

REFERENCES

Abd-El Sattar M. Extended clomiphene citrate long; term low dose dexamethasone treatment in clomiphene citrate non responders; M E F S J 2000; 5:11-24.

Acbay O and Gundog US. Can metformin reduce insulin resistance in polycystic ovary syndrome ? Fertil Steril 2000;65:946-9.

Adashi EY. Ovulation induction : Clomiphen citrate . In Adashi EY, Rosenwaks Z(eds): Reproductive Endocrinology, Surgery . and Technology . Philadelphia, Lippincott Raven, 1996;1:1181-206.

Ahola T, Fellman V, Laaksonen R, Laitila, Lapatto R, Neuvonen PJ, and Raivio KO. Pharmacokinetics of intravenous N-acetylcysteine in pre-term new - born infants. Eur, J, Clin. Pharmacol 1999 ; 55 : 645 - 50 .

Al-Omari W, Al-Hadithi N, Lzat B, and Sulaiman W. The effect of an aromatase inhibitor on ovulation induction and endometrial receptivity in clomiphene resistant women with polycystic ovary syndrome. Mid East fertile So cJ 2001;6:s2-5.

American College of Obestetricians and Gynecologists Practice bulletin Management of infertility caused by ovulatory dysfunction . Int J Gynecol Obistet 2002 ;77:177-88.

Andersen AG, Als Nielsen B, Hornnes PJ, et al., : Time interval from human chorionic gonadotropin (HCG) injection to follicular rupture . Hum Reprod 1995;10:3202-5.

REFERENCES

Anderson P, Selijeflot I, Abdelnoor M, et al., Increased insulin sensitivity and fibrinolytic capacity after dietary intervention in obese women with polycystic ovary syndrome. *Metabolism* 1995;44:611-16.

Arroyo A, Loughlin GA, Morales AJ, et al ., Inappropriate gonadotropin secretion in polycystic ovary syndrome, influence of adiposity. *J Clin Endocrinol Metab* 1997;82:3728-33.

Arstall MA, Yang J, Stafford I, et al ., N-acetyl cysteine in combination with nitroglycerin and streptokinase for the treatment of evolving acute myocardial infarction . Safety and biochemical effects. *Circulation* 1995;92:2855-62.

Azziz R, Dewailly D, and Owerbach D. Clinical review 56, non –classic adrenal hyperplasia: current concepts. *J Clin Endocrinol Metab* 1994;78:810-15.

Azziz R, Hincapie LA, Knochenhauer ES, et al. Screening for 21 hydroxylase deficient non classical adrenal hyperplasia among hyperandrogenic women :A prospective study .*Fertil Steril* 1999;72:915-25.

Badawy A., El Nashar A .and El Totongy M . clomiphene citrate plus N-acetyl cysteine versus clomiphene citrate for augmenting ovulation in the management of unexplained infertility : a randomized double – blind controlled trial . *Fertil Steril* 2006;86:647-50 .

Badawy A. State O. and Abdelgawad S,N-Acetyl cysteine and clomiphene citrate for induction of ovulation in polycystic ovary syndrome : a cross – over trial. *Acta Obstetricia et Gynecologica* . 2007 ; 86 :218 – 222 .

REFERENCES

Balen A. Ovulation induction for polycystic ovary syndrome. Hum Fertil 2003;(Canb.)3:106-11.

Balen A, Conway GS, Kaltsas G, et al. Polycystic ovary syndrome : the spectrum of the disorder in 1741 patients. Hum Reprod 1995;8:2107-11.

Balen AH. Polycystic ovary syndrome: medical or surgical treatment? In: Evidence based fertility treatment. Templeton A, Cooke I and O Brin PMS editors. RCOG Press. 1999b ; P : 157.

Balen AH. Polycystic ovary syndrome : mode of treatment . Female infertility therapy current practice. (Shohem. A, Howles C., Jacobs. H, eds) Martin Dunitz Ltd London 1999 a, p.45.

Barbieri RL, Induction of ovulation in infertile women with hyperandrogenism and insulin resistance . Am J Obstet Gynecol 2000;183:1412-18.

Barbieri RL, and Ryan KJ. Hyperandrogenism, insulin resistance and acanthosis nigricans syndrome : 10 years of progress. J Reprod Med 1994;39:327-36.

Bates GW, Bates SR, and Whitworth NS. Reproductive failure in women who practice weight control. Fertile Steril 1982;37:373-8.

Bates GW, Whitworth NS. Effect of body weight reduction on plasma androgens in obese, infertile women . Fertile Steril 1982;38:406-9.

Bergh C, Carlsson B, and Olsson JH. Regulation of androgen production in cultured human thecal cells by insulin like growth factor-I and insulin . Fertile Steril 1993;59:323.

REFERENCES

Blakesly Va, Scrimgeour A, Esposito D, et al . Signaling via the insulin like growth factor-1 receptor: Does it differ from insulin receptor signaling ? Cytokine and Growth Factor Reviews 1996;7:153-9.

Bobman G, Bacher U, Larsson S, et al . Oral acetyl cysteine reduces exacerbation rate in chronic bronchitis : a report of trial organized by the Swedish Society for pulmonary diseases. Eur J Respir Dis 1983;64:405-15.

Boots LR, Potter S, Potter D, et al . Measurement of total serum testosterone levels using commercially available kits : high degree of between-kit variability. Fertil Steril 1998;69:286-92.

Borgstrom L, Kagedal B, and Paulsen O. Pharmacokinetic of N-acetyl cysteine in man . Eur J Clin pharmacol 1986;31:217-22.

Bracero N, and Zacur HA. Polycystic ovary syndrome and hyperprolactinemia. Obstet and Gynecol Clin North AM 2001;28:165-82.

Branigan ME, and Ester A. Using oral contraceptives as a treatment for clomid-resistant patients . Fertile Steril 1999;71:544-6.

Breithaupt TB, Vazquez A, Baez I, et al. The suppression of T cell function and NF (κ) B expression by serine protease inhibitors is blocked by N-acetyl cysteine. Cell Immunol 1996; 173:124-30.

Brodie A , and Inkster S. Aromatase in the human testis. J Steroid Biochem Mol Biol 1993;44:549-55.

REFERENCES

Buhinsechi IA, Buhinschi CS, Pupkin M, et al. Beneficial impact of term labor: non enzymatic antioxidant reserve in the human fetus. *Am J Obstet Gynecol* 2003;189(1):181-8.

Buhimschi IA, Buhimschi CS, Pupkin M, et al. Protective effect of N-acetyl cysteine against fetal death and preterm labor induced by maternal inflammation. *Am J Obstet Gynecol* 2003;188(1):203-8.

and outcome with in - vitro fertilization. *Fertil Steril* 1996;65:1-10.

Bulun SE, and Simpson ER, Regulation of aromatase Expression in human tissues . *Breast cancer Res Treat* 1994;30 : 19 –29.

Burghen G A, Givens JR, and Kitbachi AE. Correlation of hyperandrogenism with hyperinsulinemia in polycystic ovary syndrome. *J Clin Endocrinol Metab* 1980;50:113-16.

Buyalos RP, and Lee CT. Polycystic ovarian syndrome : pathophysiology and outcome with in vitro fertilization. *Fertil Steril* 1996; 65:1-10 .

Caro L, Ghizzi A, Costa R, et al. Pharmacokinetics and bioavailability of oral acetyl cysteine in healthy volunteers. *Arzneim Forsch* 1989;39:382-5.

Cassimirri F, Biscotti M, Gambineri A, Calzoni F, Eliana B, and Pasquali R, Metformin improves insulin, body fat distribution, and androgens in obese women with and without the polycystic ovary syndrome. *Int. J. Obesity* 1997;21:61-8.

REFERENCES

Cederberg J, Siman CM, and Eriksson UJ. Combined treatment with vitamin E and vitamin C decreases oxidative stress and improves fetal outcome in experimental diabetic pregnancy. *Pediat Res* 2001;Jun, 49(6):755-62.

Chang JR, and Katz SE. Diagnosis of polycystic ovary syndrome *Endocrinol and Metab Clin North AM.* 1999;28(2):397-408.

Chang RJ. Judd HL, and Kaplan SA. Insulin resistance in non-obese patients with polycystic ovarian disease. *J Clin Endocrinol Metab* 1983;57:356-9.

Chirkov YY, and Horowitz JD. N-acetyl cysteine potentiates nitroglycerin-induced reversal of platelet aggregation. *J Cardiovasc pharmacol* 1996;28:375-80.

Christensen JT, Boldson J, and Westergaard JD. Ovarian volume in gynecologically healthy women using contraception or using IUD. *Acta Obstet Gynecol Scand* 1997;76:784-9.

Ciampelli M, Lanzone A. Insulin and polycystic ovary syndrome :a new look at an old subject. *Gynecol Endocrinol* 1998;12:277-92.

Ciarldi TP, Morales AJ Hichman MG, et al . Lack of insulin resistance in fibroblasts from subjects with polycystic ovary syndrome. *Metabolism* 1998;47:940-6.

Coetzee and Jackson. Oral hypoglycemics in the first trimester and fetal outcome. *S Afr Med J* 1984;65:635-7.

Conway GS, Holly JMP, and Wass JAH. Effect of LH, insulin, insulin like growth factor 1, and insulin like growth factor binding protein-1 in polycystic ovarian syndrome. *Clin Endocrinol* 1990;33:593-603.

REFERENCES

Costello MF and John A. A systematic review of the reproductive system effects of metformin in patients with polycystic ovary syndrome. *Fertil and Steril*. 2003; 79 (1) : 1 – 13 .

Dahlgren E, Jansen PO, Johansson S, et al., . Polycystic ovary syndrome and risk for myocardial infarction Evaluated from arisk factor on a prospective population study . *Acta obstet Gynaecol scand* 1992;71:599-604.

Daly DC, Walters CA, Soto- Albors CE. et al. Randomized study of dexamethasone in ovulation induction with clomiphene citrate . *Fertil Steril* 1984;41:844-8.

Datta K, Roy SK, Mitra AK, and Kulkarni AP. Glutathione strans ferase mediated detoxification and bioactivation of xenobiotics during early human pregnancy. *Early Human Dev* 1994;Jun 37(3):167-74.

De Clue TJ, Shah SC, Merchese M, and Malone JI. Insulin resistance and hyperinsulinemia induce hyperandrogenism in a young type B insulin-resistant female, *J Clin Endocrinol Metab* 1991; 72:1308-15.

De Flora S, Grassi C, and Carati L. Attenuation of influenza-like symptomatology and improvement of cell-mediated immunity with long-term N-acetyl cysteine treatment. *Eur Respir J* 1997;10:1535-41.

De Flora S, Rossi GA, and De Flora A. Metabolic, desmutagenic and anticarcinogenic effects of N-acetyl cysteine . *Resp* 1986;50:43-9.

REFERENCES

De Fronzo RA. Pathogenesis of type 2 diabetes : Metabolic and molecular implications for identifying diabetes genes. *Diabetes Rev* 1997;5:177-269.

De Leo V, la Marca A Ditto A , Morgante G, et al. Effects of metformin on gonadotropin-induced ovulation in women with polycystic ovary syndrome. *Fertil Steril* 1999;72:282-5(level I) .

De Mattia G, Bravi MC, Cassone N, et al. Reduction of oxidative stress by oral N-acetyl cysteine treatment decreases plasma soluble vascular cell adhesion molecule-1 concentration in non-obese, non-dyslipidaemic, normotensive patients with non-insulin dependant diabetes. *Diabetologia* 1998;41:1392-6.

De metos DG, Gasporrini B pasqualini SR, et al . Effecte of glutathion synthesis stimulation during in vitro maturation of ovine oocytes on embryo development & intracellular peroxide content . *Theriogenology* 2002;15(5):1443-51.

Deno, and Sadler. Effects of the biguanid class of oral hypoglycemic agents on mouse embryogenesis. *Teratology* 1994;49(4):260-6.

Derksen J, Nagesse r SK, Meinder AE, et al. Identification of virilizing adrenal tumors in hirsute women. *N Engl J Med* 1994;331:968-73.

Derman SG, and Adashi EY. Induction of ovulation . *Compr Ther* 1995;21:583-9.

De Wailly D, Cortet D, and Deroubaix-Allard D. Definition, clinical manifestation and prevalence of polycystic ovary syndrome . In : Azziz R, Nestler JE, De Wailly D, eds. *Androgen excess disorders in women* . Philadelphia : Lippincott-Raven 1997;259:68-74.

REFERENCES

De Wailly D, Robert Y, Helin I, et al. Ovarian stromal hypertrophy in hyperandrogenic women . Clin Endocrinol 1994;41:557-62.

De varies and De flora S. N-acetyl-cysteine . J cell Biochem 1993 ; suppl 17f : 270 –7

Dewailly D. Definition and significance of polycystic ovaries: in Hyperandrogenic states and hirsutism. Ball Clin Obstet Gynaecol 1997;11:349-68.

Diamanti-Kandarakis E, Kouli CR, Bergiele AT, et al. A survey of the polycystic ovary syndrome in the Greek island of Lesbos : Hormonal and metabolic prophile . J Clin Endocrinol Metab 1999;84:4006-111.

Diamanti-Kandarakis E, Kouli C, Tsianateli T. Therapeutic effects of metformin on insulin - resistance and hyperandrogenism in polycystic ovary syndrome. Eur J Endocrinol 1998;138:269-76.

Dickey and Holtkamp DE. Development pharmacology and clinical experience with clomiphene citrate. Hum Reprod Update 1996;2:483-506.

Dickey RP, Matis R, Olar TT et al. The occurrence of ectopic pregnancy with and without clomiphene citrate use in assisted and non-assisted reproductive technology. J In Vitro Fertil Embryo Trans 1989;6:294-305.

Dickey RP, Olar TT, Taylor SN, et al. Relationship of endometrial thickness and pattern to fecundity in ovulation induction cycles: effect of clomiphene citrate alone and with human menopausal gonadotropin, Fertil Steril 1993;59:756-60.

REFERENCES

Dickey RP, Taylor SN, Curole DN, et al. Relationship of clomiphene dose and patient weight to successful treatment. Hum Reprod 1997;12:449-53.

Dunaif A, Mandeeli J and Fluhr H. the impact of obesity and chronic hyperinsulinemia on gonadotropin release and gonadal steroid secretion in the polycystic ovary syndrome. J Clin Endocrinol Metab 1998;66:131-9.

Dunaif A. Insulin resistance and the polycystic ovary syndrome : Mechanism and implications for pathogenesis. Endocrinol Rev 1997;18:774-800.

Dunaif A, Xial and Book CB. Excessive insulin receptor serine phosphorylation in fibroblasts and in skeletal muscle: a potential mechanism for insulin resistance in polycystic ovary syndrome. J Clin Invest 1995; 6:801-10.

Dunaif A, Sergal KR, Shelly DR et al. Evidence for distinctive and intrinsic defects in insulin action in polycystic ovary syndrome. Diabetes 1992;41:1257-66.

Dunaif A, Green G, Futterweit W and Dobrjansky A. Suppression of hyperandrogenism does not improve peripheral or hepatic insulin resistance in the polycystic ovary syndrome. J Clin Endocrinol Metab 1990;70:699-704.

Dunaif A, Graf M and Mandeli J . Characterization of groups of hyperandrogenic women with acanthosis nigricans, impaired glucose tolerance and / or hyperinsulinemia . J Clin Endocrinol Metab 1987;65:499-507..

REFERENCES

Ehrmann DA, Cavaghan M, Barnes RP et al . Prevalence of impaired glucose tolerance and diabetes mellitus. *Diabetic Care* 1999;22:141-6.

Ehrmann DA, Cavaghan M, Imperial J, et al. Effects of metformin on insulin secretion, insulin action and ovarian steroidogenesis in women with polycystic ovary syndrome . *J Clin Endocrinol Metab* 1997;82:524-30.

Eklund A, Eridsson O, Hakansson L, et al. Oral N-acetyl cysteine reduces selected humoral markers of inflammatory cell activity in BAL fluid from healthy smokers : correlation to effects on cellular variables. *Eur Respir J* 1988 ; 1 : 832-8.

Elnashar A., Fahmy M., Mansour A. and Ibrahim K., N-acetyl cysteine vs.metformin in treatment of clomiphene citrate – resistant polycystic ovary syndrome : a prospective randomized controlled study *Fertile Steril* 2007 ; 173:1-4.

Erkkila K, Henriksen K, Hirvonen V, et al . Testosterone regulates apoptosis in adult human seminiferous tubules in vitro. *J Clin Endocrinol Metab .* 1997;82:2314-21.

Escobedo LG, Lee NC, Peterson HB and Wingo PA. Infertility associated endometrial cancer risk may be limited to specific subgroups of infertile women. *Obstet Gynecol* 1991;77:124-7.

Farquar CM, Birdsall M, Manning P et al. The prevalence of polycystic ovaries on ultrasound scanning in a population of randomly selected women . *Aust NZ J Obstet Gynecol* 1994; 34:67-74.

REFERENCES

Fauser BC, Pache TD, Hop W. The significance of a single serum Leutinizing Hormone measurement in women with cycle disturbances: Discrepancies between immunoreactive and bioactive hormone estimates. Clin Endocrinol 1999;37:445-52.

Fernandez H, Cote J and Job-Spira N. controlled ovarian hyperstimulation as a risk for ectopic pregnancy. Obstet. Gynaecol 1992; 99:128-30.

Fleming R, Hopkinson ZA, Wallace AM, et al. Ovarian function and metabolic factors in women with oligomenorrhea treated with Clin Endocrinol Metab . 2002;87:569-74.

Flier JS, Kahn CR and Roth J. Receptor, antireceptor antibodies and mechanisms of insulin resistance. N Engl J Med 1979;330:413-19.

Fluker MR, Wang IY. and Rowe TC. An extended 10-days course of clomiphene citrate (CC) in women with CC-resistant ovulatory disorders . Fertil Steril 1996;66:761-69.

Franks S : Polycystic ovary syndrome . N Engl J. Med 1995;333:853-61.

Frank S . polycystic ovary syndrome : a changing perspective . Clin Endocrinol 1989;31:87-120.

Franks S and White D . Gonadotropin regimens. In: evidence based fertility treatment, Templeton A, Cooke I and O Brein PMS editors. RCOG Press 1999. P:178.

REFERENCES

Friedmman CI, Schmidt GE, Kim MH, et al . Serum testosterone concentrations in the evaluation of androgen-producing tumors. Am J Obstet Gynaecol 1985;153:44-9.

Fulghesu AM, Ciampelli M, Belosi C, Apa R, et al. A new ultrasound criterion for the diagnosis of polycystic ovary syndrome : the ovarian stromal/total area ratio. Fertil Steril 2001; 76:326-31.

Flughesu AM, Ciampelli M, Muzj G, et al., N-acetyl cysteine treatment improves insulin sensitivity in women with polycystic ovary syndrome. Fertil and Steril 2002;77(6):1128-35.

Gammon MD and Thompson WD. Infertility and breast cancer : a population-based case-control study , Am J Epidemiol 1990;132:708-15.

Gammon MD and Thompson WD. Polycystic ovary and risk of breast cancer. Am J Epidemiol 1991;134:818-25.

Gavish D and Breslow JL. Lipoprotein (a) reduction by N-acetyl cysteine. Lancet 1991;337:203-4.

Gelety TJ and Buyalos RP. The effect of clomiphene citrate and menopausal gonadotropins on cervical mucus in ovulatory cycles. Fertil Steril 1993;60:466-71.

REFERENCES

Genazzani AD, Petraglia C, Battaglia C. et al.,. A long -term treatment with gonadotropinreleasing hormone agonist plus a low-dose oral contraceptive improves the recovery of the ovulatory function in patients with polycystic ovary syndrome . Fertil Steril 1997;67:463-6.

Gerli S, Gholami H, Manna C, et al . Use of ethinyl estradiol to reverse the anti-estrogenic effect of clomiphene citrate in patients undergoing intrauterine insemination : A comparative, randomized study. Fertil Steril 2000;73:58-9.

Girouard H, Chulak C, Wu L et al. N-acetyl cysteine improves nitric oxide and alpha-adrenergic pathways in mesenteric beds of spontaneously hypertensive rats. Am J Hypertens 2003; 16(7):577-84.

Giudice LC, Dsupin BA, Jin IH, et al . Differential expression of messenger ribonucleic acids encoding insulin-like growth factors and their receptors in human uterine endometrium and deciduas. J Clin Endocrinol Metab 1993;76:1115-21.

Given JR. Familial polycystic ovarian disease. Endocrinol Metab Clin, North Am J 1989; 17:771-8.

Glickman SP, Rosenfield RL, Bergenstal RM , et al. Multiple androgenic abnormalities, including elevated free testosterone, in hyperprolactinemic women. J Clin Endocrinol Metab 1982;55:251-7.

REFERENCES

Glueck CJ, Ping Wang, Wuichi K, Phillips H, et al. Metformin therapy throughout pregnancy reduces the development of gestational diabetes in women with PCOS. *Fertil Steril* 2002;77(3):520-5.

Glueck CJ, Wang P, Fontaine R et al. Metformin-induced resumption of normal menses in 39 of 43 (91%) previously amenorrhoic women with polycystic ovary syndrome . *Metabolism* 1999;48:511-19.

Gogu SR and Agrawal KC. The protective role of zinc and N-acetyl cysteine in modulating zidovudine induced hematopoietic toxicity. *Life Sci* 1996;59:1323-9.

Gonen Y and Casper RF . Sonographic determination of an adverse effect of clomiphene citrate on endometrial growth . *Hum Reprod* 1990;5:670-4

Govind a, Obhrai MS and Clayton RN. Polycystic ovaries are inherited as an autosomal dominant trait : analysis of 29 polycystic ovary syndrome and 10 control families. *J Clin Endocrinol Metab* 1999;84:38-43.

Grandjean EM, Berth P, Ruffmann R and Leuenberger P. Efficacy of oral long-term N-acetyl cysteine in chronic broncho-pulmonary disease: A meta-analysis of published double-blind, placebocontrolled clinical trials. *Clin Therap* 2000,22:209-21.

Grasinger CC, Wild RA and Prker IJ. Vulvar acanthosis nigricans :A marker for insulin resistance in hirsute women .*Fertil Steril* 1993;59:583-6.

REFERENCES

Gregry S and Kelly ND. Clinical applications of N-acetyl cysteine. *Alt Med Rev* 1998;3:114-27.

Guzick, D. polycystic ovary syndrome . symptomatology, pathophysiology and epidemiology. *Am J Obstet and Gynecol* 1998;179:89-93.

Haffner SM, Valdez RA, Morales PA, et al. Decreased sex hormone-binding globulin predicts non-insulin dependent diabetes mellitus in women but not in man. *J Clin Endocrinol Meta* 1993;77:56.

Higa GM. Altering the estrogenic milieu of breast cancer with a focus on the new aromatase inhibitors. *Pharmacotherapy* 2000;20:280-91.

Hoegar K. Obesity and weight loss in polycystic ovary syndrome. *Obstet Gynecol Clin North Am* 2001;28:85-97.

Holte J, Bergh T, Berne C, et al. Restored insulin sensitivity but persistently increased early insulin secretion after weight loss in obese women with polycystic ovary syndrome. *J Clin Endocrinol Metab* 1995;80:2586-93.

Homburg R. Polycystic ovary syndrome from gynaecological curiosity to multi-system endocrinopathy. *Hum Reprod* 1996; 11:29-39.

Homburg R and Howles CM. Low-dose FSH therapy for anovulatory infertility associated with polystic ovary syndrome : Rationale, results, refletions and refinements. *Hum Reprod Update* 1999;5:493-9.

REFERENCES

Huber- bunchholz MM, Carey DGP and Norrman RJ. Restoration of reproductive potential by lifestyle modification in obese polycystic ovary syndrome: Role of insulin sensitivity and lutinizing hormone, J Clin Endocrinol Metab 1999;84: 1470-4.

Hughes E, Collins J and Vandekerckkohove P. Clomiphene citrate for ovulation induction in women with olig omenorrhea. Cochrane Database Sys rev 2000;(2):CD000056.

Hugues IN. The use of recombinant human FSH in ovulation induction. In: Female Infertility Therapy current practice.(Shohem, A, Howeles C.,Jaobs. H.,eds) Martin Dunitz Ltd London, 1999: 115.

Hull MG, Knuth UA, Murray MA and Jacobs HS. The practical value of the progestogen challenge test, serum oestradiol estimation or clinical examination in assessment of the oestrogen state and response to clomiphene in amenorrhea. Br J Obstet Gynaecol 1979; 86799-805.

Insler V, Lunenfeld E. and Lunenfeld B.Ovarian hyperstimulation syndrome. In Manual on assisted reproduction. Rabe T, Diedrich K, Runnebaum B (Eds.) Springer-Verlag Berlin 2000;P:197.

Jakubowicz D, Seppala M, Jakubowicz S, et al. Polycystic overy syndrome and early pregnancy loss: Metformin treatment increase luteal-phase phase serum progesterone glycodelin and insulin-like growth factor binding protein-1 concentrations after clomiphene-induced ovulation in the polycystic ovary syndrome. In Abstracts of the 82 nd annual Meeting of the Endocrin Society. Poster 2000; 1674:405.

REFERENCES

Jialol I, NakerP, Reddi K Moodley J, Jouhert SM. Evidence for insuline resistance in non-obese patient with polycystic ovary. J clin Endocrinol Metab 1987;64;1060-7.

Kahn CK, Flier JS, Bar RS, et al . The syndromes of insulin resistance and acanthosis nigricans: Insulin receptor disorders in man. N Engl J Med 1976; 294:739-45.

Kang J, Zhang D and Da W. synergistic killing of human leukemia cells by antioxidants. Cancer Chemoth. Pharmacol 2004 ; Jul 10.

Kharb S,Gulati N, Singh V and Singh GP.Superoxide anion formation and glutathione levels in patients with pre-eclampsia. Gynecol Obstet Inves 2000; 49 (1):28-30.

Knapen MF, Mulder TP, Van Rooij IA, et al. Low whole blood glutathione levels in pregnancies complicated by preeclampsia or the hemolysis, elevated liver enzyme low platelet syndrome. Obstet and Gynecol 1998; 92(6); 897- 901.

Knochenhauer ES, Key NJ, Kashar-Miller M et al .Prevalence of the polycystic ovary syndrome in unselected black and white women of the Southeastern United States: a prospective study. J Clin Endocrinol Metab 1999; 83 : 3078- 82.

REFERENCES

Kleinveled HA, Demacker PM and Stalenhoaf AP. Failure of N-acetyl Cysteine to reduce low-density lipoprotein oxidizability in healthy subjects. *Eur Clin Pharmacol* 1992;43:639-42.

Kondoh Y, Uemura T, Ishikawa M, Yokoi N and Hirahara F, Classification of the polycystic ovary syndrome in to 3 types according to the response to human corticotrophin releasing hormone. *Fertil Steril* 1999;72:15-20.

Kousta E, White DM and Franks S. Modern use of clomiphene citrate in induction of ovulation. *Hum Reprod Update* 1997;3:359.

Kovacs G and Wood C. The current status of polycystic ovary syndrome. *Aust NZ J Obestet Gynecol* Feb 2001;41(1):65-8.

Krassas GE, Pontikides N, Zaltsas T, et al . Disturbance of menstruation in hypothyrodism . *Clin Endocrinol* 1999;50:655-9.

Kurachi K, Aono T, Minagawa J and Miyuake A. Congenital malformation of newborn infants after clomiphene induced ovulation. *Fertil Steril* 1983;40:187-9.

Lappas M, permezel M and Rice GE . N-acetyl cysteine inhibits phospholipids metabolism, proinflammatory cytokine release, protease activity, and nuclear Factor kappaB deoxy ribonucleic acid-binding activity , in human fetal membrane in vitro. *J Clin Endocrinal Metab.* 2003;88:1723-9 .

REFERENCES

Laven JS, Imani B, Eijkemans MJ and Fauser BC. New approaches to PCOS and other forms of anovulation . *Obstet Gynecol Surv* 2002;57:755-67.

Lee CK., Weak, RL., Johnson, GA et al. Effects of protease inhibitors and antioxidants on in vitro survival of porcine primordial germ cells. *Biol. Reprod* 2000;63:887-97.

Lefebvre P, Binger J, Renard E, et al . Influences of weight body fat patterning and nutrition on the management of PCOS. *Hum Reprod* 1997;12:72-81.

Legro RS, Finegood D, and Dunaif A A fasting glucose to insulin ratio is a useful measure of insulin sensitivity in women with polycystic ovary syndrome. *Journal of Clinical Endocrinology and Metabolism* 1998;83:2694-2698 .

Lewis V. Polycystic ovary syndrome : A diagnostic challenge. *Obstet and Gynecol Clin North Am* 2001;28(1):1-20.

Liguori G, Tolino A, Morccia G and Nappi C. laparoscopic ovarian treatment in infertile patients with polycystic ovarian syndrome . Endocrine changes and clinical outcome . *Gynecol Endocrinol* 1998; 105:338-44.

Lobo RA and Carmina E. The importance of diagnosing the polycystic ovary syndrome. *Ann Intern. Med* 2000;132:989-93.

REFERENCES

Lunenfeld B, lunenfeld E and Insler V. Human gonadotropins. In Manual on assisted reproduction. Rabe T, Diedrich K, Runnebaum B (Eds.) Springer-Verlag Berlin. 2000;P:79.

Macklan NS and Fauser BCJM. Ovulation induction : step-up and step-down regimens . In Kempers RD, Coher J, Haney AF, et al (eds): Fertility and Reproductive Medicine, Proceedings of the XVI World congress on fertility and sterility. San Francisco. New York, Elsevier Science BV, 1998:529-36.

Macklon NS and Fauser BC. Progress in ovarian stimulation . Ann Endocrinol . Jul 1999;60(2):137-42

.

Marcel HA, Feja JV, Kaptein MBH, Hirasing RA, Kopenaal C and Schoemaker J. Polycystic ovaries in adolescents and the relationship with menstrual cycle patterns, LH, androgens , and insulin . Fertil Steril 2000;74:49-58.

Marques-Vidal p, Mazoyer E, Bongard V et al . prevalence of insulin resistance syndrome in south-western france and its relationship with inflammatory and haemostatic markers . Diabetes Care 2002 ; 25 : 1371-7.

Menegola E, Broccia ML, Prati M et al . Glutathione status in diabetes-induced embryopathies. Biol Neonate 1996;69(5):293-7.

REFERENCES

Menegola E, prati M, Broccia ML, et al . In vitro development of rat embryos obtained from diabetic mothers. *Experientia* 1995;51(4):394-7.

Mitwally FM and Casper RF. Use of an aromatase inhibitor for induction of ovulation, in patients with an inadequate response to clomiphene citrate *Fertil Steril* 2001;75:305-9.

Mitwally MF and Casper RF. Single dose administration of the aromatase inhibitor, Letrozole: a simple and convenient effective method of ovulation induction. *Fertil Steril* 2005; 83(1) : 229 - 31 .

Moggetti P, Castello R, tosi F, perrone F, Caputo M, Zanolin E and Muggeo M. Metformin effects on clinical denatures, endocrine and metabolic profiles, and insulin sensitivity in polycystic ovary syndrome : a randomized , double - blind , placebo - controlled 6-month trial, followed by open , long term clinical evaluation. *J Clin Endocrinol Metab.* 2000;85(1):139-46.

Morales AJ, Laughlin GA, Butzow T. et al . Insulin , somatotrophic, and luteinizing hormone axes in lean and obese women with polycystic ovary syndrome : Common and distinct feature. *J Clin Endocrinol Metab* 1996;81:2854-64.

Moran C, Knochenhauer ES and Azziz R. Non-classic adrenal hyperplasia in hyperandrogenism . A re-appraisal . *J Endocrinol Invest* 1998 ;21:707-20.

REFERENCES

Morin-papuneen LC, Koivunen RM, Ruokonenn A and Martidainen Hk. Metformin therapy improves the menstrual pattern with minimal endocrine and metabolic effects in women with polycystic ovary syndrome . Fertil Steril . 1998;69:961-9.

Multicenter Study Group Long - term oral acetyl cysteine in chronic bronchitis. A double - blind controlled study . Eur J Respir Dis 1980;61(111):93-108.

Murakawa H, Hasegawa I Kurabayashi T and Tanaka K. Polycystic ovary syndrome . Insulin resistance and ovulatory responses to clomiphene citrate. J Reprod Med 1999;44:23-7.

Nather OG and Fischer R. Adhesion formation after laparoscopic electrococoagulation of the ovarian surface in polycystic ovary patients. Fertil Steril 1993 ; 60 : 95 - 9 .

Nestler JE, Barlascini CO and Matt DW . Suppression of serum insulin by diazoxide reduces serum testosterone in obese women with polycystic ovary syndrome. J Clin Endocrinol Metab 1989;68:1027 - 32 .

Nestler JE and Jakubowicz DJ. Decreases in ovarian cytochrome P450C17 alpha activity and serum free testosterone after reduction in insulin secretion in polycystic ovary syndrome N. Eng J Med 1996 ; 335 : 617 - 23.

REFERENCES

Nestler JE, Jakobowicz DJ, De Varagas AF, et al. Insulin stimulates testosterone biosynthesis by human thecal cells from women with polycystic ovary syndrome by activating its own receptor and using inositolglycan mediators as the signal transduction system. *J Clin Endocrinol Metab* . 1998;83:2001-5.

Nesler JE, Jakubowicz DJ, Evans WS and Pasquali R. Effects of merformin on spontaneous and clomiphene - induced ovulation in the polycystic ovary syndrome . *N Eng J . Med* 1998 ; 338 : 1876 - 80 .

Nestler JE, Powers LP and Matt DW. A direct effect of hyperinsulinemia on serum sex hormone-binding globulin levels in obese women with the PCOS. *J Clin Endocrinol Metab* 1991;72:83-9.

Nestler JE, Stavall, Akhter N, Luorno MJ and Jakubowicz DJ. Strategies for the use of insulin - sensitizing drugs to treat infertility in women with polycystic ovary syndrome. *Fertil Steril* 2002;77(2):209-15.

Odamoto. N, Uchida A, takakuro K et al . Suppression by human placental protein 14 of natural killer cell activity. *Am J Reprod Immunol* 1991;26:137-42.

Odetti P, Pesce C, Traverso N, et al. comparative trial of N-acetyl cysteine, taurine and oxerutin on skin and kidney damage in long term experimental diabetes 2003;52:499-505.

REFERENCES

O' Driscoll JB, Mamtara H and Higginson J. A prospective study of the prevalence of clear-cut endocrine disorders and polycystic ovaries in 350 patients presenting with hirsutism or androgenic alopecia. Clin Endocrinol 1994;41:231-6.

Olsson B, Johansson M, Gabrielsson J, et al. Pharmacokinetics and bioavailability of reduced and oxidized N-acetyl cysteine. Eur J Clin pharmacol, 1988;34:77-82.

Omara FO, blakley BR, Bernier J and Fournier M. Immunomodulatory murine splenocytes in vitro. Toxicology 1997; 116 :219 –26.

O' Rahilly S and Moller DE. Mutant insulin receptors in syndromes of insulin resistance. Clin Endocer 1992;36:21-6.

Pasquali P, Fabbri R and Venturali S. Effect of weight loss and antiandrogen therapy on sex hormone blood levels and insulin resistance in obese patients with polycystice ovary . Am . J Obstet Gynecol 1986;154:139 –45.

Pasquali R, Antenucci D, Casimirri F, et al . Clinical and hormonal characteristics of obese amenorrheic hyperandrogenic women before and after weight loss. J Clin Endocrinol Metab 1989 ; 68 : 173 -9 .

REFERENCES

Pasquali R, Gambineri A, Biscotti D et al., . Effect of long - term treatment with metformin added to hypocaloric diet on body composition, fat distribution, and androgen and insulin levels in abdominally obese women with and without the polycystic ovary syndrome. J. Clin .Endocrinol Metab. 2000;85:2767-74.

Phipps WR. Polycystic ovary syndrome and ovulation induction. Obstet and Gynecol Clin North Am 2001;28(1)165-82.

Pieper GM, Siebeneich W. Oral administration of the antioxidant N-acetyl cysteine, abrogates diabetes-induced endothelial dysfunction.J Cardiovasc Pharmacol 1998;32:101-5.

Pirwany I R, Tulandi TA. Laparoscopic treatment of polycystic ovaries : is it time to relinquish the procedure ?. Fertil Steril 2003;80(2):241-50.

Porcil A, Gallardo E and Venegas E. Normo - prolactinemic anovulation unresponsive to clomiphene citrate: ovulation induction with bromocriptin. Fertil Steril 1990;53:50-5.

Poretsky L and Kalin MF. The gonadotropic function of insulin . Endoer Rev 1987 ; 8 : 132-6.

Quez E, Acosta A and Mendoza SG. Menstrual cyclicity after metformin therapy in polycystic ovary syndrome .Obstet Gynecol 1997; 90(3):392-7.

REFERENCES

Quez EM, Mendosza S and Hamer T. Metformin therapy in polycystic ovary syndrome reduces hyperinsulinemia, insulin resistance, hyperandrogenia, and systolic blood pressure, while facilitation of normal menses and pregnancy. *Metabolism*, 1994;43:647-53.

Recombinant Human FSH Study Group. Clinical assessment of recombinant human follicle-stimulating hormone in stimulating ovarian follicular development before in vitro fertilization. *Fertil Steril* 1995; 63:77-86.

Renzi FP, Donovan JW, Martin TG, et al. Concomitant use of activated charcoal and N-acetyl cysteine. *Ann Emerg Med* 1985; 14 :568 –72.

Rizk AY, Bedaiwy MA, Al-Inany HG. N acetyl cysteine is a novel adjuvant to clomiphene citrate in resistant polycystic ovary syndrome patients. *Fertile Sterit.* 2005; 83:367-70.

Robert Y, dubrulle f, gaillandre L, et al. Ultrasound assessment of ovarian stroma hypertrophy in hyperandrogenism and ovulation disorders : visual analysis versus computerized quantification. *Fertil Steril* 1995; 46:307- 12.

Rodenstein D, De Coster A, Gazzaniga A. Pharmacokinetics of oral acetyl cysteine: absorption, binding, and metabolism in patients with respiratory disorders. *Clin Pharmacokin* 1978;3:247-54.

Rogers DF, Jefferyu PK. Inhibition by oral N-acetyl cysteine of cigarette smoke-induced bronchitis in the rat. *Exp Lung Resp* 1986;10:267-83.

REFERENCES

Rosenbaum M , leiblel RL, Hirsch J. Obesity. N Eng J Med 1997;337:396-407.

Rossmann WG, Keckstein J, Spatzier K. The impact of ovarian laser surgery on the gonadotropin secretion in women with polycystic ovarian disease . Clin Endocrinol 1991 ; 34 : 23 –30.

Rotterdam ESHRE/ASRM. Sponsored PCOS consensus work shop Group. Revised 2003 consensus on diagnostic criteria and long term health risks related to polycystic ovary syndrome, Fertil steril. 2004;81(1):19-25.

Sastre J, Asensi M, Rodrigo F, et al . Antioxidant administration to the mother prevents oxidative stress associated with birth in the neonatal rat. Life Sci 1994; 54 (26):2055-9.

Scott RT JR and Hofmann GE. Prognostic assessment of ovarian reserve. Fertil Steril 1995 ; 63:1-11.

Sereepapong W, suwajanakorn S , Triratanachai S, et al . Effect of clomiphene citrate on the endometrium of regularly cycling women Fertil Steril 2000;73(2) :287 – 91 .

Sekhon B, Sekhon C, Khan M, Patel SJ et al.. N acetyl cysteine protects against injury in a rat model of focal cerebral ischemia. Brain Res 2003;971:1-8.

REFERENCES

Sgettyu G, Krishnamurthy H, Krshnamurthy HN, Bhatnagar S, Moudgal RN. Effect of estrogen deprivationin on the reproductive physiology of male and female primates. *J Steroid Biochem Mol Biol* 1997;61:157.

Shapiro H . cowell C, Casper RF. The use of vaginal ultrasound for monitoring endometrial preparation in a donor oocyte program *Fertil Steril* 1993;59:1055.

Shepard PR, Withers DJ, Siddle K. phosphoinositide 3- kinase. The key switch mechanism in insulin signaling. *Biochem J* 1998;333:471.

Sheu WH, Hsu CH, Chen YS, Jeng CY, Fuh M. Prospective evaluation of insulin resistance and lipid metabolism in women receiving the oral contraceptive. *Clin Endocrinol* 1994;40:249-55.

Sinsek M, Naziroglu M, Sinsek H, et al . Blood plasms levels of lipoperoxides glutathione peroxidase, beta carotene, vitamin A and E in women with habitual abortion 1998;16(4):22:7-31.

Slowey MJ. Polycystice ovary syndrome : new perspective on an old problem. *South Med J* 2001;94(2):190-5.

Speiser PW, and Serrat J. Insulin insensitivity in adrenal hyperplasia due to nonclassical steroid 21-hydroxylase deficiency. *J Clin Endocrinol Metab* 1992; 75: 1421-4.

REFERENCES

SperoffL, Glass RH, Kase NG. Clinical gynecologic endocrinology and infertility. Baltimore, Lippincott, Williams & Wilkins, 6th Ed, 1999:488-521 .

Stafanger G and Koch C. N.acetyl cysteine in cystic fibrosis and pseudomonas aeruginosa infection : Clinic score, spirimetry and ciliary motility. Eur Respir J 1989 ; 2:234-7.

Stein IF and Leventhal ML. Amenorrhea associated with bilateral polycystic ovaries Am J Obstet Gynecol 1935;29:181-91.

Stuart CA, Peters EJ, Prince MD, et al. Insulin resistance with acanthosis nigricans . The roles of obesity and androgen excess. Metab 1986; 35 : 197-203.

Sukkari AM, ruttioninen K and Erkkola R..Low levels low molecular weight insulin - like growth factor , binding protein in patients with polycystic ovarian disease. Hum Reprod 1989;4:136-40

Takahashi K, Eda Y, Okada S, et al . Morphological assessment of polycystic overy using transvaginal ultrasound. Hum Reprod . 1993;8:844-9.

Talbott E ,Guzick D ,Clerici A, and Berga et al coronary heart disease risk factors in women with Polysystic ovary syndrome .Arterioscler Thromb vase Biol 1995 ;15:821-6.

REFERENCES

Tawfik E., Management of hyperinsulinemic Polysystic ovary syndrome : Is there A Role for N-A cetyl cysteine . Medical journal 2005,.64 : 033-042.

Taylor AE, Mc Court B, Martin Ka, Anderson EJ, Adams JM, Schoenfield D, et al . Determinants of abnormal gonadotropin secretion in clinically defined women with polycystic ovary syndrome. J Clin Endocrinol Metab 1997;82:2248-56.

Taylor AE. Polycystic ovary syndrome. Endocrinol Metab Clin North Am 1998;27:877-83.

Tenenbein M. Hypersensitivity-like reactions to N-acetyl cysteine. Vet Hum Toxicol 1984; 26:3-5.

Thompson LA, Barrot CLR, Thornton SJ, Bolton AE, Cooke ID. The effect of clomiphene citrate and cyclofenil on cervical mucous receptivity and volume over the preovulatory period . Fertil 1993;59:125-30.

Threlkeld DS,ed. Drug facts and comparisons .st Lowis , Missouri :facts and comparisons :1997:1090-40.

Tiltinen AE, Laaikeinen TJ, Seppala MT. Serum levels of insulin like growth factor binding protein –1 and ovulatory responses to clomiphene citrate in women with polycystic ovarian disease. Fertil Steril 1993; 60:58-63.

Tulppala M, Julkunen M, Tiitinen A et al . Habitual abortion is accompanied by low derum levels of placenta protein 14 in the Luteal phase of the fertile cycle. Fertil Steril 1995;63:792-803.

REFERENCES

Unoy, Kizaki M, Nakagiri R, et al . Dietary glutathione protects rate from diabetic nephropathy & neuropathy . J . Nutr May 2002;132(5):897-900.

Urvanck M, Legro RS and Drisell DA. Thirty-seven candidate genes for polycystic overy syndrome. Strongest evidence for linkage is wit follistattin. Proc Natl Acad Sci USA 1999;96:8573-85.

Utah Valley Institute of cystie fibrosis. Nutritional support for the p regnant women who may be carrying a cystic fibrosis fetus .

Van Der Meer, HompesPGA, de Boer, JAM, SchatsR, Shoemaker J. cohort rather than FSH hormone threshold level determines ovarian sensitivity in polycystic ovary syndrome . J clin Endocrinal Metab 1998; 83:423.6.

Vandermolen DT, RattsVS, Evans DW, Kauma SW, Nestler JE Metformin increases the ovulatory rate and pegnancy rate from clomiphene citrate in patients with polycystic overy syndrome who are resistant to clomiphene citrate citrate alone. Fertil Steril 2001;75(2):310-15 .

Van Hoff MH .van der meer M, lambalk CB, et al. Variation of luteinizing hormone and androgens in oligomenorrhea and its implications for the study of polycystic ovary syndrome. Hum Reprod. 1999;14:1684-9.

Van Ltalie T. Health implications of overweight and obesity in the United States. Ann Intern Med 1985: 103:983-8.

REFERENCES

Van Santbrink EJP, Donderwinkel PFJ, Van Dessel TM, et al .Gonadotrophin induction of ovulation using a step – down dose regimen : Single center clinical experience in 82 patients. Hum Reprod 1995;10:1048-55.

Van Santbrink EJR, Rep WC and fauser BCJM. Classification of normo-gonadotrophic infertility : polycstic ovaries diagnosed by ultrasound versus endocrine characteristics of polycystic ovary syndrome . Feril Steril 1997;67:452-62.

Van Schaych CP, Dekhuijzen PNR, Gorgels WJMJ, et al . Are antioxidant and anti-inflammatory treatments effective in different subgroups of COPD? A hypothesis. Respir Med 1998;92:1259-64.

Velazquez E, Acosta A and Mendoza S. menstrual cyclicity after metformin therapy in polycystic over syndrome. Obstet Gynecol 1997;90:392-5.

Velazquez E, Mendoza S, hamer T, et al . Metformin therapy in polystic ovary syndrome reduces hyperinsulinemia, insulin resistance, hyperandrogenemia, and systolic blood pressure, while facilitating normal menses and pregnancy . Metaolism 1994; 43 : 647 – 54 .

Waggoner W, Boots LR and Azziz R. Total testosterone and DHEAS levels as predictors of androgen-secreting neoplasms : Apopulational study. Gynecol Endocrinol 1999;13:394-400.

Wallace TM. Mathews DR. The assessment of insulin resistance in man . Diabetic M edicine 2002;19:527-34.

REFERENCES

Waterworth DM, Bennett SJ and Ghargni N. Linkage and association of insulin gene VNTR regulatory polymorphism and polycystic ovary syndrome, *lancet* 1997;349:986-93.

White DM, Poison Dw , Kiddy D et al. Induction of ovulation with low dose gonadotropins in polycystic ovary syndrome an analysis of 109 pregnancies in 225 women *J Clin Endocrinol Metab* 1996;81 : 3821 – 4.

Wiegerinck MAHM. Early pregnancy loss in chronic hyperandrogenic anovulation. In *coelingh-Bennink HJT, Vemer HM, van Keep PA(eds) : Chronic Hyperandrogenic Anovulation*. Carnoforth, UK, The Parthenon Publishing Group, 1991:169-73.

Wild RA. Metabolic aspects of polycystic ovary syndrome . *Semin Reproel Endocrinol* 1997;15:105-10.

Wild RA . Obesity , lipids , cardio vascular risk and androgen excess . *Am J Med* 1995 ; 98 suppl : 27s – 32s .

Wong W and Wells PG. Effects of N-acetylcysteine on fetal development and on phenytion teratogenicity in mice. *Teratog Carcinog mutagen* 1998;8:65-79.

Wood PS, Stefanick ML, Williams PT, et al The effects on plasma lipoproteins of a prudent weight-reducing diet with or without exercise, in overweight men and women *N Engl J Med* 1991;325:461-6.

Wu CH and Winkel CA. The effect of therapy initiation day on clomiphene citrate therapy. *Fertil Steril* 1989;32:641-7.
normal menses and pregnancy .*Metabolism* 1994;43:647-54.

REFERENCES

Yen SS . Chronic anovulation due to CNS-hypothalamic pituitary dysfunction In: Yen SS, Jaffe RB, Barbieri RL , eds. Reproductive endocrinology: physiology, pathophysiology, and clinical management. 4th ed. Philadelphia : WB Saunders 1999; 516-61 .

Yildiz BO and Gedik O. Assessment of glucose intolerance and insulin sensitivity in polycystic ovary syndrome . Repr Bio Med Online 2004;8(6):649-56 .

Yolanda RS, John FR , Gregory MC, et al., Comparison of lowtechnology and high-technology monitoring of clomiphene citrate ovulation induction. Fertil Steril 1998;70(1):165-71

Young SL, Opsahl MS and Fritz MA. Serum concentration of enclomiphene and zuclophene across consecutive cycles of clomiphene citrate therapy In anovulatory infertile women . Fertil Steril 1999;71(4):639-43.

Yunis AA, Lim LO and Arimura GK. DNA damage induced by chloramphenicol and nitroso-chloramphenicol : protection by Nacetylcysteine . Respiration 1986; 50:50-5.

Zawadzki JK and Duniaf A. Diagnostic criteria for polycystic ovary syndrome : Towards a rational approach. In Dunaif A, Givens JR, Haseltine FP, et al ., (eds) : Polycystic Ovary Syndrome : current Issues in Endocrinology and Metabolism, Boston, Blackwell Scientific, 1992; 4:377-84.

Ziment J. Acetylcysteine. A drug that is much more than a mucokinetic. Biomed pharmacother 1988;42:513-20

Zocur HA, Foster GV.Andersen AG et al . Hyperprolactinemia and time interval from human chronic gonadotrophin (HCG) injection to follicular rupture. Hum Reprod . 1992;10:3202-5.