



REFERENCES

- Adams, J.; Polson, D.W. and Franks, S. (1986):** Prevalence of polycystic ovaries in women with anovulation and idiopathic hirsutism. *BMJ.*, 293:355-359.
- Adashi, E.Y. (1995):** Ovulation induction: clomiphene citrate. In (Adashi EY, Rock JA, Rosenwaks Z, 1st. eds): *Reproductive, endocrinology Surgery and technology*. Philadelphia: Lippincott-Raven 1196.
- Adashi, E.Y. (1984):** Clomiphene citrate: mechanisms (s) and site (s) of action: a hypothesis revisited. *Fertile Steril* 42:331-344.
- Adashi, E.Y. (1996):** Ovulation induction: Clomiphene citrate. In Adashi EY, Rock JA, Rosenwaks Z (2nd eds): *Reproductive Endocrinology, Surgery/ and Technology*, Philadelphia, Lippincott- Raven, vol 1 Page 1181.
- Agarwal, S.K. and Buyalos, R.P. (1995):** Corpus luteum function and pregnancy rates with clomiphene citrate therapy: comparison of human chorionic gonadotropin-induced versus spontaneous ovulation. *Hum Reprod*; 10: 328-32.
- Ailawadi, R.K.; Jobanputra, S. and Eden, H.F. (2003):** Treatment of endometriosis and chronic pelvic pain with letrozole and norethindrone acetate: a pilot study. *Fertile Steril* 81:290-6.
- Ajossa, S.; Gurriero, S. and Pealethi, A. (2002):** The antiandrogenic effect of Flutamide improves uterine perfusion in women with polycystic ovary syndrome. *Fertile Steril.* 44: 1136-40.



- Akhtar, M.; Njar, V.C.O. and Wright, J.N. (1993):** Mechanistic studies on aromatase and related C-C bond cleaving P-450 enzymes. *J Steroid Biochem Mol Biol* 44:375-387.
- Allem, F.A. and Predanic, M.(1996):** Transvaginal color Doppler determination of the ovarian and uterine blood flow characteristics in polycystic ovarian disease. *Fertil Steril*. 65 (3): 510-516.
- Almahbobi, G.; Anderiesz, C.; Huchinson, P. and Wood, C. (1996):** Functional integrity of granulosa cells from polycystic ovaries. *Clin Endocrinol Oxford* 44 (5): 571.
- Amer, S.A.; Gopalan, V.; Li, T.C.; Ledger, W.L. and Cooke, I.D. (2002):** Long term follow-up of patients with polycystic ovarian syndrome after laparoscopic ovarian drilling clinical outcome. *Hum Reprod* 17, 2035-2042.
- Asuncion, M.; Calvo, R.M.; San Millan, J.L. et al., (2000):** A prospective study of the prevalence of the polycystic ovary syndrome in unselected Caucasian women from Spain. *J Clin Endocrinol Metab*; 85:2434-8.
- Atay, V.; Cam, C.; Muhcu, M.; Cam M. et al., (2006):** A comparison of letrozole and clomiphene citrate in women with polycystic ovaries undergoing ovarian stimulation. *J Int Med Res.*; 34 (1): 73-6.
- Atiomo, W.U.; Bates, S.A. and Condon, J.E. (1998):** plasminogen activator system in women with polycystic ovary syndrome. *Fertil Steril* 69:236-241.



- Aziz, R.; Ehrmann, D.; Legro, R.S.; Whitcomb, R.W.; Hanley, R.; Fereshetian, A.G.; O'Keefe, M. and Ghazzi, M.N. (2001):** Troglitazone improves ovulation and hirsutism in the polycystic ovary syndrome: a multicenter, double blind placebo-controlled trial. *J Clin Endocrinol Metab* 86(4): 1626.
- Azzam, R.; Knochenhauer, E.S. and Key, (1998):** Prevalence of the polycystic ovary syndrome in unselected black and white women of the southeastern United States: a prospective study. *J Clin Endocrinal Metab* 38:3078-3082 (Level 11-3).
- Badawy, A.; AbdelAll, I. and Abulatta, M. (2007):** Clomiphene citrate or letrozole for ovulation induction in women with polycystic ovarian syndrome: a prospective randomized trial. *Fertil Steril*. 18 (Epub ahead of print).
- Badawy, A.; Mosbah, A.; Tharwat, A. and Eid, M. (2008):** Extended letrozole therapy for ovulation induction in clomiphene resistant women with polycystic ovary syndrome: a novel protocol. *Fertil Steril*, 13.
- Balasubramanian, K.; Lavoie, H.A. and Garmey, J.C. (1997):** Regulation of porcine granulosa cell steroidogenic acute regulatory protein (StAR) by insulin-like growth factor I: Synergism with follicle-stimulating hormone or protein kinase A agonist. *Endocrinology*. 138: 433-439.
- Balen, A. and Michelmore, K. (2002):** What is polycystic ovary syndrome? Are national views important? *Hum Reprod*; 17:2219-27.



- Balen, A.H. (1999 a):** Polycystic ovary syndrome: Mode of; treatment. In: Female infertility Therapy current practice. (Shohem. A, Howles, C., Jacobs, H, eds) Martin Dunitz London, P: 45.
- Balen, A.H. (1999b):** Polycystic ovary syndrome: medical or surgical treatment? In: Evidence based fertility treatment. Templeton A, Cooke I and O'Brein PMS editors. RCOG Press. P: 157.
- Balen, A.H. and Jacob, H.S. (2003):** Infertility in practice. Churchill livingstone, 2nd ed; P80-93; 133-167.
- Balen, A.H. and Jacobs, H.S. (1994):** A prospective study comparing unilateral and bilateral laparoscopic ovarian diathermy in women with the polycystic ovary syndrome. Fertil Steril 62: 921. Balcn,
- Balen, A.H.; Con way, G.S. and Kaltsas, G. (1995):** Polycystic ovary syndrome: the spectrum of the disorder in 1741 patients. Hum Reprod, 10: 2705-2712.
- Battaglia, C.; Artini, P.G.; Giulini, S.; Savatori, M.; Maxia, N.; Petraglia, F. and Volp, A. (1997):** Colour Doppler changes and thromboxane production after ovarian stimulation with goadotrophin releasing hormone agonist. Hum Repord 12, 2477-2482.
- Bayar, U.; Basaran, M.; Kiran, S.; Coskun, A. and Gezer, S. (2006):** Use of an aromatase inhibitor in patients with polycystic ovary syndrome: a prospective randomized trial. Fertil Steril, 86(5):1447-51.
- Bayram, N.; Van Wely, M.; Kaaijk, E.; Bossiyyt, P. and Vander Veen, F. (2004):** Using an electrocautety strategy: of recombinant



follicle stimulating, horigone to induce ovulation in polycystic ovary syndrome: A randomized controlled trial. Br Med J 328, 192-196.

Berstein, L.M.; Maskimov, S.I. and Gershfel, Ed (2001): Neoadjuvant use of aromatase inhibitor letrozole .; in uterine cancer: endocrine & clinical effects. Vop Onkol, 47:571-4. English abstract.

Biljan, M.M.; Mahutte, N.G.; Tulandi, T.; Lin, Tan, S. (1999): Prospective randomized double blind trial of the correlation between the time of administration and antiestrogenic effects of clomiphene citrate on reproductive organs. *Fertil Steril*71:644-8.

Biljan, M.M.; Tan, S.L. and Tulandi, T. (2002): Prospective randomized trial comparing the effects of 2.5 and 5.0mg of letrozole on follicular development, endometrial thickness and pregnancy rates in patients undergoing superovulation. *Fertile Steril*; 78:S55.

Birdsall, M.A.; Farquhar, C.M. and White, H.D. (1997): Association between polycystic ovaries and the extent of coronary artery disease in women having cardiac catheterization. *Ann Int Med*; 126: 32-35.

Bisagni, G.; Cocconi, G.; Scaglione, F.; Frascini, F. and Pfister, C. (1996): Letrozole a new oral non-steroidal aromatase inhibitor in treating postmenopausal patients with advanced breast cancer: a pilot study. *Ann Oncol*; 7:99-102.



- Bohlke, K.; Cramer, D.W. and Barbieri, R.L. (1998):** Relation of luteinizing hormone levels to body mass index in premenopausal women. *Fertil Steril*. 69: 500--504.
- Boots, L.R.; Potter, S. and Potter, D. (1998):** Measurement of total serum testosterone levels using commercially available kits: High degree of between- kit variability. *Fertil Steril* 69:286-292.
- Botsis, D.; Kassanos, D.; Pyrgiotis, E. and Zourlas, P.A. (1995):** Sonographic incidence of polycystic ovaries in a gynecological population. *Ultras. Obstet. Gynecol.*, 6(3): 182-185.
- Branigan, M.E. and Estes, A. (1999):** Using oral contraceptives as a treatment for clomid-resistant patients. *Fertil Steril*; 71:544-46.
- Brueggemeier, R.W. (1994):** Aromatase inhibitors: mechanisms of steroidal inhibitors. *Breast Cancer Res Treat*; 30:31-42.
- Bulun, S.E.; Price, T.M.; et al., (1993):** A link between breast cancer and local estrogen biosynthesis suggested by quantification of breast adipose tissue aromatase cytochrome P450 transcripts using competitive polymerase chain reaction after reverse transcription *J Clin Endocrinol Metab*; 77:1622-8.
- Bulun, S.E.; Zeitoun, K.M.; Takayama, K. and Sasano, H. (2000):** Estrogen biosynthesis in endometriosis: molecular basis and clinical relevance. *J Mol Endocrinol*. 25:35-42.
- Buzdar, A. and Howell, A. (2001):** Price TM advances in aromatase inhibition: clinical efficacy and tolerability in the treatment of breast cancer. *Clin Cancer Res*; 7:2620-2635.



- Buzdar, A.; Jonat, W. and Howell, A. (2000):** Anastrozole, a potent & selective aromatase inhibitor, versus megestrol acetate in postmenopausal women with advanced breast cancer.. J Clin Oncol, 14:2000-11.
- Buzdar, A.U.; Jones, S.E.; Vogel, C.L.; Wolter, J.; Plourde, P. and Webster, A. (1997):** A phase III trial comparing anastrozole (1 and 10 milligrams), a potent and selective aromatase inhibitor, with megestrol acetate in postmenopausal women with advanced breast carcinoma. Arimidex Study Group. Cancer; 79:730-739.
- Campo, S. (1998):** Ovulatory cycles, pregnancy outcome and complications after surgical treatment of polycystic ovary syndrome. Obstet Gynecol Surv 53:297.
- Carmina, E. and Lobo, R.A. (1999):** Polycystic ovary syndrome (PCOS): Arguably the most common endocrinopathy is associated with significant morbidity in women. J. Clin. Endocrinol. Metab., 84 (6): 1897-1899.
- Casterlin, S.; Hide, B.; Houserman, V.L.; Long, C.A. and Honea, K.L. (2001):** Evaluation of effect of endometrial thickness on pregnancy outcome with clomiphene citrate induced pregnancy. Fertil Steril: 76: S185-6.
- Ciampelli, M.; Fulghesu, A.M.; Cuinelli, F.; Pavone, V.; Ronsisivalle, E.; Caruso, A. and Lanzone, A. (1999):** Impact of insulin and body mass index in metabolic and endocrine variables in polycystic ovary syndrome. Metabolism, 48 (2): 167- 72.
- Ciofjl, V.J.; Shufcr, A.W. and Zupancic, A.(1996):** role of leptin in hematopoiesis and reproduction. Mat Mcci. 2:585.



- Clamid (clomphene citrate) package insert (2005):** Sanofi- aventis US LIC
- Clank, J.H. and Markavcndi, E.M. (1996):** The agonistic- antagonistic properties of clomiphene: a review, pharmacol ther 15:467.
- Clayton, R.N.; Ogden, V.; Hodgkinson, J.; Worswick, L.; Rodin, D.A.; Dyer, S. and Meade, T.W. (1992):** How common are polycystic ovaries in normal women and what is their significance for the fertility of the population? Clin. Endocrinol, 379:127-134.
- Clement, P.B. (1994):** Anatomy and histology of the ovary in Blaustein pathology of the female genital tract, 4th ed. New york: springer verlag; 597-645.
- Colditz, G.A.; Willctt, J.F.C and Stampfer, M.J. (1990):** Weight as a risk factor for clinical diabetes in women. Am J Epidemiol 132: 501.
- Cole, P.A. and Robinson, C.H. (1990):** Mechanism and inhibition of cytochrome P-450 aromatase. J Med Chem; 33:2933-2944.
- Contort, P.; Baruffi, R. and Coelho, J. (2000):** Power Doppler endometrial evaluation as a method for the prognosis of embryo implantation in an ICSI program J. Assist. Reprod. Genet, 17,329 – 334.
- Conway, G. and Jacobs, H. (1993):** Clinical implications of hyperinsulinemia in women. Clin Endocrinal. 39: 623.
- Costello, M.F. and Eden, J.A. (2005):** A systematic review of the reproductive system effects of metformin in patients with polycystic ovary syndrome. Fertil Steril; 79:1-13.



- Dahlgren, E.; Johansson, S. and Lindstedt, G. (1992):** women with polycystic ovary syndrome wedge resected in 1956 to 1965: A long-term follow-up focusing on natural history and circulating hormones. *Fertil Steril.* 57: 505-513.
- Davis, O.K.; Berkeley, A.S. and Nans, C.J. (1989):** The incidence; of luteal phase defect in normal, fertile women determined by serial endometrial biopsy/ *Fertil Steril.* 51:581-586.
- De Ziegler, D. (2003):** The dawning of the non-cancer uses of aromatase inhibitors in gynaecology, *Hum Reprod*; 18:1598-1602.
- De Ziegler, D.; Brioschi, P.A.; Benchaa, C.; Campana, A.; Bulletti, C. et al., (1999):** Programming ovulation in the menstrual cycle by a simple innovative approach: back to the future of assisted reproduction. *Fertil Steril*; 72:77-82.
- Dicarle, C.; Shoham, Z. and Mac Daugall, J. (1992):** Polycystic ovaries as a relative protective factor for bone mineral loss in young women with amenorrhea,? *Fertil Steril.* 57:314.
- Dickey, R.P.; Olar, T.T.; Taylor, S.N.; Curole, D.N. and Matulich, E.M. (1993):** Relationship of endometrial thickness and pattern to fecundity in ovulation induction cycles: effect of clomiphene citrate alone and with human menopausal gonadotropin. *Fertil Steril.* 59:756-60.
- Dickey, R.P.; Taylor, S.N.; Curole, D.N.D; Rye, P.H. and Lu, P.Y. (1997):** Relationship of clomiphene dose and patient body weight to successful treatment *Hum. Repro.* 12:449-53.



- Donseky, B. W. and Adashi, E.Y. (1995):** Surgically induced ovulation in the polycystic ovary syndrome: wedge resection revisited in the age of laparoscopy. *Fertil Steril*, 63:349.
- Dowsett, M. and Lonning, P.E. (1997):** Anastrozole-a new generation in aromatase inhibition: clinical pharmacology. *Oncology*; 54(suppl 2): 11-14.
- Dowsett, M.; Jones, A.; Johnston, S. ; Jacobs, S.; Trunet, P. and Smith, I. (1995):** In vivo measurement of aromatase inhibition by letrozole in postmenopausal patients with breast cancer. *Clin Cancer Res*, 1:1511-5.
- Dranitsaris, G.; Leung, P.; Mather, J. and Oza, A. (2000):** Cost-utility analysis of second-line hormonal therapy in advanced breast cancer: a comparison of two aromatase inhibitors to megestrol acetate. *Anticancer Drugs*; 11:591-601.
- Dunaif, A. (1997):** Insulin resistance and the polycystic ovary syndrome: mechanism and implication for pathogenesis. *Endocr. Rev* 18:774-800.
- Dunaif, A. (1997):** Insulin resistance and the polycystic ovary syndrome: mechanisms and implications for pathogenesis. *Endocr. Rev.*, 18:774-780.
- Dunaif, A. and Thomas, A. (2001):** Current concepts in the polycystic ovary syndrome: *Ann Rev. Med* 52:401.
- Eden, J.A. (1989):** The polycystic ovary syndrome. *Aust NZJ obstet Gynaecol*. 29 (4): 403-16.



- Ehrmann, D.A. (1999):** Insulin- lowering therapeutic for polycystic ovary syndrome. *Endocrinol Metab Clin North Am* Jun. 28 (2): 423.
- El-Nahas, K.; El-Biely, M.; Jibrel, S. and Said, M. (2006):** Aromatase inhibitor (letrozole) versus clomiphene citrate for ovulation induction in PCOS. *BMJ*, Vol 32 Vol 32 No. 10, 11812-2006.
- El-Nashar, A.B.; Hany, F.; Magdy, D. and Gaghar, A. (2004):** Letrozole induction in clomiphene citrate resistant PCOS (responders and non r esponders), middle east fertility society Journal Vol 9. n-2 2004.
- Elting, M.W.; Korsen, T.J. and Bezemer, P.D. (2001):** Prevalence of diabetes mellitus, hypertension and cardiac complaints in a follow-up study of a Dutch PCOD population. *Hum Reprod*; 16:556-60.
- Escobedo, L.Q. Lee, N.C. and Peterson, H.B. (1991):** Infertility-associated endometrial cancer risk may be limited to specific subgroups of infertile women, *obstet Gyneacol* 77:124.
- ESHRE Capri Workshop, (1997):** Infertility revisited: the state of the art to day and tomorrow. *Hum Beprod.*, 11, 1797-1807.
- Farquhar, C.; Birdsall, Manning, P.; Mitchell, J. and France, J. (1994):** The prevalence of polycystic ovaries on ultrasound scanning in a population of randomly selected women. *Aus. NZ J Obstet Gynaecol*; 34:67.



- Farquhar, C.M.; Birdsall, M. and Manning, P. (1994):** The prevalence of polycystic ovaries on ultrasound scanning in a population of randomly selected women. *Aust NZ J Obstet Gynecol* 34:67.
- Farquhar, C.M.; Williamson, K.; Gudek, G.; Jonson, N.P.; Garland, J. and Sadler, L. (2003):** A randomized controlled trial of laparoscopic ovarian diathermy versus gonadotropin therapy for women with clomiphene citrate resistant polycystic ovary syndrome. *Fertil Steril* 78:404-11.
- Fauser, B.C. and Macklon, N.S. (1999):** Progress in ovarian stimulation. *Ann Endocrinol* Jul. 60 (2): 137-42.
- Fateen, B. and Zaki M. (1999):** Effect of laparoscopic ovarian electrocauterization on serum lipid profile in women with polycystic ovary syndrome. *Sc. J. Az. Med. Fac. (Girls)*, Vol. 20, No.2, May. 587-597.
- Fauser, B.C.J.M.; Pache, T.D.; Lamberts, S.W.J.; Hop, W.C.J.; DeJong, F.H. and Dahl KD (1991):** Serum bioactive and immunoactive luteinizing hormone and follicle stimulation hormone levels in women with cycle abnormalities, with or without polycystic ovarian disease. *J Clin Endocrinol Metab*, 73:4:811-817.
- Felberbaum, R. and Diedrich, K. (1999):** The use of GnRH antagonist in IVF. In: *Female infertility therapy current practice*. (Shohem. A, Howles C., Jacobs. H., eds) Martin Dunitz Ltd London, P: 203.
- Femara (Letrozole) Package insert (2002).** Novartis pharmaceuticals corporation, East Hanover, NJ.



- Fernandez, H.; Alby, J.D.; Gervaise, A.; de Tayrac, R. and Frydman, R. (2001):** Operative transvaginal hydrolaparoscopy for treatment of polycystic ovary syndrome: a new minimally invasive surgery. *Fertile Steril* 75, 607-611
- Filicori, M.; Cognigni, G.E. and Gessa, G. (1999):** Novel approaches to the management of the polycystic ovary syndrome with GnRH agonist In: *Female Infertility therapy current practice.* (Shohem. A, Howles, C., Jacobs. H., eds) Martin Danitz Ltd London, P:69.
- Fischer, S.A.; Reid, R.L.; Van Vugt, D.L. et al., (2002):** A randomized double-blinded comparison of the effects of clomiphene citrate and the aromatase inhibitor letrozole on ovulatory function in normal women. *Fertile Steril*; 78:280-285.
- Fisher, S.A.; Reid, R.L.; Van, Vugt, D.A. and Casper R.F.A. (2002):** Randomized double-blind comparison of the effects of clomiphene citrate and the aromatase inhibitor letrozole on ovulatory function in normal women. *Fertil Steril* 78, 280-285.
- Fluker, M.R.; Wang, I.Y. and Rowe, T.C. (1996):** An extended 10-day course of clomiphene citrate (CC) in women with CC- resistant ovulatory disorders. *Fertil Steril.* 66 (5): 761.
- Franks, J.; Gharani, N.; Waterworth, D.; et al., (1997):** The genetic basis of polycystic ovary syndrome. *Hum. Reprod.*, 12:2641-48.
- Franks, S. (1995):** Polycystic ovary syndrome. *N Engl J Med.* 333:853-61.
- Fritz, M.A.; Holmes, R.T. and Keenan, E.J. (1991):** Effect of clomiphene citrate treatment on endometrial estrogen and



progesterone receptor induction in women. Am J Obstet Gynecol; 165:177-185.

Futterweit, W. (1999): Polycystic ovary syndrome: Clinical perspective and management Obstet. Gynecol Surv., 54 (6): 403.

Garcia, J.; Jones, G.S. and Wentz, A.C. (1977): The use of clomiphene citrate. Fertile Steril; 28:707-717.

Geier, A.; Lunefeld, B.; Pariente, C.; et al., (1987): Estrogen receptor binding material in blood of patients following clomiphene citrate administration: determination by radioreceptor assay. Fertile Steril; 47:778-784.

Geisler, H.; Haynes, B.; Anker, G.; Dowsett, M. and Lonning, P. (2002); Influence of letrozole and anastrozole on total body aromatization and plasma estrogen levels in postmenopausal breast cancer patients evaluated in a randomized, cross-over study. J Clin Oncol; 20:751-757.

Gillett, W.R.; Michell, A. and Hurst, P.R. (1992): A stereological study of the human ovarian surface epithelium. Hum Reprod, 7(4): 446-52.

Gitsch, G.; Hanzale, and Jensen, D. (1998): Endometrial cancer in premenopausal women 45 year and younger, obstet Gynecol; 84:504.

Goldfarb, A.F.; Morales, A.; Rakoff, A.E. and Protos, P. (1986): Critical review of 160 clomiphene-related pregnancies. Obstet Gynecol; 31:342-345.



- Goldhiezer, J.W. and Dizereg, G.S. (1985):** Polycystic ovary disease. In Shearman RP. (ed). Clinical Reproductive endocrinology. Churchill Livingstone- UK.P. 406.
- Gordon, J.D. and Speroff, L. (2002):** Handbook clinical gynecologic endocrinology and infertility. Chapter 26, female infertility. Lippincott Williams & Wilkins Philadelphia, p 431-471.
- Goss, P.E. and Strasser, K. (2001):** Aromatase inhibitors in the treatment and prevention of breast cancer. J. Clin. Oncol., 19:881-894.
- Govind, A.; Obhrai, M.S. and Clayton, R.N. (1999):** Polycystic ovaries are inherited as an autosomal dominant trait: analysis of 29 polycystic ovary syndrome and 10 control families. J. Clin Endocrinol Metab 84 (1): 38.
- Grunwald, K.; Rabe, T. and Runnebaum, B. (200):** Physiology of the menstrual cycle. In manual on assisted reproduction. Rabe T, Diedrich, K, Runnebaum B (Eds). Springer- Verlag Berlin. P: 23.
- Grunwald, K.; Rabe, T. and Runnebaum, B. (2000):** Physiology of the menstrual cycle. In manual on assisted reproduction. Rabe, T.; Diedrich, K.; Runnebaum, B. (Eds.). Springer- Verlage, Berlin, P. 23.
- Gurgan, T. and Urman, B. (1994):** Adhesions after ovarian drilling and intercede. Fertile Steril 62, 424-426.
- Hamilton, A. and Piccart, M. (1999):** The third-generation nonsteroidal aromatase inhibitors: a review of their clinical benefits in the second-line hormonal treatment of advanced breast cancer. Ann Oncol; 10:377-384.



- Hamilton-Fairely D. and Pearce, J. (1993):** Polycystic ovary syndrome in: Asch R. and Studd. J. (Eds). Annual progress in reproductive medicine, 71.
- Hardy, R.I. and Fox, J. (1995):** Infertility Treatment in ryan KF, Berkowitz R, Barbieri, RL (eds) Kistner's Gynecology. Mosby Co. st louis, USA, 305-329.
- Hayes, F.J.; Taylor, A.E.; Martin, K.A. and Hall, J.E. (1998):** Use of gonadotropin-releasing hormone antagonist as a physiologic probe in polycystic ovary syndrome: Assessment of neuroendocrine and androgen dynamics. J. Clin. Endocrinol. Metab., 83:2343.
- Hoeger, K. (2001):** Obesity and weight loss in polycystic ovary syndrome. Obstet Gynecol Clin North Am Mar; 28(1): 85.
- Homburg, R. and Howles, C.M. (1999):** Low-dose FSH therapy of anovulatory infertility associated with polycystic ovary syndrome: rationale, results, reflections and refinements. Hum Reprod Update 5 (5): 493.
- Howell, A. (2001):** Preliminary experience with pure antiestrogens. Clin Cancer Res, 7:4369s-75s.
- <http://en.wikipedia.org/wiki>.**
- Hughersdon, P.E. (1982):** Morphology of the Stein-Leventhal ovary and of so-called "Hyperthecosis". Obstet Gynecol Survey 37:59.
- Hughes, E.; Collins, J. and Vandekerckhove, P. (2000a):** Clomiphene citrate for ovulation induction in women with oligomenorrhea. Cochrane Database syst Rev (2): CD000056.



- Hughes, E.; Collins, J. and Vandekerckhove, P. (2000b):** Gonadotrophin releasing hormone analogue as an adjunct to gonadotropin therapy for clomiphene- resistant polycystic ovarian syndrome Cochrane Database Syst Rev (2): CD000097.
- Hull, M.G.R. (1992):** The causes of infertility and relative effectiveness of treatment int. templeton AA, Drife JO, eds. Infertility. London: Springer-Verlag: 33-62.
- Hung, J.C.; Dawood, My et al., (1996):** Regulation of cyclooxygenase-2 gene in cultured endometrial stromal cells by sex steroids. Proc Am Soc Reprod Me d Meeting S5.
- Hus, C.C.; Kuo, H.C.; Wang, S.T. and Huang, K.E. (1995):** Interference with uterine blood flow by, clomipheme citrate in women with unexplained infertility. Obstet Gynecol; 86: 917-21.
- Imani, B.; Eijkemans, M.J.; Te Velde, E.R.; Habbema, J.D. and Fauser, B.C.(1998):** Predictors of patients remaining anovulatory during clomiphene citrate induction of ovulation in normogonadotropic oligoamenorrheic infertility. J Clin Endocrinol Metab Jul; 83 (7): 2361.
- Insler, V.; Lunenfeld, E. and Lunenfeld, B. (2000):** Ovarian hyperstimulation syndrome. In manual on assisted reproduction. Rabe T, Diedrich K, Runnebaum B (Eds.) Springer- Verlag Berlin. P.; 197.
- Isaacs, J.D.; Lincoln Cr, Cowan, B.D (1997):** Extended clomiphene citrate (cc) and nalterexone for treatment of chronic anovulatoin resistant to cc alone. Fertil Steril. 67:641-3.



- Isaacs, Jr J.D.; Wells, C.S.; Williams, D.B.; Odem, R.R.; Gast, M.J. and Strikler, R.C. (1996):** Endometrial thickness is a valid monitoring parameter in cycles of ovulation induction with menotropins alone. *Fertile Steril*; 65:262-4.
- Jacobs, H.S.; Conway, G.S. and Honour, J.W. (1999):** Heterogeneity of the polycystic ovary syndrome: Clinical, endocrine and ultrasound features in 556 patients. *Clin Endocrinol*. 30:459-470.
- Jakimiuk, A.J.; Weitsman, S.R.; Brzechffa, P.R and Magoffin, D.A. (1998):** Aromatase mRNA expression in individual follicles from polycystic ovaries. *Mol Hum Reprod*; 4:1-8.
- Kaltsas, G.; Balen, A. and Conway, G.S. (1995):** Polycystic ovary syndrome: The spectrum of the disorder in 1741 patients. *Hum reprod*. 8:2107.
- Kamat, A.; Hinshelwood, M.M.; Murry, B.A. and Mendelson, C.R. (2002):** Mechanisms in tissue-specific regulation of estrogen biosynthesis in humans. *Trends Endocrinol Metab*; 133:122-128.
- Kaufmann, M.; Bajetta, E. and Dirix, L.Y. (2000):** Exemestane is superior to megestrol acetate after tamoxifen failure in postmenopausal women with advanced breast cancer: results of a phase III randomized double blind trial. *J Clin Oncol*, 18:1399-411.
- Kazer, R.C. and Yen, S. (1987):** Dependence of mean levels of circulating luteinizing hormone upon pulsatile amplitude and frequency. *J. Clin., Endocrinol. Metab.*, 65:796.



- Kazer, R.R. (1995):** Current concepts in polycystic ovary syndrome. In: Rock JA, Faro S, Gant NF, Horowitz IR, Murphy AA (Eds): Advances in Obstetrics and Gynecology (vol2). Mosby Year Book, Inc. Chicago Illinois. 199-218.
- Kelestimur, F.; Unluhizarchi, K.; Bayram, F.; Sahin, T. and Tutus A. (2000):** Metformin and polycystic ovary syndrome. Clin ENdocrinol 52 (2:244).
- Kelly, A. and Jewelewicz, R. (1990):** Alternate regimens for ovulation induction in polycystic ovarian disease. Fertil Steril 54:195.
- Kettel, L.M.; Roseff, S.J.; Berga, S.L.; Mortola, J.F. and Yen, S.S.C (1993):** Hypothalamic-pituitary-ovarian response to clomipene citrate in women with polycystic ovary syndrome. Fertile Steril; 59: 532-8.
- Kiddy, D.S.; Hamilton-Fairley, D. and Bush, A. (1999):** Improvement in endocrine and ovarian function during dietary treatment of obese women with polycystic ovary syndrome. Clin Endocrinol (OXF) 36:105-111.
- Kistner-R.C. (1986):** The uterine corpus. In: Chicago year Book medical publisher inc.; 158.
- Kjerulff, K.H.; Erickson, B.A. and Langenberg, P.W. (1996):** Chronic gynecological conditions reported by US women: findings from the National Health Information Survey, 1984-1992. Am J Public Health; 86:195-9.
- Knochenhauer, E.S.; Key, T.J.; Kahsar-Miller, M. (1998):** Prevalence of PCOD in unselected black and white women of the



Southeastern United States. A prospective study. J Clin Endocrinol Metab. 83:3078-82.

Kousta, E.; White, D.M. and Franks, S. (1997): Modern use of clomiphene citrate in induction of ovulation. Hum. Reprod. Update; 3:359 -365.

Kousta, E.; White, D.M. and Franks, S. (1997): Modern use of clomiphene citrate in induction of ovulation. Hum Reprod Update 3:359-365.

Kurt, M.; Sara, R.; Marth, L. And Alan, B. (2008): Elevated BMI doesn't adversely affect in vitro fertilization outcome in young women J. Assist. Reprod; 25, 169-175.

Lachein, G. (1995): The polycystic ovary syndrome. Progress in obstet Gynecol; 4:490.

Lamb, H.M. AND Adkins, J.C. (1998): Letrozole, a review of its use in postmenopausal women with advanced breast cancer. Drugs, 56:1125-40.

Le Nestour, E.; Marraoui, J.; Lahlou, N.; et al., (1993): Role of estradiol in the rise of follicle-stimulating hormone levels during the luteal-follicular transition . J Clin Endocrinol Metab; 77:439-442.

Legro, Finegood, D. and Dunaif, A. (2001): A fasting glucose to insulin ratio is a useful measure of insulin sensitivity in woman with PCOS. J Clin Endocrinol Metab 83:2694.

Legro, R.S. (2000): The genetics of obesity lessons for polycystic ovary syndrome. Ann. N.Y. Acad Sci., 900:193-202.



- Leibowitz, S.T. (1994):** Possible role of brain peptides to the development of eating disorders and obesity. *Int J Obes Relat Metab Disord.* 18 (Suppl 2): 85.
- Lewis, V. (2001):** Polycystic ovary syndrome. A diagnostic challenge. In Guzick DS (ed) *Polycystic ovary syndrome.* Obstet Gynecol Clin N Amer. Saunders Co ppl-20.
- Li, T.C.; Warren, M.A.; Murphy, C.; Sargeant, S. and Cooke, I.D. (1992):** A prospective, randomized, cross-over study comparing the effects of clomiphene citrate and cyclofenil on endometrial morphology in the luteal phase of normal fertile women. *Br J Obstet Gynaecol*; 99:1008-1013.
- Lidor, A.L.; Goldenberg, M.; Cohen, S.B.; Seidman, D.S.; Mashlach, S. and Rabinovici, J. (2000):** Management of women with polycystic ovary syndrome who experienced premature luteinization during clomiphene citrate treatment. *Fertil Steril*; 74:749-52.
- Ligibel, J.A. and Winer, E.P. (2003):** Clinical differences among the aromatase inhibitors. *Clin Cancer Res*; 9: 473S-479S.
- Lim, C.E. and Wong, W.S. (2010):** Current evidence of acupuncture on polycystic ovarian syndrome. *Gynecol Endocrinol.* 16 (Epub ahead of print).
- Lin, S.G.; Gu, C.X.; Xu, L.; et al., (1991):** Experience with bromocriptine for the treatment of female infertility due to hyperprolactinemia. *Chin Med J (Engl)*; 104:679-684.



- Lobo, R.A. (1995):** Chronic anovulation and polycystic ovary syndrome. Treatment for infertility. In: Keye, W.R.Jr.; Change, R.J.; Rebar, R.W.; et al., (eds): Infertility: Evaluation and Treatment. Philadelphia, W.B. Saunders, P. 168.
- Lobo, R.A. and Carmina, E. (2000):** The importance of psychological stress in the polycystic ovary syndrome. *Ann Intern Med.* 20; 132 (12):989-93.
- Lobo, R.A.; Gysler, M.; Morch, C.M.; Goebelsman, P. And Michell, D.R JR. (1982):** Clinical and laboratory predictors of clomiphene response. *Fertil. Steril;* 37:168-74.
- Lonning, P.E. (1996):** Aromatase inhibition for breast cancer treatment. *Acta Oncol;* 35(suppl 5):38-43.
- Luis, N.; Andrea, D.; Julio, R. and Gustavo, F. (2007):** Effect of letrozole 2.5mg or 5mg on ovarian stimulation with Gn in women undergoing intrauterine insemination. *Fertil. Steril* 2007 by ASRM.
- Lunefeld, B.; Pariente, C.; Dor, J.; Menashe, Y.; Seppala, M. and Mortman, S. et al., (1991):** Modern aspects of ovulation induction. *Ann N Y Acad Sci;* 626:207-10.
- Lunenfeld, B.; Lunefeld, E. and Insler, V. (2000):** Human gonadotropins. In *Manual on assisted reproduction*. Rabe T, Diedrich K, Runnebaum B (Eds) Springer-Verlag Berlin. P: 79.
- Macklon, N.S. and Fauser, B.C.J.M. (1998):** Ovulation induction: Step-up and step down regimens. In Kempers RD, Cohen, J, Haney, AF, et al (eds). *Fertility and Reproductive Medicine: Proceeding*



of the XVI world Congress on Fertility and Sterility, San Francisco. New York, Elsevier Science BV, pp 529.

Macklon, N.S.; Imani, B. and Fauser, B.C.J. (1999): Optimizing protocols for ovulation induction. In: Female Infertility Therapy. Current practice. (Shohem. A, Howles C., Jacobs. H., eds) Martin Dunitz Ltd London, P:75.

Macleod, A.F.; Wheeler, M.J. and Gordon, P. (1990): Effect of long term inhibition of gonadotropin secretion by the gonadotropin-releasing hormone agonist, buserlin, on sex steroid secretion and ovarian morphology in polycystic ovary syndrome. J Endocrinol 125:317.

Maluf, F.C.; Sabbatini, P.; Schwartz, L.; Xia, J. and Aghajanian, C. (2001): Endometrial stromal sarcoma: objective response to letrozole. Gynecol Oncol, 82:384-8.

Massai, M.R.; de Ziegler, D.; Lesobre, V.; Bergeron, C.; Frydman, R. and Bouchard, P. (1993): Clomiphene citrate affects cervical mucus and endometrial morphology independently of the changes in plasma hormonal levels induced by multiple follicular recruitment. Fertil Steril; 59:1179-86.

Masuzaki, H.; Ogawa, Y.; Satoh, N. and Okazaki, T. (1995): Human obese gene expression. adipocyte specific expression and regional differences in the adipose tissue. Diabetes, 44;855-858.

McClelland, R.A.; Barrow, D.; Madden, T.A.; et al., (2001): Enhanced epidermal growth factor receptor signaling in MCF7 breast cancer cells after long-term culture in the presence of the pure



antiestrogen ICI 182, 780 Faslodex. *Endocrinology*; 142: 2776-2788.

Messinis, I.E. (2002): Clomiphene citrate. In Tarlatzis B (ed.) *Ovulation induction*. Elsevier, Paris; pp:87-97.

Mindray, D.P. 7700 (2008): Shanghai, Intenratinal holding corporation mindary Buliding, high-tech industrial park Nanshan Shenzhen China.

Mitwally, M. and Casper, R.F. (2002a): use of an aromatase inhibitor for induction of ovulation in patients with an inadequate response to clomiphene citrate. *Fertil Steril*,75:305-9.

Mitwally, M.F.; Bilian, M.M. and Casper, R.F. (2005): Pregnancy outcome after the use an aromatase inhibitor for ovarian stimulation *American Journal of obstetrics and gynecology*. 192 (2): 381-386.

Mitwally, M.F.M. and Casper, R.F. (2001b): Aromatase inhibition improves ovarian response to FSH: a potential option for low aromatase inhibitors for ovulation induction. Mitwally& Casper. 75 responders during ovarian stimulation. *Fertil Steril*; 75 (suppl 1): S8-S9.

Mitwally, M.F.M. and Casper, R.F. (2000): The aromatase inhibitor, letrozole, decreases FSH dose required for ovarian superovulation. In: *Proceedings of the 46th Annual Meeting of the Candian Fertility and Andrology Society*; September, Newfoundland, Canada.



- Mitwally, M.F.M. and Casper, R.F. (2001a):** Aromatase inhibition decreases FSH dose needed during controlled ovarian hyperstimulation: a controlled prospective trial. *J Soc Gynecol Investig*; 8: 85A.
- Mitwally, M.F.M. and Casper, R.F. (2001c):** Aromatase inhibition improves response to controlled ovarian hyperstimulation without the antiestrogenic effects of clomiphene citrate (abstract). *Hum Reprod*; 16 (suppl 1): 15, I-034.
- Mitwally, M.F.M. and Casper, R.F. (2002b):** Pregnancy outcome after the use of an aromatase inhibitor for ovarian stimulation. *Fertil Steril*; 78: S277-S278.
- Mitwally, M.F.M. and Casper, R.F. (2002c):** Aromatase inhibition improves ovarian response to follicle-stimulating hormone in poor responders. *Fertile Steril*; 77:776-780.
- Mitwally, M.F.M. and Casper, R.F. (2004):** Aromatase inhibitors in ovulation induction. *Semin Reprod Med.*; 22(1): 61-78.
- Mitwally, M.F.M. and Casper, R.F. (2005):** Single-dose administration of an aromatase inhibitor for ovarian stimulation. *Fertil Steril*; 83:229-31.
- Mitwally, M.F.M.; Greenblatt, E.M. and Casper, R.F. (2001):** Rosiglitazone improves endocrine and reproductive performance in women with polycystic ovary syndrome PCOS who failed to respond to metformin. *Fertil Steril*; 76:S206.
- Moggetti, P.; Castello, R.; Negri, C.; Tosi, F.; Perrone, F.; Cauputo, M.; Zanolin, E. and Muggeo, M. (2000):** Metformin effects on



clinical features, endocrine and metabolic profiles, and insulin sensitivity in polycystic ovary syndrome: a randomized, double-blind placebo-controlled 6-months trial, *J Clin Endocrinol Metab* 85 (1): 139-46.

Mokbel, K. (2002): The evolving role of aromatase inhibitors in breast cancer. *Int J Clin Oncol* 2002 Oct; 7(5): 27-83.

Morales, A.J.; Laughlin, G.A. and Butzow, T. (1996): Insulin, somatotropin and luteinizing hormone axes in lean and obese women with polycystic ovary syndrome: common and distinct features. *J Clin Endocrinol Metab.* 81:2854-2865.

Moran, C. and Azziz, R. (2001): The role of the adrenal cortex in polycystic ovary syndrome. *Obstet Gynecol. Clin North Am* 28 (1): 63-75.

Mosammat, R.; Jannatul, F.; Anowar, B. and Ehsan Q. (2008): Comparison of efficacy of aromatase inhibitor and clomiphene citrate in induction of ovulation in PCOS. *Fertil Steril* 2008 by ASRM. (Epub ahead of print)

Mouridsen, H.; Gershman, M. and Sun, Y. (2001): Superior efficacy of letrozole versus tamoxifen as first-line therapy for postmenopausal women with advanced breast cancer. *Clin Oncol*, 19:2596-606.

Mouridsen, H.; Gershanovich, M.; Sun, Y.; Perez-Carrion, R.; Boni, C.; Monnier, A.; et al., (2001): Superior efficacy of letrozole versus tamoxifen as first-line therapy for postmenopausal women with advanced breast cancer: results of a phase III study of the



international Letrozole Breast Cancer Group. J Clin Oncol; 19:2596-606.

Mullis, P.E.; Yoshinura, N.; Kuhlmann, B.; Lippuner, K.; Jaeger, P. and Harada, H. (1997): Aromatase deficiency in a female who is compound heterozygote for two new point mutations in the P450arom gene: impact of estrogens on hypergonadotropic hypogonadism, multicystic ovaries, and bone densitometry in childhood. J Clin Endocrinol Metab; 82:1739-1745.

Murakawa, H.; Hasegawa, I.; Kurabayashi, T. and Tanaka, K. (1999): Polycystic ovary syndrome. Insulin resistance and ovulatory responses to clomiphene citrate. J Reprod Med 44 (1): 23.

Nader, S. (2008): Ovulation induction in polycystic ovary syndrome. Minerva Ginecol. 60(1):53-61.

Nakamura, Y.; One, M.; Yoshida, Y.; et al., (1997): Effects of clomiphene citrate on the endometrial thickness and echogenic pattern of the endometrium fertile Steril. 67: 256-260.

Navot, D.; Bregh, P.A. and Laufer, N. (1992): Ovarian hyper stimulation syndrome in novel reproductive technologies: prevention and treatment. Fertil Sterile 58:249-53.

Nirmala, P.B. and Thampan, R.V. (1995): Quantification of the rat uterine estrogen receptor: dependence on estradiol. Biochem Biophys Res Commun; 213:24-31.

Noble, L.S.; Simpson, E.R.; Johns, A.; et al., (1996): Aromatase expression in endometriosis. J Clin Endocrinol Metab; 81:174-9.



- Noble, L.S.; Takayama, K.; et al., (1997):** Prostaglandin E2 stimulates aromatase expression in endometriosis-derived stromal cells. *J Clin Endocrinol Metab*; 82:600-6.
- Norman, R.J.; Wu, R. and Stankiewicz, M.T. (2004):** Polycystic ovary syndrome. *MJA*, 180 (2): 132-137.
- Nugent, D.; Vandekerckhove, P.; Hughes, E.; Aront, M. and Lilford, R. (2000):** Gonadotrophin therapy for ovulation induction in sub fertility associated with polycystic ovary syndrome (Cochrane Review). *Cochrane Database Syst Rev*; (4) CD000410.
- Nuijten, M.; Meester, L.; Waible, F. and Wait, S. (1999):** Cost effectiveness of letrozole in the treatment of advanced breast cancer in postmenopausal women in the UK. *Pharmacoeconomics* 16:379-97.
- Olive, D.L. and Schwartz, L.B. (1993):** Endometriosis. *N Engl J Med*; 328:1759-69.
- Oliveira, J.B.; Baruffi, R.L.; Mauri, A.L.; Petersen, C.G.; Borges, M.c. and Franco, J.G. (1997):** Endometrial ultrasonography as a predictor of pregnancy in an in-vitro fertilization program after ovarian stimulation and gonadotrophin-releasing hormone and gonadotrophins. *Hum Reprod*; 12:2515-8.
- Opsahl, M.S.; Robins, E.D.; O'Connor, D.M. et al., (1996):** Characteristics of gonadotropin response, follicular development, and endometrial growth and maturation across consecutive cycles of clomiphene citrate treatment. *Fertil Steril*; 66:533-9.



- Podrouzek, P. and Mardesic, T. (2000):*** Polycystic ovary syndrome as a multisystemic endocrinopathy. Ceska, Gyneckol. 65 (4:260-8).
- Palter, S.F.; Tavares, A.B.; Hourvitz, A.; Veldhuis, J.D. and Adashi, E.Y. (2001):*** Are estrogens of import to primate human ovarian folliculogenesis? Endocr Rev; 22:389-424.
- Paoletti, A.M.; Cagnacci, A. and Depau, G.F. (1996):*** The chronic administration of carbergoline normalizes androgen secretion and improves menstrual cyclicity in women with polycystic ovarian disease. Fertil Steril; 66(4): 527-32.
- Pellatt, L.; Rice, S. and Mason, H. (2010):*** Anti-Mullerian hormone and polycystic ovary syndrome: A mountain too high? H Reproduction (Epub ahead of print)
- Phipps, W.R. (2001):*** Polycystic ovary syndrome and ovulation induction. Obstet Gyencol Clin North Am, Mar; 28 (1): 165.
- Pirwany, I. and Tulandi, T. (2003):*** Laparoscopic treatment of polycystic ovaries: is it time for criticism the procedure? Fertil Steril 80, 241-251.
- Polyzos, N.P.; Tzioras, S.; Badawy, A.M.; Valachis, A.; Dritsas, C. and Mauri, D. (2009):*** Aromatase inhibitors for female infertility: a systematic review of the literature Reprod Biomed online. Oct; 19 (4): 456-71.
- Poretsky, L.; Cataldo, N.N.; Zev, R. And Linda, C. (1999):*** The insulin related ovarian regulatory system in health and diseases. Endocr. Rev. 20:535-82.



- Portensky, L. (1991):** On the paradox of insulin-induced hyperandrogenism insulin resistant states. *Endocr. Rev.*, 12:3-13.
- Pregnyl, (human chronic gonadotropin, 5000 I.U.) package insert (2008):** N.V. Organon. Netherlands.
- Provera (Medroxy progesterone acetate) package insert (2004):** Pharmacia and Upjohn, IVY, USA.
- Psychoyos, A. (1993):** The implantation window: basic and clinical aspects. In Mori-T., Aono-T., Tominaga-T., Hiroi-M. (eds) *Perspective on assisted Reproduction. Ares Serono symposia*. 4, 57-62.
- Reaven, G.M. (1988):** Banting lecturer 1988. Role of insulin resistance in human disease. *Diabetes*, 37: 1595-1607.
- Rebar, R.; Judd, H.L.; Yen, S.S.C.; Rakoff, J.; Vanderberg, G. and Naftolin, F. (1976):** Characterization of the inappropriate gonadotropin secretion in polycystic ovary syndrome. *J Clin Invest* 57:1320.
- Robinson, S.; Henderson, A.D. and Gelding, S.V. (1996):** Dyslipidemia is associated with insulin resistance in women with polycystic ovaries. *Clin Endocrinol*; 44:269-276.
- Rosenfeld, C.R.; Roy, T. and Cox, B.E. (2002):** Mechanisms modulating estrogen-induced uterine vasodilation. *Vascul Pharmacol*; 38:115-125.
- Rotterdam, ESHRE/ASRM- sponsored PCOS consensus workshop group (2004):** Revised 2003 consensus on diagnostic criteria and



long-term health risks related to polycystic ovary syndrome (PCOS). Hum Reprod; 19:41-7.

Sammour, A.; Bilijan, M.M.; Tan, S.L. and Tulandi, T. (2001): Prospective randomized trial comparing the effects of letrozole and clomiphene citrate on follicular development, endometrial thickness and pregnancy rate in patients undergoing superovulation prior to intrauterine insemination. Fertil Steril, 76:S110-S2.

Sanaka, M. and Twamoto, Y. (2000): Troglitazone for treatment of polycystic ovary syndrome (Abstr). Nippon Rinsho Feb; 58 (2):465.

Santen, R.J. (2002): to block estrogen's synthesis or action: that is the question. J Clin Endocrinol Metab; 87:3007-3012.

Santen, R.J. (2003): Treatment of hormone dependent tumors. In: Larsen, PR, Kronenberg HM, Melmed, S, Polonsky, KS, editors. Williams textbook of endocrinology. 10th ed. Philadelphia, PA: WB Saunders: 2003. p. 1797-833.

Selina, K. and Hossain, B. (2000): Increased concentrations of plasma neuropeptide Y in patient with PCOD Am J obstet Gynecol; 182: 896-900.

Sereepapong, W.; Suwajanakorn, S.; Triratanachai, S. et al., (2000): Effect of clomiphene citrate on the endometrium of regularly cycling women. Fertil Steril 73 (2): 287.



- Shapiro, H.; Cowell, C. and Casper, R.F. (1993):** The use of vaginal ultrasound for monitoring endometrial preparation in a donor oocyte program. *Fertil Steril*; 59: 1055-9.
- Shapiro, H.; Cowell, C. and Casper, R.F. (1993):** The use of vaginal ultrasound for monitoring endometrial thickness. *Fertil Steril*. 29:1055.
- Shepard, M.K.; Balmaceda, J.P. and Leija, G.G. (1979):** Relationship of weight to successful induction of ovulation with clomipherne citrate. *Fertil. Steril*. Dec. 32 (6)-641-5.
- Shoham, Z.; Mannaerts, B.; Insler, V. and Coelingh, H.B. (1993):** Induction of follicular growth using recombinant human follicle stimulating hormone in two volunteer women with hypogonadotropic hypogonadism. *Fertil Steril*; 59:738-742.
- Sills, E.S.; Perioe, M. and Palermo, G.D. (2001):** Correction of hyperinsulinemia in oligoovulatory women with clomiphene-resistant polycystic ovary syndrome: review of therapeutic rational and reproductive outcomes. *Eur. J. Obst. Gynecol., Reprod. Biol.*, Aug. 91 (2): 135-41.
- Sioufi, A.; Gauducheau, N.; Pineau, V.; et al., (1997):** Absolute bioavailability of letrozole in healthy post-menopausal women. *Biopharm Drug Dispos*: 18:779-78.
- Sioufi, A.; Sandrenan, N.; Godbillon, J. et al., (1997):** Comparative bioavailability of letrozole under fed and fasting conditions in 12 healthy subjects after a 25mg single oral administration. *Biopharm Drug Dispos*; 18:489-497.



- Solomonm, C.G. (1999):** The epidemiology of polycystic ovary syndrome: Prevalence and associated disease risk. *Endocrinol Metab Clin North Am* 28 (2): 247.
- Spano, J.P.; Soria, J.C.; Kambouchner, M.; Piperno-Neuman, S.; Morin, F.; MOrere, J.F.; et al., (2003):** Long-term survival of patients given hormonal therapy for metastatic endometrial stromal sarcoma. *Med Oncol*; 20:87-93.
- Sperof, and Marc, A. (2005) :** Clinical Gynecologic Endocrinology and infertility 7th Edition. Oregon Health and Science university. The university of North Carolina at Chapel Hill Chpater 4, P 120:
- Speroff, L. and Fritz, M. (2005):** Clinical gynecologic endocrinology and infertility 7th edition.
- Speroff, L.; Glass, R. and Kase, N.G. (1994):** Anovulation and the polycystic ovarian. In: Spreoff, L.; Glass R., Kase, N.G., (eds.) *Clinical Gynecologic Endocrinology and Infertility* (Fifth edition), Williams and Wilkins, Baltimore Maryland, PP. 457-482.
- Speroff, L.; Glass, R.H. and Kase, N.G. (1994):** Anovulation. In: *Clinical Gynecological Endocrinology and Infertility* (5th edition). Wiliams and Wilkins Co. Baltimore Maryland. 185-198.
- Speroff, L.; Kase, R.H. and Glass, N.G. (1999):** Clinical Gynecologic Endocrinology and Infertility. Baltimore ,Lippincott, Williams and Wilkins, 6th Ed., PP. 487-522.
- SPSS, (Statistical pakage for social science) (2008):** Version 9.0 Chicago, IL, USA.



- Stein, L.F. and Leventhal, M.L. (1935):** Amenorrhea associated with bilateral polycystic ovaries. *Am. J. Obstet. Gynecol.*, 29, 181-91.
- Takahasi, K.; Eda, Y.; Abu-Musa, A.; Okada, S.; Yoshino, K. and Kitao, M. (1994):** Transvaginal ultrasound imaging histopathology and endocrinopathy in patients with polycystic ovarian syndrome. *Hum Reprod*, 9: 1231-1236.
- Takayama, K.; Zeitoun, K.; Gunby, R.T.; et al., (1998):** Treatment of severe postmenopausal endometriosis with an aromatase inhibitor. *Fertil Steril*; 69:709-13.
- Taylor, A. E. (2000):** Insulin-lowering medications in polycystic ovary syndrome. *Obstet Gynecol Clin N A*; 27(3): 583-95.
- Taylor, A.E.; McCourt, B. and Martin, K.A. (1997):** Determinants of normal gonadotropin secretion in clinically women with polycystic ovary syndrome, *J. Clin. Endocrinol. Metab.*, 82: 2248.
- Thompson, I.E. and Thaymor, M.L. (1980):** Endocrine physiopathology of the ovar. *Clinics in obstet Gynecol*; 12(3): 616.
- Timor-Tritsch, H.N.; Bar-Yam, Y.; El gall, S. and Rottem, S. (1988):** The technique of transvaginal sonography with the use of a 6.5 MHz probe, *Am J Obstet Gynecol*. 158(5): 1019-24.
- Tulandi, T.; Martin, J.; Al-Fadhli, R.; Kabli, N.; Forman, R.; Hitkari, J.; Librach, C.; Greenblatt, E. and Casper (2006):** Congenital malformations among 911 newborns conceived after infertility treatment with letrozole or clomiphene citrate. *Fertil Steril*. Jun; 85(6): 1761-5.



- Tulppala, M.; Stenman, U.H. and Cacciatores, B. (1994):** Polycystic ovaries and levels of gonadotropins and androgens in recurrent miscarriage: prospective study in 50 women, Br J Obstet Gynaecol 100: 348.
- Van Santibrink E.J.P.; Dondenvinkel P.F.J. Van Dessel T.JHM, et al., (1995):** Gonadotropin induction of ovulation using a setp-down dose regimen: single clinical experience in 82 Patients. Hum Reprod 10; 1048.
- Van Sunhrink , E.J.R.; Hop, W.C. and Fauser, B.C.J.M. (1997):** Classification of normo-gonadotrophic infertility: polycystic ovaries diagnosed by ultrasound versus endocrine characteristics of polycystic ovary syndrome. Fertil Steril 67; 452.
- Van Hooff, M.H.; Voorhorsi, F.J.; Kaptein, M.B.; Kirasing, R.A.; Koppenaar, C. and Hoemaker, J. (2000):** Polycystic ovaries in adolescents and the relationship with the menstrual cycle patterns, Luteinizing hormone, androgen and insulin. Fertil. Steril, 74(1): 49-58.
- Van Kasteren, Y.M.; Hoek, A. and Schoemaker, X. (1995):** Ovulation induction in premature ovarian failure: a placebo-controlled randomized trial combining pituitary suppression with gonadotropins stimulation. Peril Steril 64: 273-278 (Level 11-1).
- Vandennolen, D.T.; Raits, V.S.; Evans, W.S.; Stovall, D.W.; Kauma, S.W. and Nestler, J.E.(2001):** Metformin increases the ovulatory rate and pregnancy rate in patients with polycystic ovary



syndrome who are resistant to clomiphene citrate alone. Fertil Steril 75 (2): 310.

Vendola, K.; Zhou, J.; Wang, J.; Famuyiwa, O.A.; Bievre, M. and Bondy, C.A. (1999): Androgens promote oocyte insulin-like growth factor I expression and initiation of follicle development in the primate ovary. Biol Reprod; 61:353-357.

Vendola, K.A.; Zhou, J.; Adesahya, O.O.; Weil, S.J. and Bondy, C.A. (1998): Early stages of follicular growth in the primate ovary. J Clin Invest; 101: 2622-2629.

Vessey, M.P.; Villard-Mackintosh, L. and Painter, R. (1993): Epidemiology of endometriosis in women attending family planning clinics. Br Med J; 306:182-4.

Voluson 730 PRO G.E. General electrics U.S.A.

Waler, K.G. an Shaw, R.W. (1993): Gonadotropin- releasing hormone analogues for the treatment of endometriosis: long-term follow-up. Fertil Steril; 59:511-15.

Wang, J.X.; Davies, M. And Norman, R.J. (2000): Bondy mass index and probability of pregnancy during assisted reproduction treatment. reproductive study. BMI; 32:320-1.

Wang, X.N. and Greenwald, G.S. (1993): Human chorionic gonadotropin or human recombinant follicle-stimulating hormone FSH induced ovulation and subsequent fertilization and early embryo development in hypophysectomized FSH- primed mice. Endocrinology; 132:2009-2016.



- Weil, S.; Vendola, K.; Zhou, J. and Bondy, C.A. (1999):** Androgen and follicle-stimulating hormone interactions in primate ovarian follicle development. *J Clin Endocrinol Metab*; 84: 2951-2956.
- Weil, S.J.; Vendola, K.; Zhou, J.; et al., (1998):** Androgen receptor gene expression in the primate ovary: cellular localization, regulation. And functional correlations. *J Clin Endocrinol Metab*; 83: 2479-2485.
- Weisstnan, A. and Shohani, Z. (1999):** GnRH and its agonistic analogues: basic knowledge. In: *Female Infertility Therapy current practice.* (Shohem. A, Howles C., Jacobs. H., eds) Martin Dunitz Ltd London, 1999P: 157.
- Wijeyaratne, C.N.; Balen, A.; Barth, J.H. and Belchetz, P.E. (2002):** Clinical manifestations and insulin resistance (IR) in polycystic ovary syndrome (PCOS) among South Asians and Caucasians. Is there a difference? *Clin Endocrinol (Oxf)*; 57 :343-50.
- Wild, R.A. (1995):** Obesity, lipids, cardiovascular risk, and androgen excess. *Am J Med.* 98:275-325.
- Winer, E.P.; Hudis, C.; Burstein, H.J.; et al., (2002):** American Society of Clinical Oncology technology assessment on the use of aromatase inhibitors as adjuvant therapy for women with hormone receptor –positive breast cancer: Status Report. *J Clin Oncol*; 20:3317-3327.
- Winfield, A.C. and Wcnfz, A.C. (1992):** *Diagnostic Imaging in Infertility-* William & Wilkins, USA.



- World Health Organization (2005):** Laboratory manual for the examination of human, semen and semen-cervical mucus interaction. Cambridge (UK): The press syndicate, 3-10.
- Wu, C.H. and Winkel, C.A. (1989):** The effect of therapy initiation day on clomiphene citrate therapy. *Fertil*; 52: 564-568.
- www.ydxx.cn/pharmacopeia/usp28/v28230/usp28nf23s0_m18460.htm (clomiphene citrate and letrozole structural formula).**
- www.care2.com/c2c/groups/disc.htm (pcos diagram)**
- Wysowski, D.E. (1993):** Use of fertility drugs in the United States. 1979 through 1991. *Fertil Steril*; 60: 1096-1098.
- Xu, B.; Pu, S. and Kalra, P.S. (1996):** An interactive physiological role of neuropeptide Y and galanin in pulsatile pituitary luteinizing hormone secretion. *Endocrinology*. 137: 5297-5302.
- Yagel, S.; Ben-Chetrit, A.; Anteby, E.; Zacus, D.; Hochner-Celnikier, D. and Ron, M. (1992):** The effect of ethinyl estradiol on endometrial thickness and uterine volume during ovulation induction by clomiphene citrate. *Fertil Steril*; 57:33-6.
- Yanase, T.; Simpson, E.R. and Waterman, M. (1991):** 17 α -hydroxylase/17,20-lyase deficiency: from clinical investigation to molecular definition. *Endocr Rev*; 12:90-108.
- Yarali, H.; Bukulmez, O. and Gurgon, T. (1999):** Urinary follicle stimulating hormone (FSH) versus recombinant FSH in clomiphene citrate-resistant, normogonadotropic, chronic anovulation, a prospective randomized study. *Fertil Steril*; 72:276-81.



- Yates, R.; Dowsett, M.; Fisher, G.; Selen, A. and Wyld, P. (1996):** Arimidex ZD1033: a selective, potent inhibitor of aromatase in postmenopausal female volunteers. *Br J Cancer*; 73: 543-548.
- Yen Sse, Chancy, C. and Judd, H.L. (1976):** Functional aberrations of the hypothalamic pituitary system in polycystic ovary syndrome: A consideration of the pathogenesis. In Jones VH, Secio TM, Guisti G, (eds) *The endocrine function of the human ovary*. New York Academic Press pp 373-385.
- Yen, S.S. (1991):** Chronic anovulation caused by peripheral endocrine disorders. In: Yen SS, Jafe, RB, eds. *Reproductive endocrinology: physiology, pathophysiology, and clinical management*, 3rd ed Philadelphia: Saunders: 576-630.
- Yen, S.S.C.; Laughlin, G.A. and Morales, A.J. (1993):** Interface between extra- and intra-ovarian factors in polycystic ovary syndrome PCOS. *Ann N Y Acad Sci*; 687:98-111.
- Young, S.I.; Opsahl, M.S. and Fritz, M.A. (1999):** Serum concentrations of Clomiphene and zuclomiphene across consecutive cycles of clomiphene citrate therapy in anovulatory infertile women. *Fertil Steril*. (4): 639-44.
- Yu, W.H.; Kimura, M. and Walczewka, A. (1997):** Role of leptin in hypothalamic- pituray function. *Proc Natl Acad Sci USA*. 94: 1023-1028.
- Yue, W.; Wang, J.P.; et al., (1998):** In situ aromatization enhances breast tumor estradiol levels and cellular proliferation. *Cancer Res*; 58:927-32.



- Zaidi, J.; Campbell, S.; Pittrof, F.R. and Tan, S.L. (1995):** Endometrial thickness morphology, vascular penetration and velocimetry in predicting implantation in an IVF program *Ultrasound Obstet Gynecol* 6, 191-198.
- Zawadzki, J.K. and Dunaif, A. (1992):** Diagnostic criteria for polycystic ovary syndrome: Towards a rational approach. In: Dunaif, A.; J.R.; Haseltine, F.P.; et al. (eds): *Polycystic ovary syndrome*. Oxford, Blackwell Scientific, P. 377.
- Zeinalzadeh, M.; Barsirat, Z. and Esmialpour, M. (2010):** Efficacy of letrozole in ovulation induction compared to that of clomiphene citrate. in patients with PCOS. *J Repro. Med* 2010 Jan-Feb 55 (1-2): 36-4c.
- Zeitoun, K.; Takayama, K.; Michael, M.D. et al., (1999):** Stimulation of aromatase P450 promoter (II) activity in endometriosis and its inhibition in endometrium are regulated by competitive binding of SF-1 and COUP-TF to the same cis-acting element. *Mol Endocrinol* 1999; 13:239-53.
- Zelinski-Wooten, M.B.; Hess, D.L.; Wolf, D.P. and Stouffer, R.L. (1994):** Steroid reduction during ovarian stimulation impairs oocyte fertilization, but not folliculogenesis, in rhesus monkeys. *Fertil STERIL*; 61:1147-1155.