010–1014.
- **Faber B, Mayer J, Cox B (1998):** Cessation of gonadotrophin-releasing hormone agonist therapy combined with high dose gonadotrophin stimulation yields favorable pregnancy result in low responders. Fertile. Steril. 69, 826-830.
- **Faddy MJ and Gosden RG (1995):** A mathematical model of follicle dynamics in the human ovary. Hum Reprod 10,770–775.
- **Faddy, M.J. and Gosden, R.G. (1996):** A model conforming the decline in follicle numbers to the age of the menopause in women. Hum Reprod 11, 1484-1486.
- **Fanchin R, Schonauer LM, Righini C, Guibourdenche J, Frydman R and Taieb J (2003):** Serum anti-Mullerian hormone is more strongly related to ovarian follicular status than serum inhibin B, estradiol, FSH and LH on day 3. Hum Reprod 18,323–327.
- **Fanchin R, Taieb J, Lozano DH, Ducot B, Frydman R and Bouyer J (2005):** High reproducibility of serum anti-Mullerian hormone measurements

suggests a multi-staged follicular secretion and strengthens its role in the assessment of ovarian follicular status. Hum Reprod 20,923–927.

- **Farquhar CM, Birdsall M, Manning P (1994):** The prevalence of polycystic ovaries on ultrasound scanning in a population of randomly selected women. Aust. N.Z. J. Obstet. Gynaecol., 34, 67–72.
- **Fasouliotis SJ, Simon A and Laufer N (2000):** Evaluation and treatment of low responders in assisted reproductive technology: a challenge to meet. J Assist Reprod Genet 17, 357–373.
- **Fauser BC, Devroey p, Yen SS, Gosden R, Crowley WF, Baird DT, Bouchard P (1999):** Minimal ovarian stimulation for IVF: appraisal of potential benefits and drqwbacks. Hum Reprod 14, 2681-2686.
- **Feichtinger W (1993):** Transvaginal oocyte retrieval: In Chervenak FA, Isaacson GC, Cambpell S (eds): Ultrasound in obstetrics and gynecology. Little Brown and Company Boston, Tornto, London, p. 1391.
- **Felberbaum R, Diedrich K (1999):** The use of GnRH antagonists in Shoham Z, Holwles CM and Jacobs H (eds): Female Infertility therapy current practice. Martin Dunitz Ltd. London, P. 203.
- **Ferriman D, Gallwey JD (1961):** Clinical assessment of body hair growth in women. J Clin Endocrinol Metab. 21, 1440 –1447.
- **Forman RG, Frydman R, Egan D, et al. (1990):** Severe ovarian hyperstimulation syndrome using agonist of gonadotropin-releasing hormone for in vitro fertilization. European series and a proposal for prevention. Fertil. Steril. 53, 502-509
- **Frattarelli JL, Lauria-Costab DF, Miller BT, Bergh PA and Scott RT (2000):** Basal antral follicle number and mean ovarian diameter predict cycle

cancellation and ovarian responsiveness in assisted reproductive technology cycles. Fertil. Steril. 74,512–517.

- **Frattarelli JL, Lauria-Costab DF, Miller BT, Bergh PA, Scott RT (2001):** Basal antral follicle number and mean ovarian diameter predict cycle cancellation and ovarian responsiveness in assested reproductive technology cycles. Fertil Steril 75, 834-839.
- **Frattarelli JL, Levi AJ, Miller BT and Segars JH (2003):** A prospective assessment of the predictive value of basal antral follicles in in vitro fertilization cycles. Fertil. Steril. 80, 350–355.
- **Freedman R, Cornel C and De Ziegler D (1991):** Prevention of premature lutinizing hormone and progesterone rise with a GnRH antagonist Nal-Gla in controlled ovarian Hyperstimulation. Fertil. Steril. 56, 223-227.
- **Fried G, Remaeus K, Harlin J, Krog E, Csemiczky G and Aanesen A (2003):** Inhibin B predicts oocyt number and the ratio IGF-I/IGFBP-1 may indicate oocyt quality during ovarian hyperstimulation for in vitro fertilization. J Assist Reprod Genet 20, 167-176.
- **Garcia JE (1993):** Gonadotropin-releasing hormone and its analogues: applications in gynecology. Clin Obstet Gynecol 36, 719-726.
- **Garcia JE, Jones G S and Acosta AA (1983) :** Human Menopausal gonadotrophin-releasing hormone agonist and human chorionic gonadotropin follicular maturation for oocyte aspiration: phase I and II. Fertil. Steril. 39,167-79.
- **Garcia-Velasco JA, Isaza V, Requena a, Martinez-Salazer FJ, Landazabal A, Remohi J, Pellicer A and Simon C (2000):** High dose of gonadotrophins combind with stop versus non-stop protocol of GnRH

analogue administration in low responder IVF patients: a prospective, randomized, controlled trial. Hum Reprod 15, 2292-2296.

- **Geva TL, Caldcron I and Madachlan V (2000):** Endocrinology of IVF In: In Vilro Ferlilization, Trorumson, A.D., Gardncr, D.K., 2nd edit, CRC press. London, New York. 35-66.
- **Gougeon A (1996):** Regulation of ovarian follicular development in primates: facts and hypotheses. Endocr Rev 17, 121–155.
- **Gougeon A, Elochard R and Thalabard JC (1994):** Age-related changes of the population of human ovarian follicles: increase in the disappearance rate on non-growing and early growing follicles in ageing women. Biol Reprod 50, 653–661.
- **Gruijters MJ, Visser JA, Durlinger AL and Themmen AP (2003):** Anti-Mullerian hormone and its role in ovarian function. Mol Cell Endocrinol 211, 85–90.
- **Gulekli B, Bulbul Y, Onvural A, Yorukoglu K, Posaci C, Demir N and Erten O (1999):** Accuracy of ovarian reserve tests. Hum Reprod 14, 2822-2826.
- **Hammadieh N, Afnan M, Papaioannou S and Ola B (2001):** Women with small ovarian volume and microdose GnRH agonist protocol. Hum Reprod 16, 2030-2031.
- **Hansen LM, Batzer FR, Gutmann JN, et al. (1997):** Evaluating ovarian reserve: follicle stimulating hormone and oestradiol variability during cycle days 2-5. Hum Reprod 12, 486-455.
- **Hartman G.G (1929):** How large is the mammalian egg? Q. Rev. Boil, 4, 58h.

- **Heap W (1891):** Preliminary note on the transplantation and growth of mammalian ova within a uterine foster mother. Proc. R. soc. 48-457.
- **Hendriks DJ, Broekmans FJ, Bancsi LF, de Jong FH, Looman CW and te Velde ER (2005a):** Repeated clomiphene citrate challenge testing in the prediction of outcome in IVF: a comparison with basal markers for ovarian reserve. Hum Reprod 20, 163–169.
- **Hendriks DJ, Broekmans FJ, Bancsi LF, Looman CW, de Jong FH and te Velde ER (2005b):** Single and repeated GnRH agonist stimulation tests compared with basal markers of ovarian reserve in the prediction of outcome in IVF. J Assist Reprod Genet 22, 65–73.
- **Hendriks DJ, Mol BW, Bancsi LF, te Velde ER and Broekmans FJ (2005):** Antral follicle count in the prediction of poor ovarian response and pregnancy after in vitro fertilization: a meta-analysis and comparison with basal follicle-stimulating hormone level. Fertil. Steril. 83, 291–301.
- **Hendriks DJ, te Velde ER, Looman CW, Bancsi LF and Broekmans FJ (2005d):** The role of poor response in the prediction of the cumulative ongoing pregnancy rate in in vitro fertilisation. Dynamic and basal ovarian reserve tests for outcome prediction in IVF: comparisons and metaanalyses. Academic Thesis, Utrecht, 162–179.
- **Hofman GE, Scott RT Jr, Horowitz GM, Thie J, Navot D (1995):** Evaluation of the reproductive performance of women with elevated day 10 progesterone levels during ovarian reserve screening. Fertil. Steril. 63, 979-83.
- **Hohmann FP, Macklon NS, Fauser BCJM (2003):** A randomized compareson of two ovarian stimulation protocols with Gonadotropin-Releasing Hormone (GnRH) Antagonist cotreatment for in vitro fertilization

commencing Recombinant Follicle-stimulating Hormone on cycle Day 2 or 5 with the standerd long GnRH agonist protocol. J of clinical Endocrinology& Metabolism 88, 166-173.

- **Howles CM, Macnamee MC and Edwards RG (1986):** Effect of high tonic levels of lutinizing hormone on outcome of in-vitrofertilization. Lancet II: 521.
- **Hugues JN, and Cedrin-Durnerin (1998):** Revising gonadotrophin releasing hormone agonist protocol and management of poor ovarian responses to gonadotrophin. Hum Reprod Update. 8, 83-101.
- **Insler V, Lunenfeld B (1993):** Application of GnRH analogues in the treatment of female infertility. In: GnRH Analogues -The State of The Art. Lunenfeld, B., Insler, V., (eds). Parthenon, New York. p: 37-48.
- **Jaatinen, TA, Penttila TL, Kaipia A, Ekfors T, Parvinen M and Toppari J (1994):** Expression of inhibin alpha, beta A and beta B messenger ribonucleic acids in the normal human ovary and in polycystic ovarian syndrome. J. Endocrinol. 143, 127-137.
- **Jain T, Soules MR and Collins JA (2004):** Comparison of basal follicle stimulating hormone versus the clomiphene citrate challenge test for ovarian reserve screening. Fertil. Steril. 82, 180–185.
- **Jarvela IY, Sladkevicius P, Kelly S, Ojha K, Campbell S and Nargund G (2003):** Quantification of ovarian power Doppler signal with three dimensional ultrasonography to predict response during in vitro fertilization. Obstet Gynecol 102, 816–822.
- **Johnson J, Canning J, Kaneko T, Pru JK and Tilly JL (2004):** Germline stem cells and follicular renewal in the postnatal mammalian ovary. Nature 428, 145–150.

- **Johnson NP, Bagie EM, Coomarasamy A, Bhattacharya S, Shelling AN, Jessop S, Farquhar C, Khan KS (2006):** Ovarian reserve tests for predicting fertility outcomes for assested reproductive technology: The International Systematic Collaboration of Ovarian Reserve Evaluation Protocol for a systematic reviow of ovarian reserve test accuracy. BJOG 113, 1472-1480.
- **Jurema MW, Bracero NJ, Garcia JE (2003):** Fine tuning cycle day 3 hormonal assessment of ovarian reserve improve in vitro fertilization outcome in gonadotropin-releasing hormone antagonist cycle. Fertil Steril 80, 1156-1161.
- **Kahraman S, Vicdan K, Isik AZ, Ozgun OD, Alaybeyoglu L, Polat G and Biberoglu K (1997):** Clomiphene citrate challenge test in the assessment of ovarian reserve before controlled ovarian hyperstimulation for intracytoplasmic sperm injection. Eur J Obstet Gynecol Reprod Biol 73, 177–182.
- **Karanade V, and Gleicher N (1999):** Arational approach to the management of low responders in-in vitro fertilization and management of poor ovarian responses to gonadotrophin Hum Reprod 14, 1744-1748.
- **Khalaf Y and El-T0ukhy T (2003):** Oocytes from younger women with increased serum FSH are superior to those from older women with hypergonadotrophism. Hum Reprod 18, 220-221.
- **Kim SH, Ku SY, Jee BC, Suh CS, Moon SY and Lee JY (2002):** Clinical significance of transvaginal color Doppler ultrasonography of the ovarian artery as a predictor of ovarian response in controlled ovarian hyperstimulation for in vitro fertilization and embryo transfer. J Assist Reprod Genet 19, 103–112.

- **Kirkwood TBL (1998):** Ovarian ageing and the general biology of senescence. Maturitas 30, 105–111.
- **Klein KA, Illingworth PJ, Groome NP et al. (1996):** Decreased inhibin B secretion is associated with monotropic FSH rise in older ovulatory women; a study of serum and follicular fluid levels of climeric inhibin A and B in spontaneous menstrual cycles. J Clin Endocrinol Metab 81, 2742–2745.
- **Kligman I and Rosenwaks Z (2001):** Differentiating clinical profiles: predicting good responders, poor responders, and hyperresponders. Fertil. Steril. 76, 1185-1190.
- **Klinkert ER, Broekmans FJ Looman CW and te Velde ER (2004):** A poor response in the first in vitro fertilization cycle is not necessarily related to a poor prognosis in subsequent cycles. Fertil. Steril. 81, 1247–1253.
- **Klinkert ER, Broekmans FJ, Looman CW, Habbema JD and te Velde ER (2005a):** Expected poor responders on the basis of an antral follicle count do not benefit from a higher starting dose of gonadotrophins in IVF treatment: a randomized controlled trial. Hum Reprod 20, 611–615.
- **Klinkert ER, Broekmans FJ, Looman CW, Habbema JD and te Velde ER (2005b):** The antral follicle count is a better marker than basal folliclestimulating hormone for the selection of older patients with acceptable pregnancy prospects after in vitro fertilization. Fertil. Steril. 83, 811–814.
- **Kort HL, Massey JB, Elsner CW, Toledo AA, Mitchell –Leef D Roudebush WE (2004):** Men with high body mass index values Abstract no. P-355. Fertil. steril. 80 Suppl 3; S238.
- **Krarup T, Pederson T and Faber M (1969):** Regulation of oocyte growth in the mouse ovary. Nature 224, 187–188.

- **Kupesic S, Kurjak A, Bjelos D and Vujisic S (2003):** Three-dimensional ultrasonographic ovarian measurements and in vitro fertilization outcome are related to age. Fertil. Steril. 79,190–197.
- **Kwee J, Elting MW, Schats R, Bezemer PD, Lambalk CB and Schoemaker J (2003):** Comparison of endocrine tests with respect to their predictive value on the outcome of ovarian hyperstimulation in IVF treatment: results of a prospective randomized study. Hum Reprod 18, 1422-1427.
- **Lahlou N, Chabbert-Buffet N, Christin-Maitre S, Le Nestour E, Roger M and Bouchard P (1999):** Main inhibitor of follicle stimulating hormone in the luteal-follicular transition: inhibin A, oestradiol, or inhibin B? Hum Reprod 14, 1190-1193.
- **LaMarca A, DeLeo V, Giulini S, Orvieto R, Malmusi S and Giannella L (2005):** Anti-Mullerian hormone in premenopausal women and after spontaneous or surgical induced menopause. J Soc Gynecol Investig 12, 545-553.
- **Lambalk CB, De Koning CH and Braat DDM (1998):** The endocrinology of dizygotic twinning in the human. Mol Cell Endocrinol 145, 97–102.
- **Lambalk CB, de Koning CH, Flett A, van Kasteren Y, Gosden R and Homburg R (2004):** Assessment of ovarian reserve. Ovarian biopsy is not a valid method for the prediction of ovarian reserve. Hum Reprod 19, 1055-1059.
- **Lambert-Messerlian, G.M., Hall, J.E., Sluss, P.M., Taylor AE, Martin KA, Groome NP, Crowley WFJ and Schneyer AL (1994):** Relatively low levels of dimeric inhibin circulate in men and women with polycystic ovarian

syndrome using a speci®c two-site enzyme-linked immunosorbent assay. J. Clin. Endocrinol. Metab. 79, 45-50.

- **Lass A (2001):** Assessment of ovarian reserve – is there a role for ovarian biopsy? Hum Reprod 16, 1055–1057.
- **Lass A (2004):** Assessment of ovarian reserve: is there still a role for ovarian biopsy in the light of new data? Hum Reprod 19,467–469.
- **Lass A and Brinsden P (1999):** The role of ovarian volume in reproductive medicine. Hum Reprod Update 5,256-266.
- **Lass A, Skull J, McVeigh E, Margara R, Wiston RM (2001)**: Measurement of ovarian volume by transvaginal sonography before ovulation induction with human menoposal gonadotrophin for in vitro fertilization can predict poor response. Hum Reprod 16, 2030-2031.
- **Lass A, Skull J, McVeigh E, Margara R and Winston RM (1997):** Measurement of ovarian volume by transvaginal sonography before ovulation induction with human menopausal gonadotrophin for in-vitro fertilization can predict poor response. Hum Reprod 12, 294-297.
- **Lee SJ, Lenton EA, Sexton L and Cooke ID (1988):** The effect of age on the cyclical patterns of plasma LH, FSH, oestradiol and progesterone in women with regular menstrual cycles. Hum. Reprod. 7, 851–855.
- **Leridon H (1998):** [30 years of contraception in France]. Contracept Fertil Sex 26,435–438.
- **Leridon H (2004):** Can assisted reproduction technology compensate for the natural decline in fertility with age? A model assessment. Hum Reprod 19, 1548–1553.

- **Lockwood G (2004):** The diagnostic value of inhibin in infertility evaluation. Semin Reprod Med 22, 195-208.
- **Loumaye E, Billion JM and Mine JM (1990):** Prediction of individual response to controlled ovarian hyperstimulation by means of a clomiphene citrate challenge test. Fertil Steril 53, 295-301.
- **Lutchman singh K, Davies M, Chatterjee R (2005):** Fertility in female cancer survivors: pathophysiology, preservation and the role of ovarian reserve teasting. Hum Reprod Update 11, 609-689.
- **Macnamee MC, and Brinsden PR (2000):** Superovulation strategies in assisted conception In: In Vitro Fertilization and Assisted Reproduction. Brinsden P.R. (eds) 2nd edit Parthenon, New York, London. PP, 91-102.
- **Macnamee MC, Howles CM and Edwards RG (1989):** Short-term lutinizing hormone-releasing hormone agonist treatmentP: prospective trial of a noval ovarian stimulation regimen for in vitro fertilization. Fertil Steril 52, 964.
- **Marai W, Lakewz (2002):** Pregnancy outcome in the eldery gravida in Addis Ababa. East Afr. Med. J. 79, 34-41.
- **McGee EA and Hsueh AJ (2000):** Initial and cyclic recruitment of ovarian follicles. Endocr Rev 21, 200–214.
- **McGee EA, Perlas E, Lapolt PS, Tsafriri A, Hsueh AJW (1997):** Follicle-stimulating hormone enhances the development of preantral follicles in juvenile rats. Biol Reprod. 57, 990 –998.
- **McIlveen M, Skull JD, Ledger WL (2007):** Evaluation of the utility of multiple endocrine and ultrasound measures of ovarian reserve in the prediction of cycle cancellation in a high-risk IVF population. Hum Reprod 22, 778–785.

- **Moden-Vrtovec H (2004):** Ovarian aging and infertility. Clin. Exp. Obstet.gynecol. 31, 5-8.
- **Moretti C and Toscano V (2003):** Dynamic evaluation of overian reserve and abnormal androgen excess in women. J Endocrinal Invest 26, 114-123.
- **Muasher SJ, Oehninger S and Simonetti S (1988):** The value of basal and/or stimulated serum gonadotropin levels in prediction of stimulation response and in vitro fertilization outcome. Fertil Steril 50, 298-307.
- **Mukherjee T, Copperman AB, Lapinski R, Sandler B, Bustillo M, Grunfeld L (1996):** An elevated day 3 FSH:LH ratio in the presence of normal day 3 FSH predicts a poor response to controlled ovarian hyperstimulation. Fertil Steril 65, 588-593.
- **Muttukrishna S, Suharjono H, McGarrigle H and Sathanandan M (2004):** Inhibin B and anti-Mullerian hormone: markers of ovarian response in IVF/ICSI patients? BJOG 111, 1248–1253.
- **National Collaborating Center for Women's and Children's Health. (2004)**: Assessment and Treatment for People with Fertility Problems. RCOG press, UK.
- **Navot D, Rosenwaks Z, Margalioth EJ (1987):** Prognostic assessment of female fecundity. Lancet 2, 645-652.
- **Ng EH, Tang OS and Ho PC (2000):** The significance of the number of antral follicles prior to stimulation in predicting ovarian responses in an IVF programme. Hum Reprod 15, 1937–1942.
- **Ng EH, Yeung WS, Fong DY, Ho PC (2003):** Effect of age on hormonal and ultrasound markers of ovarian reserve in Chinese women with proven fertility. Hum Reprod 18, 2169-2174.

- **Nikolaou D and Templeton A (2003):** Early ovarian ageing: a hypothesis. Hum Reprod 18, 1137-1139.
- **Nikolaou D and Templeton A (2004):** Early ovarian aging. Eur J Obstet Gynecol Reprod Biol 113, 126-33.
- **Nikolaou D, Gilling-Smith C (2004):** Early ovarian aging: are women with polycystic ovaries protected? Hum Reprod 19, 2175-2184.
- **Nugren KG and Andersen AN (2001):** Assisted reproductive technology in Europe, 1998. Result generated from European registers by ESHER. European Society of Human Reproduction and Embryology. Hum Reprod 16, 2459-2471.
- **Ocal P, Aydin S, Cepni I, Idil S, Idil M and Uzun H (2004):** Follicular fluid concentration of vascular endothelial growth factor, inhibin A and inhibin Bin IVF cycles: are they markers for ovarian response and pregnancy outcome? Eur J Obstet Gynecol Reprod Biol 115, 194-203.
- **Oktay K, Newton H, Mullan J, Gosden RG (1998):** Development of human primordial follicles to antral stages in SCID/hpg mice stimulated with folliclestimulating hormone. Hum Reprod. 13, 1133–1138.
- **Olivennes DL (2002):** LH and GnRH antagonists. J. Gynecol Obstet Biol Reprod. 31, 25-32.
- **Olivennes F, Belaisch-Allart J, Emperaire JC, Dechaud H, Alvarez S, Moreau L, Nicolett B, Zorn JR, Bouchard P, Frydman R (2000)**: Prospective, randomized, controlled study of in vitro fertilization-embryo transfer with a single dose of a lutinizing hormone-releasing hormone (LH RH) antagonist (cetrorelix) or a depot formula of an LH-RH agonist (triptorelin). Fertil Steril 73, 314-320

- **Olivennes F, Franchin R, Bouchord (1996) :** Gonadotropin hormone releasing hormone (GnRH) agonist in-patient pretreatcd with GnRH antagonist. Fertil. Stcril. 66,151-154.
- **Ottolenghi C, Uda M, Hamatani T, Crisponi L, Garcia JE and Ko M (2004):** Aging of oocyte, ovary and human reproduction. Ann N Y Acad Sci 1034, 117-131.
- **Pados G, Tarlatzis BC and Bontis J (1991):** Ovarian stimulation with buserlin / HMG / HCG: prospective study of short versus long protocol in abstract book of the 7thAnnual meeting of the ESHRE, Paris, 28-30 Jun 1991. Hum Reprod 364.
- **Paulson RG, Sauer MV, Lobo A (2003):** Embryo implantation after human in vitro fertilization: Importance of endometrial receptivity. Fertil. Steril. 53, 870-874.
- **Paulson RG, Sauer MV, Rogerio A, Lobo A (1990):** Factors affecting embryo implantation after human in vitro fertiliziton : Ahupothesis . Am J Obstet Gynecol 163, 2020-2023.
- **Pavlik E, DePriest PD, Gallion HH, Ueland FR, Reedy MB, Kryscio RJ and van Nagell JR (2000):** Ovarian volume related to age. Gynecol Oncol. 77, 410-412.
- **Pavlik EJ, Depriest PD, Gallion HH, Ueland FR, Reedy MP, Kryscio RJ, et al. (2000):** Ovarian volume related to age. Gynecol Oncol 77, 410-412.
- **Pellicer A, Ardiles G, Neuspiller F, Remohi J, Simon C, Bonilla-Musoles F (1998):** Evaluation of the ovarian reserve in young low responders with normal basal levels of follicle stimulating hormone using three-dimensional ultrasonography. Fertil. Steril. 70, 671-675.

- **Penarrubia J, Balasch J, Fabregues F, Carmona F, Casamitjana R, Moreno V, Calafell JM and Vanrell JA (2000):** Day 5 inhibin B serum concentrations as predictors of assisted reproductive technology outcome in cycles stimulated with gonadotrophin-releasing hormone agonist gonadotrophin treatment. Hum Reprod 15, 1499–1504.
- **Penarrubia J, Fabregues F, Manau D, Creus M, Casals G, Casamitjana R, Carmona F, Vanrell JA and Balasch J (2005):** Basal and stimulation day 5 anti-Mullerian hormone serum concentrations as predictors of ovarian response and pregnancy in assisted reproductive technology cycles stimulated with gonadotropin-releasing hormone agonist – gonadotropin treatment. Hum Reprod 20, 915–922.
- **Perez MM, Gromoll J, Behre HM, Gassner C, Nieschlag E and Simoni M (2000):** Ovarian response to follicle-stimulating hormone (FSH) stimulation depends on the FSH receptor genotype. J Clin Endocrinol Metab 85, 3365–3369.
- **Peters H (1970):** Migration of gonocytes into the mammalian gonad and their differentiation. Philos Trans R Soc Lond B Biol Sci 259, 91–101.
- **Pillicer A, and Miro F (1990):** Steroidogenesis in vitro of human granulosa lutein eells pretreated in vivo with gonadotropin releasing hormone analogues. Fertil. Steril. 54, 590-596.
- **Popovic CB, Sulovic V, Vucetic D, Pop-Trajkovic Z, Veljkovic M (2003):** Laparoscopic ovarian biopsy and infertility. Srp Arh Celok Lek 131, 389-395.
- **Popovic-Todorovic B, Loft A, Lindhard A, Bangsboll S, Andersson AM and Andersen AN (2003b):** A prospective study of predictive factors of ovarian response in 'standard' IVF/ICSI patients treated with recombinant FSH. A suggestion for a recombinant FSH dosage normogram. Hum Reprod 18, 781–787.

- **Porcu E, fabbri R, Ciotti PM (2000):** Cycles of human oocyte cryopreservation and intracytoblasmic sperm injection : results of 112 cycles Abstract no. O-004. fertile. steril. 72 (3), S2.
- **Porcu E, Fabbri R, Seracchioli R, Ciotti PM, Magrini O, flamigni C (1999):** Birth of a healthy female after intracytoplasmic sperm injection of cryopreserved human oocytes . fertil steril 68, 724-730.
- **Porter RN, Smith W and Craft IL (1984):** Induction of ovulation for in vitro fertilization using buserelin and gonadotropins. Lancet ii: 1284.
- **Ranieri DM and Serhal P (2000):** Ovarian reserve: a simple mathematical problem? Hum Reprod 15, 1423-1427.
- **Ranieri DM, Phophong P, Khadum I, Meo F, Davis C and Serhal P (2001):** Simultaneous evaluation of basal FSH and oestradiol response to GnRH analogue (F-G-test) allows effective drug regimen selection for IVF. Hum Reprod 16, 673–675.
- **Ravhon A, Lavery S, Michael S, Donaldson M, Margara R, Trew G and Winston R (2000):** Dynamic assays of inhibin B and oestradiol Endocrine and biophysical assessment of the ovarian reserve following buserelin acetate administration as predictors of ovarian response in IVF. Hum Reprod 15, 2297-2301.
- **Roberts JE, Spandorfer S, Fasouliotis SJ, Kashyap S and Rosenwaks Z (2005):** Taking a basal follicle-stimulating hormone history is essential before initiating in vitro fertilization. Fertil Steril 83, 37–41.
- **Robertson DM and Burger HG (2002):** Reproductive hormones: ageing and the perimenopause. Acta Obstet Gynecol Scand 81, 612-616.

- **Ron EL R, Golan A and Herman A (1990a):** Midluteal gonadotropin-releasing hormone analog administration in early pregnancy. Fertil. Stril. 35, 572-576.
- **Ron El R, Herman A and Golan A (1990b):** Follicle cyst formation following long-acting gonadotropin-releasing hormone analog administration. Fertil. Stril. 52, 1063-1069.
- **Ron El R, Herman A and Golan A (1990):** Ultra short luteinizing hormone releasing hormone agonist protocol in ovarian hyperstimulation for IVF. Absracts of the 2nd Joint ESCO- ESMRE, Meeting, Milan. 1 14-1 15.
- **Ron-EL R, Herman A and Golan A (1992):** Ultrashort gonadotropin-releasing hormone agonist (GnRH-a): protocol in comparison with long acting GnRH-a protocol and menotropin alone. Fertil. Stril. 58, 1164-1168.
- **Rutherford AJ, Subak-Sharpe RJ and Dawson KJ (1988):** Improvement of in vitro fertilisation after treatment with buserelin, an antagonist of luteinising hormone releasing hormone. Br. Med. J., 296, 1765–1768.
- **Scheffer GJ, Broekmans FJM, Dorland M, Habbema JDF, Looman CWN, te Velde ER (1999):** Antral follicle counts by transvaginal ultrasonography are related to age in women with proven natural fertility. Fertil Steril. 72, 845-851.
- **Scheffer GJ, Broekmans FJM, Looman CWN, Blankenstein M, Fauser BCJM, de Jong FH and te Velde ER (2003):** The number of antral follicles in normal women with proven fertility is the best re¯ection of reproductive age. Hum Reprod 18, 700-706.
- **Schild R L, Knobloch C, Dorn C, Fimmers R, van d V and Hansmann M (2001):** The role of ovarian volume in an in vitro fertilization programme as assessed by 3D ultrasound. Arch Gynecol Obstet 265, 67–72

- **Schild RL, Indefrei D, Eschweiler S, Ven H van der, Fimmers R, Hansmann M (1999):** Three-dimensional endometrial volume calculation and pregnancy rate in an in-vitro fertilization programme. Hum Reprod 14, 1255-1258.
- **Schmidt KL, Ernst E, Byskov AG, Nyboe AA and Yding AC (2003):** Survival of primordial follicles following prolonged transportation of ovarian tissue prior to cryopreservation. Hum Reprod 18, 2654–2659.
- **Scott RT Jr and Hofmann GE (1995):** Prognostic assessment of ovarian reserve [see comments]. Fertil. Steril. 63, 1–11.
- **Scott RT, Leonardi MR, Hofmann GE, Illions EH, Neal GS, Davot D (1993):** A prospective evaluation of clomiphene citrate challenge test screening of the general infertility population. Obstet Gynecol 82, 539-544.
- **Scott RT, Toner JP, Muasher SJ, Oehninger S, Robinson S and Rosenwaks Z (1989):** Follicle-stimulating hormone levels on cycle day 3 are predictive of in vitro fertilization outcome. Fertil Steril 51,651–654.
- **Seifer DB, Scott RT Jr, Bergh PA, Abrogast LK, Friedman CI, Mack CK and Danforth DR (1999):** Women with declining ovarian reserve may demonstrate a decrease in day 3 serum inhibin B before a rise in day 3 folliclestimulating hormones. Fertil. Steril. 72, 63–65.
- **Sharara FI and McClamrock (2001):** Use of micro dose GnRH agonist protocol in women with low overian volumes undergoing IVF. Hum Reprod 16, 2030-2031.
- **Sharara FI and McClamrock HD (1999):** The effect of aging on ovarian volume measurements in infertile women. Obstet Gynecol 94, 57–60.
- **Sharara FI and McClamrock HD (2000):** Antral follicle count and ovarian volume predict IVF outcome. Fertil. Steril. 74, S176.

- **Sharara FI and Scott RT (2004):** Assessment of ovarian reserve. Is there still a role for ovarian biopsy? First do no harm! Hum Reprod 19,470–471.
- **Sharara FI, Scott RT Jr, Seifer DB (1998):** The detection of diminished ovarian reserve in infertile women. Am J Obstet Gynecol 179, 804-812.
- **Sherbaha (2001):** Antral follicle count, resting follicles and ovarian volume, methods to help predict IVF cancellation and response to ovarian stimulation with gonadotropins. Reports of advanced Fertility Center of Chicago 1-6.
- **Shifren JL, Schiff I (2000):** The aging ovary. J Womens Health Gend Based Med 9, 53-60.
- **Singh J, Adams GP, Pierson RA (2003):** Promise of new imaging technologies for assessing ovarian function. Anim Reprod Sci 78, 371-399.
- **Smitz J, Ron-EL R, Tarlatzis BC (1992):** The use of gonadotrophin releasing hormone agonists for in-vitro fertilization and other assisted procreation techniques: experience from three centers. Hum Reprod 7, 49-53.
- **Speroff L, Glass RH, Kase NC (1999):** Clinical endocrinology and infertility (6^{th} edition). William and Wilkins, Philadelphia p782.
- **Stadtmauer L, Vidali A, Lindheim SR, Sauer MV (1998):** Follicular fluid insulin-like growth factor-I and insulin-like growth factor-binding protiein-1 and -3 vary as a function of ovarian reserve and ovarian stimulation. J Assist Reprod Genet 15, 587-593.
- **Steckler T, Wang J, Bartol FF, Roy SK, Padmanabhan V (2005):** Fetal programming: prenatal testosterone treatment causes intrauterine growth retardation, reduces ovarian reserve and increases ovarian follicular recruitment. Endocrinology 146, 3185-3193.

- **Steptoe PC and Edwards (1976):** Reimplantation of human embryo with subsequent tubal pregnancy. Lancet; 1-880.
- **Syrop CH, Dawson JD, Husman KJ, Sparks AET, Van Voorhis BJ. (1999):** Ovarian volume may predict assisted reproductive outcomes better than follicle stimulating hormone concentration on day 3. Hum Reprod. 14, 1752–1756.
- **Takahashi K, Okada M and Ozaki T (1995):** Transvaginal ultrasonographic morphology in polycystic ovarian syndrome. Gynecol. Obstet. Invest., 39, 201–206.
- **te Velde ER and Pearson PL (2002):** The variability of female reproductive aging. Hum Reprod Update 8, 141–154.
- **te Velder ER (1993):** Disappearing ovarian follicles and reproductive aging. Lancet 341, 1125-1121.
- **Templeton A, Morris JK (1998):** Reducing the risk of multiple births by transfer of two embryos after in vitro fertilization, New Engl J Med 339-573.
- **The European and Middle East Orgalutran Study Group (2001):** comparable clinical outcome using the GnRH antagonist ganirelix or a long protocol of the GnRH agonist triptorelin for the prevention of premature LH surges in women undergoing ovarian stimulation. Hum Reprod 16, 644-651.
- **Tinkanen, H., Blauer, M., Laippala, P., Tuohimaa, P. and Kujansuu, E. (1999):** Prognostic factors in controlled ovarian hyperstimulation. Fertil. Steril. 72, 932-936.
- **Tomas C, Nuojua-Huttunen S and Martikainen H (1997):** Pretreatment transvaginal ultrasound examination predicts ovarian responsiveness to gonadotrophins in in-vitro fertilization. Hum Reprod 12, 220-223.

- **Toner JP (2003):** Ovarian reserve, female age and the change for successful pregnancy. Minerva Ginecol 55, 399-406.
- **Toner JP, Philput CB, Jones GS and Muasher SJ (1991):** Basal follicle-stimulating hormone level is a better predictor of in vitro fertilization performance than age. Fertil Steril 55, 784–791.
- **Treloar AE, Boynton BG and Bean BG et al. (1994):** Variation in the menstrual cycle throughout reproductive life. Int J Fertil 12, 77–126.
- **Tummon IS, Henig I and Radwanska E (1992):** Persistent ovarian cysts following administration of human menopausal chorionic gonadotropins: an attenuated form of ovarian hyperstimulation syndrome. Fertil. Strel. 49, 244-249.
- **Valbuena D, Pellicer A and Guanes PP (1997):** Effect of disruption versus continuation of gonadotrophin-releasing agonist after human chorionic gonadotrophin administration on corpus luteum function in patients undergoing ovulation induction for invitro fertilization. Hum Reprod 12, 2118-2122.
- **van Rooij IAJ, Broekmans FJ, te Velde ER, Fauser BCJM, Bancsi LFJMM, de Jong FH and Themmen APN (2002):** Serum anti-Mullerian hormone levels: a novel measure of ovarian reserve. Hum Reprod 17,101-107.
- **van Rooij IAJ, de Jong E, Broekmans FJM, Looman CW, Habbema JDF and te Velde ER (2004):** High follicle-stimulating hormone levels should not necessarily lead to the exclusion of subfertile patients from treatment. Fertil. Steril. 81, 1478–1485.
- **van Rooij IAL, Bancsi LFJMM, Broekmans FJM, Looman CWN, Habberna JDF and te Velde ER (2003):** Women older than 40 years of

age and those with elevated follicle-stimulating hormone levels differ in poor response rate and embryo quality in in vitro fertilisation. Fertil. Steril. 79,482–488.

- **Veld ER and Pearson PL (2002):** The variability of female reproductive aging. Hum Reprod Update 8,141-154.
- **Ventura SJ, Mosher WD, Curtin SC, Abma JC and Henshaw S (2001):** Trends in pregnancy rates for the United States 1976–97: an update. Natl Vital Stat Rep 49, 1–9.
- **Vital VS, Tellez S and Alvaarado I (2000):** Clinical histologic correlation in reproductive pathology. Obstet. Gynecol. 95,583.
- **Vladimirov IaK and Blagoeva V (2003):** Poor ovary response to the controlled ovarian hyperstimulation. Akush Ginekol (Sofiia) 42, 25-33.
- **Wallace WH and Kelsey TW (2004):** Ovarian reserve and reproductive age may be determined from measurement of ovarian volume by transvaginal sonography. Hum Reprod 19, 1612–1617.
- **Wallach EE (1995):** Pitfalls in evaluating the ovarian reserve. Fertil Steril 63, 12-14.
- **Webber LJ, Stubbs S, Stark J, Trew GH, Margara R, Hardy K and Franks S (2003):** Formation and early development of follicles in the polycystic ovary. Lancet 362, 1017–1021.
- **Weenen C, Laven JS, Von Bergh AR, Cranfield M, Groome NP, Visser JA, Kramer P, Fauser BC and Themmen AP (2004):** Anti-Mullerian hormone expression pattern in the human ovary: potential implications for initial and cyclic follicle recruitment. Mol Hum Reprod 10, 77–83.

- **Wikland M (1992):** Vaginal ultrasound in assisted reproduction. Baillieres Clin. Obstet. Gynaecol., 6, 283-296.
- **Yanushpolsky EH, Hurwitz S, Tikh E and Racowsky C (2003):** Predictive usefulness of cycle day 10 follicle-stimulating hormone level in a clomiphene citrate challenge test for in vitro fertilization outcome in women younger than 40 years of age. Fertil. Steril. 80, 111–115.
- **Yong PYK, Baird DT, JooThong K, McNeilly AS, Anderson RA (2003):** Prospective analysis of the relationships between the ovarian follicle cohort and basal FSH concentration, the inhibin response to exogenous FSH and ovarian follicle number at different stages of the normal menstrual cycle and after pituitary down-regulation. Hum Reprod 18, 35-44.
- **Younis JS, Matilsky M, Radin O, Ben-Ami M (2001):** Increased progesterone / estradiol ratio in the late follicular phase could be related to low ovarian reserve in in- vitro fertilization-embryo transfer cycle with a long gonadotropin releasing hormone agonist. Fertil. Steril. 76, 294-303.