

References

Abdui-Karim, R. and Assail, N.S. (1961): Pressor response to angiotensin in pregnant and non-pregnant women. *Am J Obstet gynecol*, 82:246.

Abe Y, Hasegawa Y, Miyanwto K, Yarnagushi M, Andoh A, Ibuki Y, and igarashi M. (1990): High concentrations of plasma immunoreactive inhibin during normal pregnancy in women. *J. endocrinol. Meab* 71 (1): 133-137.

Ala Fossi SL, Maenpaa J, Blauer M, Aine R Touhirnaa P, and Punnonen R (1993). Inhibin-A and- B in pre and postmeopause. *Maturitas* 30(3) : 273-281.

Allaire AD, Ballenger KA, Wells SR, McMahon MJ, Lessey BA. Placental apoptosis in preeclampsia. *Obstet Gynecol*. 2000; 96: 271–276.

Allen C, Glasziou P, Del Mar C. Bed rest: a potentially harmful treatment needing more careful evaluation. *Lancet* 1999;354:1229–33 [review].

Americian College of obstetricians and gynecologists (1996): Hypertension in pregnancy. *Techincal bletin* No. 219.

American College of Obstetricians and Gynecologists. ACOG Practice Bulletin 29. Chronic hypertension in pregnancy. Washington, DC: ACOG; 2001;303–311.

Arngrimsson R, Bjornsson H, Geirsson RT. Analysis of different inheritance patterns in preeclampsia/eclampsia syndrome. *Hypertens Pregnancy*. 1995; 14: 27–38.

Arngrimsson R, Sigurardottir S, Frigge ML, Bjarnadottir RI, Jonsson T, Stefansson H, Baldursdottir A, Einarsdottir AS, Palsson B, Snorraddottir S, Lachmeijer AM, Nicolae D, Kong A, Bragason BT, Gulcher JR, Geirsson RT, Stefansson K. A genome-wide scan reveals a maternal susceptibility locus for pre-eclampsia on chromosome 2p13. *Hum Mol Genet*. 1999; 8: 1799–1805.

Anath cv, bowes wa, savitz da, luther er (1997) : Relationship between pregnancy-induced hypertension and placenta previa; A population-based study. *Am. J obstet gynecol* 177:997.

Anawalt bd, bebb ra, and mastumoto am. Serum inhibin-b levels reflect sertoli cell function in normal men, and men with testicular dysfunction j. gun ednocrion! *Metab* 1996;81 : 3341 – 3345.

Anumba DOC, Ford GA, Boys Ri, Robson SC (1999) : stimulated nitric oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and pre-eclamptic pregnancy. *Am J obstet gynecol* 181:1479.

Arias F, Rodriguez L, Rayne SC, Kraus FT. Maternal placental vasculopathy and infection: two distinct subgroups among patients with preterm labor and preterm ruptured membranes. *Am J Obstet Gynecol*. 1993; 168: 585–591.

Arias f (ed) (1993) practical guide to high risk pregnancy. Mosby Co. Auger J, Kunstman JM, Czyplik, f. and Jouannet P. Decline in semen quality among fertile men in Paris during the past 20 years. *N. Engl. J. med* 1995; 322: 281–285.

Ashworth JR, Baker PN, Warren AY, Johnson IR. Mechanisms of endothelium-dependent relaxation in myometrial resistance vessels and their alteration in preeclampsia. *Hypertens Pregnancy*. 1999; 18: 57–71.

B. Hoher, Department of Nephrology, University Hospital Charite, Humboldt University of Berlin, Schumannstrasse 20-21, 10098 Berlin, Germany , (2002).

Badonnel Y, Barbe D, Legagneur H, Ponclet F. and schweitzer M. (1994) : Hinhibin as a marker of hydatidiform moel: a comparative study with the determination of intact human chonionic gonadotrophin and its free? Subunit. *Clin. Endocrinol* 41:155-162.

Bagatell CJ, McLachian RI, and dekresler KM (1989) : A comparison of the supressive effects of testosterone and of a new potent GnRH antagonist on gonnadotropin and inhibin levels in normal men. *Hglin Endocrionol Metab*;69 : 43-48.

Baird DT, and Smith KB (1993). Inhibin and related peptides in the regulation of repreoduction. *Oxford Rey. Reprod. Biol* 15:191-232.

Baird HG, freaser HM, Hillier SG, Illingworth PJ, McNeilly A5, Reddi K, and smith K (1990) : Production and secretion of ovarian inhibin in women. In : *Neuroendocrine Regulation of reproduction*. S.S.C. Yen and W.W. Vale, Eds., Mass. Serono Symposia, USA; pp: 195-205.

Baird D (1969) : *Combined textbook of obstertrics and gynaecology for students and practitoners*. Edinburgh, livingston, P 631.

Baker PN, Krasnow JM, yco K (1995): Elevated serum levels of vascular endothelial growth factor in patients with preeclampsia. *Obstet gynecol* 856-815.

Baker, P.N. and Hackett, G.A. (1994): the use of urinary albumin/creatinine ratios and calcium-creatinine ratios as screening tests for pregnancy-induced hypertension. *Obstet gyneco* 83:745-9.

Baker PN, cunningham FG: Placental and coagulation abnormalities (1999). In lindheimer MD, Roberts JM, Cunningham FG (eds): *Chesley's Hypertensive disorders in pregnancy*. 2nd ed. Stamford CT. appleton & lange, p 349.

Bardeguez AD, McNeer R, Frieri M, Verma UL, Tejani N (1991): cellular immunity in preeclampsia: Alterations in lymphocyte subpopulations during early pregnancy. *Obstet gynecol* 77:859.

Beazley D, Ahokas R, Livingston J, Griggs M, Sibai BM. Vitamin C and E supplementation in women at high risk for preeclampsia: a double-blind, placebo-controlled trial. *Am J Obstet Gynecol* 2005;192:520-521. [CrossRef][ISI][Medline]

Beazley D, Ahokas R, Livingston J, Griggs M, Sibai BM. Vitamin C and E supplementation in women at high risk for preeclampsia: a double-blind, placebo-controlled trial. *Am J Obstet Gynecol*. 2005; 192: 520–521.

Beckmanm RB, Ling WE, Buzansky MR, butes gw, herbert wn, labue wp. And smith rp, eds. *Textbook of obstetrics and gynecology*, 2nd edition. Williams and wilkins, usa, pp: 467-473.

Beer, A.E. (1975) : Quoted from doland, l., (ed): practical obstetric problems 5th (ed), loyed : Luke 284-1979.

Begani, S., Abinadr, E., Eibschitz, l., sharpiro, i., sharf, M. and Oettinger, M. (1985): isometric exercise test for predicting gestational hypertension. J obstet gynecol, 65:652-54.

Benyo DF, Smarason A, Redman CW, Sims C, Conrad KP. Expression of inflammatory cytokines in placentas from women with preeclampsia. J Clin Endocrinol Metab. 2001; 86: 2505–2512.

Bhceley LC (1985) : Diagnosis of preeclampsia.Obstet gynecol 65:423.

Bigazzi R, Bianchi S, Baldari D, Sgherri G, Baldari G, Campese VM. Microalbuminuria in salt-sensitive patients. A marker for renal and cardiovascular risk factors. Hypertension 1994; 23: 195-199

Bogges J F, soules MR, Goff BA cain JM. And tamitini HK (1997): serum inhibin and disease status in women with ovarian grnulosa cell toumors gynecol. Oncol, 64 (1) : 64-69.

Bower S, Bewley S. campbell s (1993) improved predition of preechlainpsia by twostage screening of uterine arteries using the early diastolic notch and the cole doppler imaginig. Obstet gynecol 82:78.

Braunwald E, Zipes DP, Libby P, eds. Heart Disease. 2 vols. 6th ed. Philadelphia, PA: WB Saunders Co; 2001:1096.

Braunwald E, Zipes DP, Libby P, eds. Heart Disease. 2 vols. 6th ed. Philadelphia, PA: WB Saunders Co; 2001:1091, 2100.

Broughton-pipkin, F., Morrison, R.A. O'Brien, P.M.S. (1996): the effects of dietary supplementstion acid on the pressor and biochemical response to exogenous angiotensin II in human pregnancy. *Prog Liquid Res*, 25:425-429.

Brown, Fl (1946): Senitization of thed vascular system in preeclamptic toxamia and eclampsai. *Br. I obstet gynaecol* 53:510.

Brown M.A., Garrlery, E.D.M., Ross, M.R. and Esber, R.P. (1988): sodium excretion in normal and hypertensive pregnancy.: a prospective study. *Am j obstet gynecol*, 159:297.

Brown MA, Buddle ML. Inadequacy of dipstick proteinuria in hypertensive pregnancy. *Aust NZ Obstet Gynecol* 1995;35:366–369.

Brunner HR, Gavras H (1975): vascular damage in hypertension. *Hosp pract* 10:97.

Buckler HM, evans CA, Hamtora H, bruger H G. and anderson DC (1991). Conadotropin, steroid and inhibin levels in women with incipient ovartian failure during anovulatory and ovulatory rebound cyeles. *J.. Endocrinol. Metab*; 72:116-124.

Burch, J.W., Standford, P.W. and Majerus, P.W. (1978) : inhibition of platelet prostalandin synthetase by oral adpirin. *J clin invest*,61:314-19.

Burger HG (1993): Clinical utility of inhibin measurements. *J. glin. Edocrinol. Metab*; 76:1392-1396.

Burger HG, Tin SC, Bangal ML, and DeKrester DM (1990): HCG raises serum immunoreactive inhibin levels in men with hypogonadotrophic hypogonadism. *Reprod. Fertil* ; 2:137-144.

Cameron, H.A. and Ardile, N.G. (1982) : The facilitating effects of adrenaline on platelet aggregation. *Prostaglandins leukot med*, 9:117-128.

Campese VM, Karubian F, Bigazzi R. Hemodynamic alterations and urinary albumin excretion in patients with essential hypertension. *Am J Kidney Dis* 1993; 21: 15-21

Campbell S, Rowe J, Jackson CJ, Gallery EDM. Interaction of cocultured decidual endothelial cells and cytotrophoblasts in preeclampsia. *Biol Reprod*. 2004; 71: 244–252.

Caritis S, Sibai B, Hauth J, Lindheimer MD, Klebanoff M, Thorn E, van Dorsten P, Landon M, Paul R, Miodovnik M, Meis P, Thurnau G (1998): Low-dose aspirin to prevent preeclampsia in women at high risk. National Institute of Child Health and Human Development Network of Maternal-Fetal Medicine Units. *N Engl J Med* 338:701.

Caritis et al, 1998 S, Sibai B, Hauth J, Lindheimer MD, Klebanoff M, Thorn E, VanDorsten P, Landon M, Paul R, Miodovnik M, Meis P, Thurnau G. Low-dose aspirin to prevent preeclampsia in women at high risk. National Institute of Child Health and Human Development Network of Maternal-Fetal Medicine Units. *N Engl J Med*. 1998; 338: 701–705.

Castle WM (1977) : *Statistics in small doses*. 2nd ed. Churchill Livingstone, London.

Chappell LC, Seed PT, Briley A, Kelly FJ, Hunt BJ, Charnock-Jones DS, Mallet AI, Poston L. A longitudinal study of biochemical variables in women at risk of preeclampsia. *Am J Obstet Gynecol*. 2002; 187: 127–136.

Chappell LC, Seed PT, Briley AL, Kelly FJ, Lee R, Hunt BJ, Parmar K, Bewley SJ, Shennan AH, Steer PJ, Poston L. Effect of antioxidants on the occurrence of pre-eclampsia in women at increased risk: a randomised trial. *Lancet*. 1999; 354: 810–816.

Chappell LC, Seed PT, Briley AL, Kelly fi, lee r, hunt ri , parmar k, bawely si, shennan ah, steer pi, poston U (1999): effect of antioxidants on the occurrence of preeclampsia in women at increased risk: A Randomized trial. *Uancet* 345:810.

Chesley LC. Vascular reactivity in normal and toxemic pregnancy. *Clin Obstet Gynecol*. 1966; 9: 871–881.

Chesley LC, Annitto JE, Cosgrove RA. The remote prognosis of eclamptic women: sixth periodic report. *Am J Obstet Gynecol*. 1976; 124: 446–459.

Chesley LC. *Hypertensive Disorders of Pregnancy*. New York, NY: Appleton-Century-Crofts; 1978.

Chesley, L.C. and cooper, D.W. (1986): Genetics of hypertension in pregnancy; possible signle gene control of preeclampsia and eclampsia in the descendants of eclamptic women. *Br J obstet, Gynecol*, 93:898-908.

Clark BA, Halvorson U, sachs B, Epstein FH : Plasma endothelin levels in preeclampsia (1992): elvation and roccelation with uric acid levels and renal impairment. *Am J obstet gynecol* 166:962.

Cohen SL, Ho P. Abnormal excretion of oestrogens in complicated pregnancies. *Can J Biochem Cell Biol*. 1984; 62: 547–553. Bowyer L, Brown MA, Jones M. Forearm blood flow in pre-eclampsia. *BJOG. Int J Obstet Gynaecol*. 2003; 110: 383–391.

Conde-Agudelo A, Belizan Jm (2000) : Risk factors for preeclampsia in a large cohort of latin american and carribean women... *Br I obstet gynaecol* 107:75.

Conner EM, Grisham MB. Inflammation, free radicals, and antioxidants. Nutrition. 1996; 12: 274–277.

Cunningham, F.G., MaDaonald, P.C., Gnat, N.F., Leveno, K.J. and Gilstrap, I.I.I. (1993) : Hypertensive disorders in pregnancy. Williams obstetrics. 19th ed. Norwalk, connecticut Appleton and Lang, 765-817.

Conrad KP, Benyo DF. Placental cytokines and the pathogenesis of preeclampsia. Am J Reprod Immunol. 1997; 37: 240–249.

Conrad KP, vernier KA (1989) : Plasma level, urinary excretion and metabolic production of cGMP during gestation in rats. Am J Physiol 257:R847.

Cooper DW, Liston WA (1979) : Genetic control of severe preeclampsia. I Med Genet 16:409.

Cooper DW, Brennecke SP, Wilton AN. Genetics of pre-eclampsia. Hypertens Pregnancy. 1993; 12: 1–23.

Coppleson M, Monaghan JM, Marrow CP, Tattersall HN. (1992) : Epidemiology of the cancer of the ovary in gynecological oncology, fundamental, principles and clinical practice. Volume I . second edition. Churchill livingstone edinburgh london, P : 38-44.

Cowles T, Saleh A, Cotton DB (1994) Hypertensive disorders in pregnancy. In James of , Steer P, Weiner P, Gonik B (eds) : High risk pregnancy : management options. London, Saunders. P 253.

Crowther CA, Hiller JE, Pridmore B, et al. Calcium supplementation in nulliparous women for the prevention of pregnancy-induced hypertension, preeclampsia, and preterm birth: an Australian randomized trial. FRACOG and the ACT study group. Aust N Z J Obstet Gynaecol 1999;39:12–8.

Cuckle H , Sehmi I, Jonse R (1988) : Maternal serum inhibin A can predict Preeclampsia. Br Ohstet Gynaecol 105:1101.

CukleH (1998) : Effect of maternal age curve on the predicted detection rate in maternal serum screening for down synderome. Preanat. Diagn; 18 (11): 1127-1130.

Cunningham, F.G., MaDonald, P.C. and Gnat, N.F. (2001) : Hypertensidisorreds in pregnancy. Williams obstetrics. 21st ed. Norwalk, connecticut: Appleton and lang, 658-670.

D’atona d’ Wallace Em, Sherating C, Ash by AJP, and Groome NP (1998): Junhibin-Aand pro-alpha Cinhibin in down’s syndeome and normal pregnancies. Prenat. Diagn; 18 (11) : 1122-1126.

Dakker GA, Sibai BM (1998): Etiology and pathogenesis of preeclampsia: Current concepts. Am I Obstet Gynecol 179:1359.

Davey DA, MacGillivray I (1988) : The classification and definition of the hypertensive disorders of pregnancy. Am J obstet gynecol;158:92-898.

Davie N, Haleen SJ, Upton PD, et al. ET(A) and ET(B) receptors modulate the proliferation of human pulmonary artery smooth muscle cells. *Am J Respir Crit Care Med.* 2002;165:398–405.

Davidson EJ; Riley SC, Stephen A. Roberts SA; shearingc CH; Groomed NP; Martina CW (2003): Maternal serum activin, inhibin, human chorionic gonadotrophin and 0L fetoprotein as second trimester predictors of pre-eclampsia. *Br J Obstet gynecol*, 76:46.

Deckert T. Nephropathy and coronary death—the fatal twins in diabetes. *Nephrol Dial Transplant* 1994; 9: Tt-V

Dechend R, Muller DN, Wallukat G, Homuth V, Krause M, Dudenhausen J, Luft FC. Activating auto-antibodies against the AT1 receptor in preeclampsia. *Autoimmun Rev.* 2005; 4: 61–65.

Dechend R, Petra G, Shagdarsuren E, Luyten C, Wallukat G, Braesen JH, Mueller D, Pijnenborg R, Dietz R, Luft FC AT1-receptor autoantibodies in a transgenic animal model for preeclampsia. *J Am Coll Cardiol.* 2005; 45: 15A–15A.

Dekker, G.A., Makovitz, J.W. and wallenburg, H.C.S. (1990): prediction of pregnancy-induced hypertensive disorders by angiotensin II sensitivity and supine pressor test. *Brj obstet gyneco*, 7-:817-821.

Delemarre FM, Steegers EA, van Dop PA, de Jong PA. Angiotensin sensitivity test revisited. *Hypertens Pregnancy.* 2000; 19: 289–298. Felfernig-Boehm D, Salat A, Vogl SE, Murabito M, Felfernig M, Schmidt D, Mittlboeck M, Husslein P, Mueller MR. Early detection of preeclampsia by determination of platelet aggregability. *Thromb Res.* 2000; 98: 139–146.

Deng, L, Bremine, K., Hansoon, L.O. and blombach, M. (1994): Plasma levels of vonedothelial damage in preeclampsia. *Obstet ynceol*, 84:941-5.

Denson, K.W.E. (1977) : The rtio of factor BLII-related antigen and factor VIII biological activity as an index of hypercoagulabiity and intravascular clotting. *Thromb Res*, 10:107-19.

Douglas KA, Redman CWG (1994) : Eclampsia in the United kingdoni. *BMJ* 309:1395.

Duffus, G. and MacGillivray, I. (968) : the incidence of preeclamptic toxoemia in smokers and non-srnokers. *Lancet*, 1:994-5.

Duley L. Maternal mortality associated with hypertensive disorders of pregnancy in Africa, Asia, Latin America and the Caribbean. *Br J Obstet Gynaecol*. 1992; 99: 547–553.

Ejima K, Koji T, Tsuruta D, Nanri H, Kashimura M, Ikeda M. Induction of apoptosis in placentas of pregnant mice exposed to lipopolysaccharides possible involvement of Fas/Fas ligand system. *Biol Reprod*. 2000; 62: 178–185.

Eramaa M, Heikinheimo K, Turri T, Hilden K, and Ritvos O (1993). Inhibin/activin subunit mRNA expression in human graunlosa-lutein cells. *Mol. Cell. Endocrinol*; 92:R15-R20.

Eriksen, H.O., Kern Hansen, P. Brock, V. and Jensen, B.A. (1987): Plasma flbronectin concentration in normal pregnancy and pre0-eclampsia. *Acta obstet Gynecol Scand*, 66:25-28.

Erley CM, Grau C, Furian T, Braun N, Wolf S, Risler T.
Exercise but not angiotensin II infusion increases microalbuminuria in young patients with essential hypertension. *J Hypertens* 1994; 12 [Suppl 3]: S156 (Abstract)

Erley CM, Haefele U, Heyne N, Braun N, Risler T.
Microalbuminuria in essential hypertension—Reduction by different antihypertensive drugs. *Hypertension* 1993; 21: 810-815

Erley CM, Risler T Department of Internal Medicine III, Section of Nephrology and Hypertension, University of Tübingen, Germany, 1994

Eskenazi et al, 1991B, Fenster L, Sidney S. A multivariate analysis of risk factors for preeclampsia. *J Am Med Assoc.* 1991; 266: 237–241.

Eskenazi B, Fenster L, Sidney S, Elkin EP. Fetal growth retardation in infants of multiparous and nulliparous women with preeclampsia. *Am J Obstet Gynecol.* 1993; 169: 1112–1118.

Esplin MS, Fausett MB, Fraser A, Kerber R, Mineau G, Carrillo J, Varner MW. Paternal and maternal components of the predisposition to preeclampsia. *N Engl J Med.* 2001; 344: 867–872.

Everett RB, Worley Ri. MacDonald PC. Gant NF (1978): Effect of prostaglandin synthetase inhibitors on pressor response to angiotensin II in human pregnancy. *J Clin Endocrinol Metab* 46:1007.

Farnworth PG, Robertson DM, DeKretet DM, and Brugger HG. (1988) : Effects of 3 I K-dalton bovine inhibin on FSH and LH in rat pituitary cells in vitro : actions under basal conditions. *Endocrinology* : 122:207-213.

Ferrazzani S. Caruso A. De Carolis S. Martino IV. Mancuso S (1990) : Proteinuria and outcome of 444 pregnancies complicated by hypertension. *Am J Obstet Gynecol* 162:366.

Fhurnanu, G.R., Dyer, A., Depp, I.I.I OR, and Martin, A.O. (1983): the development of a profile scoring system for early identification and severity assessment of pregnancy induced hypertension.

Funai EF, Paltiel OB, Malaspina D, Friedlander Y, Deutsch L, Harlap S. Risk factors for pre-eclampsia in nulliparous and parous women: the Jerusalem perinatal study. *Paediatr Perinat Epidemiol*. 2005; 19: 59–68.

Garner, P. R., D'Alton, M.E., Dudley, D.K., Huard, P. and Hardic M (1990) : Pre-eclampsia in diabetic pregnancies. *Am J Obstet Gynecol*, 163:505-8.

Gifford RW, August PA, Cunningham G, Green LA, Lindheimer MD, McNellis D, Roberts JM, Sibai BM, Taler SJ. Report of the National High Blood Pressure Education Program Working Group on High Blood Pressure in Pregnancy. *Am J Obstet Gynecol*. 2000; 183: S1–S22.

Goldenberg RL, Rouse DJ. Prevention of premature birth. *N Engl J Med*. 1998; 339: 313–320.

Goodnight, S.H. (1989): Vascular effects of n-3 fatty acids. *Invest dermatol*, 93:102s-106s.

Gordon Smith, an expert in obstetrics at Cambridge University: *International Journal of Epidemiology* 2004; 33: 858-63.

Graham CH, Burton GJ. Oxygen and trophoblast behaviour—a workshop report. *Placenta*. 2004; 25 (suppl A): S90–S92.

- Greer, I.A., Walker, J.J., Forbes, C.D. (1986): The low dose aspirin controversy solved at last? *Br med I*, 391:1277-1278.
- Gribble RK, Fee SC, Berg RL. The value of routine urine dipstick screening for protein at each prenatal visit. *Am J Obstet Gynecol* 1995;173:214–217.
- Gribble RK, Meier PR, Berg RL. The value of urine screening for glucose at each prenatal visit. *Obstet Gyn* 1995;85:405–410.
- Grobman WA, Wang EY (2000) : Serum levels of activin a and inhibin a and the subsequent development of preeclampsia. *Obstet gynecol*, ; 96:390-394.
- Groome NP, Illingworth PJ, O'Brien M, (1995) :Quantification of inhibin pro- α 2 containing forms in human serum by a new ultrasensitive two-site enzyme-linked immunosorbent assay. *J Clin Endocrinol Metab*; 80:2926-2932.
- Gulmezoglu AM, Hofmeyr GJ, Oosthuisen MMJ. Antioxidants in the treatment of severe pre-eclampsia: an explanatory randomised controlled trial. *Br J Obstet Gynaecol*. 1997; 104: 689–696.
- Guthrie JR, Dennerstein L, Hopper JL, and Burger HG (1996). Hot Flashes, Menstrual status and hormone levels in a population based sample of mid-life women. *Obstet Gynecol*; 88(3): 437-442.
- Hall, J.E.; Welt, C.K. and Cramer, D (1999): W. inhibin-A and inhibin-B reflect ovarian function in assisted reproduction but are less useful at predicting outcome.

Hum. Reprod, 14 (2) : 409-415.

Halligan, A., Bonnar, J., Sheppard, B., Darling, M. and Walshe, J. (1994): Haemostatic, fibrinolytic and endothelial variables in normal pregnancies and preeclampsia. *Br J Obstet Gynaecol*, 101:488-492.

Hauth I, Sibai B, Caritis S, VanDorsten P, Lindheimer M (1998) : the national institute of child health and human development network of maternal-fetal medicine units maternal serum thromboxane B₂ concentrations do not predict improved outcomes in high-risk pregnancies in a low-dose aspirin trial. *Am J Obstet Gynecol* 179:1193.

Hauth I, Goldenberg RL, Parker CR Jr, Philips B, Copper RL, DuBard MB, Cutter CR (1993): low-dose aspirin therapy to prevent preeclampsia. *Am J Obstet Gynecol* 16:1083.

Haynes WG, Webb DJ 1993 the endothelin family of peptides : local hormones with diverse roles in health and disease? *Clin Sci* 84: 485-500

Haynes WG, Webb DJ 1994 Contribution of endogenous generation of endothelin-1 to basal vascular tone, *Lancet* 344:852-4.

Hayward C, Livingstone I, Holloway S, Liston WA, Brock Dill (1992): An exclusion map for preeclampsia: Assuming autosomal recessive inheritance. *Am J Hum Genet* 5(1:749).

Healy, D. and Wallace, E.M (1996) : Inhibins and activins: Roles in clinical practice. *Br. J. Obst. Gynecol*; 103:945-956.

Hee JP, MacNaughton J, and Banagh M (1993a): FSH induces dose-dependent stimulation of immunoreactive inhibin secretion during the follicular

phase of the human menstrual cycle. J. Clin. Endocrinol. Metab; -76:1340-1343.

Herman W, Hawthorne V, Hamman R. Consensus statement. AmJ Kidney Dis 1989; 13: 2-6

Hess, L.W., O'Brien, W.F., Holmberg, J.A. and Winkel, C.A. (1986): Plasma and amniotic fluid concentrations of fibronectin during normal pregnancy. Obstet gynecol 68:25.

He W, Chang J and Zliang J. (1990): A research on serum, urine and tumor tissue hyaluriate assays for detecting malignant ovarian tumors (Chinese Journal of Obstetrics and Gynecology 30:16-13).

Hibbard, L.T. (1993) : Hypertensive disorders in pregnancy. Principles of obstetrics (1st ed.,) Butterworth, London Edinburgh, P. 194-217.

Hibbard, L.T. (1983) : Maternal mortality due to acute toxemia. Obstet gynecol, 42:263. Hinselmann H : Die Eklampsie. Bonn, F Cohen, 1924. quoted from Cunningham, F.G., Hadanold, P.C. and Gnat, N.F. (2001) : Hypertensive disorders in pregnancy. Williams obstetrics. 21st ed., Norwalk, Connecticut: Appleton and Lang, 658-72.

Hiby SE, Walker JJ, O'Shaughnessy KM, Redman CWG, Carrington M, Trowsdale J, Moffett A. Combinations of maternal KIR and fetal HLA-C genes influence the risk of preeclampsia and reproductive success. J Exp Med. 2004; 200: 957-965.

Hickey KA, Rubanyi GM, Paul RJ, et al 1985 Characterisation of a coronary vasoconstrictor produced by cultured vascular endothelial cells. *Am J Physiol* 248 : C550-6

Hocher, Department of Nephrology, University Hospital Charite, Humboldt University of Berlin, Schumannstrasse 20-21, 10098 Berlin, Germany , (2002).

Hoff C, Peavy K, Giattina K, Spinnato IA, Peterson RDA (1992): Maternal – Fetal.

Hojo M, August P. Calcium metabolism in normal and hypertensive pregnancy. *Semin Nephrol* 1995;15:504–11 [review].

Hooper DE. Detecting GD and preeclampsia. *J Repro Med* 1996;41:885–888.

Hubel C, Roberts J. Lipid metabolism and oxidative stress. In: Lindheimer M, Roberts J, Cunningham F, eds. *Chesley's Hypertensive Disorders in Pregnancy*. Stamford, Conn: Appleton & Lange; 1999: 453–486.

Hubel CA, Lyall F, Weissfeld L, Gandley RE, Roberts JM. Small low-density lipoproteins and vascular cell adhesion molecule-1 are increased in association with hyperlipidemia in preeclampsia. *Metabolism*. 1998; 47: 1281–1288.

Hung T-H, Skepper JN, Charnock-Jones DS, Burton GJ. Hypoxia-reoxygenation: a potent inducer of apoptotic changes in the human placenta and possible etiological factor in preeclampsia. *Circ Res*. 2002; 90: 1274–1281.

Hunt IF, Murphy NJ, Cleaver AE, et al. Zinc supplementation during pregnancy: effects on selected blood constituents and on progress and

outcome of pregnancy in low-income women of Mexican descent. *Am J Clin Nutr* 1984;40:508–21.

Irgens HU, Reisaeter L, Irgens LM, Lie RT. Long term mortality of mothers and fathers after pre-eclampsia: population-based cohort study. *BMJ*. 2001; 323: 1213–1217.

Iwami Y, Masuda H, Asahara T. Endothelial progenitor cells: past, state of the art, and future. *J Cell Mol Med*. 2004; 8: 488–497.

James M. Roberts; Hilary S. Gammill, from the Magee-Womens Research Institute (J.M.R.) and the Departments of Obstetrics, Gynecology, and Reproductive Sciences (J.M.R., H.S.G.), and Epidemiology (J.M.R.) University of Pittsburgh, Pennsylvania. (*Hypertension*. 2005;46:1243.)

Jonsson B, Hauge B, Larsen MF, Hald F. Zinc supplementation during pregnancy: a double blind randomised controlled trial. *Acta Obstet Gynecol Scand* 1996;75:725–9.

Jauniaux E, Watson AL, Hempstock J, Bao Y-P, Skepper JN, Burton GJ. Onset of maternal arterial blood flow and placental oxidative stress: a possible factor in human early pregnancy failure. *Am J Pathol*. 2000; 157: 2111–2122.

Kaar K, Jouppila P, Kuikka J, Luotola H, Toivanen J, Rekonen A. Intervillous blood flow in normal and complicated late pregnancy measured by means of an intravenous ¹³³Xe method. *Acta Obstet Gynecol Scand*. 1980; 59: 7–10.

Kaaja R, Laivuori H, Laakso M, Tikkanen MJ, Ylikorkala O. Evidence of a state of increased insulin resistance in preeclampsia. *Metabolism*. 1999; 48: 892–896.

Kang DH, Finch J, Nakagawa T, Karumanchi SA, Kanellis J, Granger J, Johnson RJ. Uric acid, endothelial dysfunction and pre-eclampsia: searching for a pathogenetic link. *J Hypertens*. 2004; 22: 229–235.

Karumanchi SA, Bdolah Y. Hypoxia and sFlt-1 in preeclampsia: the "chicken-and-egg" question. *Endocrinology*. 2004; 145: 4835–4837.

Katwa LC, Guarda E, Weber KT. Endothelin receptors in cultured adult rat cardiac fibroblasts. *Cardiovasc Res*. 1993;27:2125–2129.

Katz VL, Ryder RM, Cefalo RC, et al. A comparison of bed rest and immersion for treating the edema of pregnancy. *Obstet Gynecol* 1990;75:147–51.

Kedzierski RM, Yanagisawa M. Endothelin system: the double-edged sword in health and disease. *Ann Rev Pharmacol Toxicol*. 2001;41:851–876.

Khalil RA, Granger JP. Vascular mechanisms of increased arterial pressure in preeclampsia: lessons from animal models. *Am J Physiol*. 2002; 283: R29–R45.

Khong TY, De Wolf F, Robertson WB, Brosens I. Inadequate maternal vascular response to placentation in pregnancies complicated by pre-eclampsia and by small-for-gestational age infants. *Br J Obstet Gynaecol*. 1986; 93: 1049–1059.

King A, Hiby SE, Verma S, Burrows T, Gardner L, Loke YW. Uterine NK cells and trophoblast HLA class I molecules. *Am J Reprod Immunol*. 1997; 37: 459–462.

King A, Hiby S, Gardner L, Joseph S, Bowen J, Verma S, Burrows T, Loke Y. Recognition of trophoblast HLA class I molecules by decidual NK cell receptors—a review. *Placenta*. 2000; 21 (suppl A): S81–S85.

Kingsley DM (1994) : The TGF- β superfamily: new members, new receptors and new genetic tests of function in different organisms. *Genes dev*; 8:133-164.

Klien NA, Battaglia de, Miller PB, Granigan FE, Giudice LC, and soules MR (1996): Ovarian follicular development and follicular fluid hormones and growth factors in normal women of advanced reproductive age. *J. Clin. Endocrinol. Metab*; 81 (5):1946-1951).

Knight PG (1996) : Roles of inhibins activins and follistatin in the female reproductive system. *Front. Neuroendocrinol* : 17(4) : 47-509.

Knight PG, Groome N, and Beard AJ, (1991) : Development of a two-site synthesized fragments of the α - and β subunits of hCG. *Endocrinol*; 129:R9-R12.

Knight M, Redman CW, Linton EA, Sargent IL. Shedding of syncytiotrophoblast microvilli into the maternal circulation in pre-eclamptic pregnancies. *Br J Obstet Gynaecol*. 1998; 105: 632–640.

Knuist M, Bonsel 61, Zondervan HA, Treffers PE (1998) : Low sodium diet and pregnancy-induced hypertension : A multicentre randomized controlled trial. *Br J Obstet Gynaecol* 105:430.

Kuo VS, Koumantakis G, Gallery EDM. Proteinuria and its assessment in normal and hypertensive pregnancy. *Am J Obstet Gynecol* 1992;167:723–728.

Kosmas IP, Tatsioni A, Ioannidis JP. Association of C677T polymorphism in the methylenetetrahydrofolate reductase gene with hypertension in pregnancy and pre-eclampsia: a meta-analysis. *J Hypertens*. 2004; 22: 1655–1662.

Kyle PM, Campbell S, Buckley D, Kissane I, de Sweit M, Albano I, Millar 16, Redman CW (1996) : A comparison of the inactive urinary kallikrein : creatinine ratio *gynaecol* 103 : 891.

Labarrere C (1998): Acute atherosclerosis. A histopathological hallmark of immune aggression *Placenta* 9:108.

Lachmeijer AM, Arngrensson R, Bastiaans EJ, Frigge ML, Pals G, Sigurdardottir S, Stefansson H, Palsson B, Nicolae D, Kong A, Aarnoudse JG, Gulcher JR, Dekker GA, ten Kate LP, Stefansson K. A genome-wide scan for preeclampsia in the Netherlands. *Eur J Hum Genet*. 2001; 9: 758–764

Lahlu N, cit abbett-Buffet N, Christin-Maitre S, LeNestour e, Roger M, and bouchard P (1999): Main inhibitor of follicle stimulating hormone in the luteal follicular transition inhibin-A, estradiol or inhibin-B *Hum. Reprod*; 14(5):1 190-1193.

Laivuori H, Lahermo P, Ollikainen V, Widen E, Haiva-Mallinen L, Sundstrom H, Laitinen T, Kaaja R, Ylikorkala O, Kere J. Susceptibility loci for preeclampsia on chromosomes 2p25 and 9p13 in Finnish families. *Am J Hum Genet*. 2003; 72: 168–177.

Laivuori and colleagues, 1998 H, Kaaja R, Rutanen EM, Viinikka L, Ylikorkala O. Evidence of high circulating testosterone in women with prior preeclampsia. *J Clin Endocrinol Metab*. 1998; 83: 344–347.

Landesman R, Douglas RG, Holze E (1954): The bulbar conjunctival vascular bed in the toxemias of pregnancy. *Am J Obstet Gynecol* 68:170.

Lao, T.T. and Chin, R.R.H. (1988): Blood pressure during 1st and 2nd trimesters as predictor of preeclampsia. *Am J Obstet Gynecol* 159:1017.

Lappohn RE, Burger HG, Bouma F, Bangah M, and Krans, M (1992) : Inhibin as a marker for granulosa cell tumor. *Acta Obstet. Gynecol*; 55:61-65.

Lappohn RE, - Burger HG, Bouma L, Bangah M, Krans M. and DeBruijn H. WA (1989) : Inhibin as a marker of granulosa cell tumors. *N. Engl. J. Med*; 32:790-793.

Last updated: 2005-10-24 16:00:46 -0400 (Reuters Health)
By Anthony J. Brown, MD

Lazebnik N, Kuhnert BR, Kuhnert PM. Zinc, cadmium, and hypertension in parturient women. *J Obstet Gynecol* 1989;161:437-40.

Lazarchick, J., Stubb, T.M., Romein, L., Van Dorsten, J.P. and Ladholt, C.B. (1989): Inhibin as a marker of granulosa cell tumors. *N. Engl. J. Med*; 321:7910-793.

Lazarchick, J., Stubbs, T.M., Romein, L., Van Dorsten, J.P. and Ladholt, C.B. (1986): Predictive value of fibronectin levels in normotensive gravid women destined to become pre-eclamptic. *Am J Obstet Gynecol*, 154:1050-2.

Leaf, A. and Weber, P.C. (1988): Cardiovascular effects of n-3 fatty acids. *N. Engl J Med*, 318:549-557.

Lee W, Gonik R, P.C.(1987) urinary diagnostic indices in preeclampsia-associated oliguria. Correlation with invasive hemodynamic monitoring. *Am J Obstet Gynecol* 156:100.

Lee W, Gonik B. Cotton DB (1987): Urinary diagnostic indices in preeclampsia-associated oliguria: Correlation with invasive hemodynamic monitoring. *Am J Obstet Gynecol* 156:100.

Lenton EA, DeKrester DM, Woodward AJ, and Robertson DM (1991): Inhibin concentrations throughout the menstrual cycles of normal, infertile and older women compared with those during spontaneous conception cycles. *J. Clin. Endocrinol. Metab*; 73(6): 1180-1190.

Lento EA, DeKrester DM, Woodward AJ, and Robertson DM (1991) : Inhibin concentrations throughout the menstrual cycles of normal, infertile and older women compared with those during spontaneous conception cycles. *J. Clin. Endocrinol. Metab*; 73 (6) : 1180-1190.

Leszczynska-Gorzela B, Kaminski K, Sawulicka-Oleszczuk H, Oleszczuk J. Department Obstetrics and Perinatology, Medical Academy of Lublin, Poland, 1997.

Levine RJ, Hauth JC, Curet LB, et al. Trial of calcium to prevent preeclampsia. *N Engl J Med* 1997;337:69–76.

Levine RJ, Hauth JC, Curet LB, Sibai BM, Catalano PM, Morris CD, Der Simonian R, Esterlitz JR, Raymond EG, Bild DE, Clemens ID, Cutler IA (1997) : Trial of calcium to prevent preeclampsia. *N Engl J Med* 337:69.

Levine RJ, Maynard SE, Qian C, Lim KH, England LJ, Yu KF, Schisterman EF, Thadhani R, Sachs BP, Epstein FH, Sibai BM, Sukhatme VP, Karumanchi SA. Circulating angiogenic factors and the risk of preeclampsia. *N Engl J Med*. 2004; 350: 672–683.

Lim KH, Frideman SA, Ecker IL, Kao U, Kilpatrick SI (1998): The clinical utility of serum uric acid measurements in hypertensive disease of pregnancy. *Am J Obstet Gynecol* 17:1067.

Lindheimer M, Woodruff TK (1997): Activin A, inhibin A, and preeclampsia. *Lancet* 349:1266.

Lin, S.Y and Goodfriend, T.L. (1970): Angiotensin receptors. *Am J Physiol*, 218 :1319-28.

Li W, Olofsson JI, Jeung EB, Krisinger J, Yuen BH, and Leung P. (1994): GnRH and cAMP positively regulate inhibin subunit mRNA level in human placental cells. *Life Sci*; 55: 1717-1724.

Lockwood GM, Ledger WL, Barlow DII, Groome NY, and Muttukrisna S (1998a): Identification of the source of inhibins at the time of conception provides a diagnostic role for them in very early pregnancy. *Am. J. Reprod. Immunol* : 40(5) : 303-308.

Lokeshwar BL, Flu Rkadli KS, Sheth AR, and Block NL. (1993): Human prostatic inhibin suppresses tumor growth and inhibits clonogenic cell survival of a model prostatic adenocarcinoma the Dunning rat tumor. *Cancer Research*; 53 : 4855.

Long P.A., Oats, J.N. and Gebischer, N.A. (1981) : Labor onset preeclampsia. *J Obstet Gynecol* 121 : 16.

Lorentzen B, Endresen MJ, Clausen T, Henriksen T. Fasting serum free fatty acids and triglycerides are increased before 20 weeks of gestation in women who later develop preeclampsia. *Hypertens Pregnancy*. 1994; 13: 103–109.

Lubarsky SL, Barto JR, Frideman SA, Nasreddine S, Ramadan MK, Hai BM (1994): Late postpartum eclampsia revisited. *Obstet Gynecol* 183 : 502.

Maddocks S, and Sharp RM. Assessment of the contribution of Leydig cells to the secretion of inhibin by the rat testis. *Mol Cell Endocrinol* 1988; 67 : 113-118.

MacGillivray, I. (1983): pre-eclampsia the hypertensive disease of pregnancy. W.B. Saunders, London, P. 64.

Magann, E.F., William, C.R., Rerry, K.G., Chauban, S.P. (1994) : Factors relevant to mode of preterm delivery with syndrome of HELLP (hemolysis, elevated liver enzymes, and low platelets). *Am J Obstet Gynecol*, 170:1828 – 34.

Mahomed K, James DK, Golding J, McCabe R. Zinc supplementation during pregnancy: a double-blind randomised controlled trial. *BMJ* 1989;299:826–9.

Marcoux S, Berube S, Brisson C, Mondor M. Job strain and pregnancy-induced hypertension. *Epidemiology* 1999;10:376–82.

Massague J. The transforming growth factor beta family. *Ann. Rev. Cell Biol* 1990;6:597-641.

Masse Jacques F, Jean-Clude, M, Marcoux S (1993) : A prospective study of several potential biological markers for early detection of the developing preeclampsia. *Am. J. Obstet. Gynecol.*, 169: 501-508.

Mastrogiannis Ds, O'Brien WF, Krammer I, Benoit R (1991): potential role of endothelin – in normal and hypertensive pregnancies. *Am Obstet Gynecol* 164:1711.

Mattar F, Sibai BM (2000): Eclampsia : VIII. Risk factors for maternal morbidity. *Am J Obstet Gynecol* 182:307.

Maynard SE, Min JY, Merchan J, Lim KH, Li J, Mondal S, Libermann TA, Morgan JP, Sellke FW, Stillman IE, Epstein FH, Sukhatme VP, Karumanchi SA. Excess placental soluble fms-like tyrosine kinase 1 (sFlt1) may contribute to endothelial dysfunction, hypertension, and proteinuria in preeclampsia. *J Clin Invest*. 2003; 111: 649–658.

Mayo KE, Cerelli CM, and Spiess I (1986): Inhibin – A subunit cDNA from porcine ovary and human placenta. *Proceedings of the national Academy of Science (USA)*; 83 5849-5853.

Mazzali M, Hughes J, Kim YG, Jefferson JA, Kang DH, Gordon KL, Lan HY, Kivlighn S, Johnson RJ. Elevated uric acid increases blood pressure in the rat by a novel crystal-independent mechanism. *Hypertension*. 2001; 38: 1101–1106.

McCartney CP. The acute hypertensive disorders of pregnancy, classified by renal histology. *Gynaecologia*. 1969; 167: 214–220.

McCartney CP (1969) : Pathological anatomy of acute hypertension ,of pregnancy *Circulation (Suppl 2)* 30:37.

McCartney CP. Schumacher GFB. Spargo BH (1971): Serum protein in patients with toxemic glomerular lesion. *Am J Obstet Gynecol* 111:580.

McCluggage WG, Ashe P, McGrade H, Maxwell P, and Sloan JM. (1998) : Localization of the cellular expression of inhibin in trophoblastic tissue, *Histopathology* 32 (3) : 252-256.

McKay DO (1965): Disseminated intravascular Coagulation. New York, Harper & row.

McLachlan, R.I.; Healy, D.L. and Robertson, D.M (1987b) circulating immunoreactive inhibin in the luteal phase and early gestation of women undergoing ovulation induction. Fertility and sterility; 48 : 1001 – 1005.

McLachlan, R.I.; Healy, D.L. and Robertson, D.M. (1987b) circulating immunoreactive inhibin in the luteal phase and early gestation of women undergoing ovulation induction. Fertility and sterility; 8 : 1001-1005.

McLachlan, R.I.; Robertson, D.M.; Burger, H G. and DeKrester, D.M (1986a) : the radioimmunoassay of bovine and human follicular fluid and serum inhibin . Mol. Cell Endocrinol ; 64:175.

McLachlan RI, Robertson, D.M.: Burger, HG. And DeKrester, D.M (1986b): Plasma inhibin levels during gonadotropin induced ovarian hyperstimulation for IVF; a new index of follicular function. Lancet; 1:1233-1234.

McLachlan, R.I.; Matsumoto, A.M. and Burger, H G (1988). Relative roles of follicle stimulating hormone and luteinizing hormone in the control of inhibin secretion in normal men. H. Gun, invest 82:1-5.

McLachlan RI, Robertson DM, Healy DL, Burger HG, and DeKrester DM (1987): Circulating immunoreactive inhibin levels during the normal human menstrual cycle J.Clin. Endocrinol. Metab; 65:954-961.

McNatty KP, Hillier SG, Van den Boogaard AMJ, Trimbos-Ketnkar TGM, Reich art. JrLE, and VanHall EV (1983) : Follicular development during the luteal phase of the human menstrual cycle. J.Clin. Endocrinol. Metab; 56:1022.

McNaughton J, Banal M, McGlud P, Nee J, and Burger HG (1992): Age-related Changes in FSH, LH, esteradioal immunoreactive inhibin in women of reproductive age. *Gun. Endocrinal* ; 36 : 336-345.

McParland, P. (1993): Low dose aspirin in pregnancy. *Contemp Rev Obstet Gynaecol*, 5:30-8.

Medamurthy R, Guller MID, Gay VL, NegroVilar A, and plant TM. Evidence that inhibin plays a majo role in the regulation of FSH sefretion in the fully adult male Rhesus monkey (Macace Mulatta). *Endocrinology* 1991;129:389-395.

Mellembakken JR, Hogasen K, Mollnes TE, Hack CE, Abyholm T, Videm V. Increased systemic activation of neutrophils but not complement in preeclampsia. *Obstet Gynecol*. 2001; 97: 371–374.

Melton DA, and weeks DL (1987): A maternal mRNA localized to the vegetal hemisphere in *Xenopus* egg codes for a growth factor related to TGF-B Cell; 51:861-867.

Mersol-Bagr MS, Miller KF, Coi GM Lee AC, and Kim MH (1990). Inhibin suppresses hCG secretion in term, but not first trimester, placenta. *J. Clin.Endocrinol. Metab*; 71: 1294-1298.

Meunier H, Cajander SB, and Roberts VJ. (1988) rapid changes in the expression of innhibin and BB subunits in ovarian cell types during the rat oestruas cycle. *MO!. Endocrinol*; 2:1352-1363.

Meuttier H, cajander SB, and Roberts VJ (1988): Rapid changes in the expression of inhibin and BB subunits in ovarian cell types during the art oestrus cycle. *Mol. Endocrinol*; 2:1352-1363.

Meyer NL, Mercer BM, Friedman SA, Sibai BM. Urinary dipstick protein: a poor predictor of absent or severe proteinuria. *Am J Obstet Gynecol* 1994;170:137–141.

Michael CA, Walters BN, Ritchie J, Beilin L J, Barden A University Department of Medicine, Royal Perth Hospital, Australia ,1997.

Michael Moretti (New York Medical College, USA):*American Journal of Obstetrics and Gynecology/* 2004; 190 ,1184-90

Minami S, Yarnoto AL, and Nakano R (1992): Immunohistochemical localization of inhibin subunits in human placenta, *Obstet. Gynecol*;80:410-414.

Misraji J, Nguyen PL. Urinalysis: when-and when not-to order. 18. Sibai BM. Pitfalls in diagnosis and management of preeclampsia. effects of an herbal mixture MA-471. *Alternat Ther Clin Pract* 1996;3:26–31.

Montani TW. Tumor markers in gynecologic oncology. *Obstet. Gynecol. Surv* 1990; 45:94-105.

Moore A, Krninen LA, and Mather JP. (1994): Inhibins, activins, their binding proteins and receptors : interactions underlying paracrine activity in the testis. *Mol. Cell Endocrinol* : 100:81-86.

Moore TJ., Taylor : T. and Williams, G.H. (1984): Human platelet angiotensin II receptors: regulation by the circulating angiotensin level. *J Clin Endocrinol Metab*, 58:778-82

Morgan T. Craven C. Ualouel JM. Ward K (1999): Angiotensinogen variant is associated with abnormal physiologic change of the uterine spiral arteries in first-trimester deciduas. *Am J Obstet Gynecol* 180:95.

Morris NH. Eaton BM. Dekker S (1996): Nitric oxide, the endothelium, Pregnancy and pre-eclampsia. *Br J Obstet Gynaecol* 103:4.

Moses EK, Lade JA, Guo G, Wilton AN, Grehan M, Freed K, Borg A, Terwilliger JD, North R, Cooper DW, Brennecke SP. A genome scan in families from Australia and New Zealand confirms the presence of a maternal susceptibility locus for pre-eclampsia, on chromosome 2. *Am J Hum Genet.* 2000; 67: 1581–1585.

Moutquin, J.M., Ranaivosoa, C. and Giroux L, (1985): A prospective study of blood pressure in pregnancy: prediction of preeclampsia. *Am J Obstet, Gynecol* 151:19K.

Murai JT, Muzykanskiy E, Taylor RN. Maternal and fetal modulators of lipid metabolism correlate with the development of preeclampsia. *Metabolism.* 1997; 46: 963–967.

Murray N, Homer CSE, Davis GK, Curtis J, Mangas G, Brown MA. The clinical utility of routine urinalysis in pregnancy: a prospective study. *Med J Aust* 2002;177:477–480.

Muttukrishna S, North RA, Morris J, (2000): Serum Inhibin A and Activin A are elevated prior to the onset of pre-eclampsia. *Hum Reprod* 2000; 15: 1640-1645.

Muttukrishna S, Giwnberlain P, Evans LW, Asselin J, Groome Np, and Ledger WL (1999): Amniotic fluid concentration of dimeric inhibins, activin – A and follistatin in pregnancy. *Eur. J. Endocrinol*: 140(5)420-424.

Muttukrishna S, Knight PG, Groome NP, Redman CW, Ledger WL (1997): Activin A and inhibin A as possible markers for preclamsia. *Lancet* : 349:1285-1288.

Muttukrishna S, Fowler PA, Groome Np, Mithell GG, Robertson WR,. Nd Knight PG (1994): seruim concentrations of eimeric inhibin during the spontaneous menstrual cycle and after treatment with exogenous gonadotrohin *Hum Reprod*; 9:1624-1642.

Myatt U, Brewer As. Uangdon O. grockman DE (1992) Attenuation of the vasocunstrictor effects of thromboxane and endothehin by nitric oxide in the human fetal-Placental citrulcation. *Am J Ohstet Gynceocl* 166:224.

Myatt, L. (1986): Eicosanoids and blood pressure regulation. In: *Hypertension in pregnancy proceedings of the 16th study group for the RCOG*, vol.3. USA: Perinatology press, pp. 167-87.

Naeye RU. Frideman EA (1979): Causes of perinatal death associated with gestational hypertension and proteinuria. *Am I Obstet Gvnecol* 133:8.

Nakamura, T., Ito, M. and Matsui, K. (1986): Significance of angiogenesis sensitivity test for prediction PIH. *Obstet Gynecol* 67:388.

National Center for Health Statistics (2000): Birth, marriages, divorces, and deaths: Provisional data for June 1999. *National Vital Statistics Report*, Vol 48, No. 8, 2000

National High Blood Pressure Education Program: Working Group Report on High Blood Pressure in Pregnancy (2000). *Am J Obstet Gynecol* 183:51.

National center for Health statistics (2000) : Birth, marriages, divorces, and deaths: provisional data for June 1999. *National vital statistics report*, Vol 48, No. 8, 2000.

Nelson, J.B. (1987): Doppler ultrasound: Commentary. *Gr J Obstet Gynecol*, 94:929.

Ness RB. Roberts JM (1996): Heterogeneous causes constituting the single syndrome of preeclampsia : A hypothesis and its implications. *Am J Obstet Gynecol* 175:1365.

Neuman, M.M., Roan-El, R., Langer, R., Bukovsky, I. and Caspi, E. (1990): Maternal death caused by HELLP syndrome (with hypoglycemia) Complicating mild pregnancy induced hypertension in twin gestation. *Am J Obstet gynecol*, 162:1727.

Nishi K, Takayanagi R, Yanase T, Haji M, Hasegawa Y, and Nawata H (2000). Inhibin-like immunoreactivity produced by the adrenal gland is circulating in-vivo *Fukuoka-Igaku-Zasshi*; 91 (1) : 8-20 (English Abstract).

Nishida M, Jirni S, Haji L, Hayashi I, Kai I, and Tasaka H (1991) : Juvenile granulosa cell tumor in association with a high serum inhibin level. *Gynecol. Oncol*; 40:90-94.

Page EW. The relation between hydatid moles, relative ischemia of the gravid uterus, and the placental origin of eclampsia. *Am J Obstet Gynecol.* 1939; 37: 291–293.

Panza JA, Cannon RO, eds. *Endothelium, Nitric Oxide, and Atherosclerosis: From Basic Mechanisms to Clinical Implications.* Armonk, NY: Futura; 1999.

Patricia Chan from St. George Hospital, Kogarah, New South Wales, 2005-04-07 11:46:24 -0400 (Reuters Health) / *BJOG* 2005;112:280-285.

Papageorghiou AT, Yu CK, Cicero S, Bower S, Nicolaides KH. Second-trimester uterine artery Doppler screening in unselected populations: a review. *J Matern Fetal Neonatal Med.* 2002; 12: 78–88.

Papageorghiou AT, Campbell S. First trimester screening for preeclampsia. *Curr Opin Obstet Gynecol.* 2006 18:594-600

Peiris H, Weerasekera DS ,Department of Obstetrics and Gynaecology, Faculty of Medical Sciences, University of Sri Jayewardenepura, Nugegoda, Sri Lanka, dsw@sltnet.lk ,1997.

Pelkey TJ freirson F, Mills SF, and Stoler MH (1999) detection of the cr-subunit of inhibin in trophoblastic neoplasia. *Hum. Pathol*; 30(1): 26-31.

Pervin Vural, Department of biochmiestry and clinical biochemistry, Istanbul Medical Faculty, Capa 34390, Istanbul, Turkey. (2002).

Phipps MG, Hogan JW, Pdpert JF, lambertMesserlian G.M, Canick LA, and sefier DB (2000): Progesterone, inhibin and hCG multiple marker stratergy fo differentiate viable from non-biable proengnacies. *Obstet. Gynecol* : 95 (2) 227-231.

Piacentini L, Gray M, Honbo NY, et al. Endothelin-1 stimulates cardiac fibroblast proliferation through activation of protein kinase C. *J Mol Cell Cardiol.* 2000;32:565–576.

Poston L, Briley AL, Seed PT, Kelly FJ, Shennan AH. Vitamin C and vitamin E in pregnant women at risk for pre-eclampsia (VIP trial): randomised placebo-controlled trial. *Lancet*; 2006;367:1145-54.

Powers RW, Bodnar LM, Ness RB, Cooper KM, Gallaher MJ, Frank MP, Daftary AR, Roberts JM. Uric acid concentrations in early pregnancy among preeclamptic women with gestational hyperuricemia at delivery. *Am J Obstet Gynecol.* In press.

Powers and colleagues,2001 RW, Evans RW, Ness RB, Crombleholme WR, Roberts JM. Homocysteine and cellular fibronectin are increased in preeclampsia, not transient hypertension of pregnancy. *Hypertens Pregnancy.* 2001; 20: 69–77.

Puls LE, Hamous J, Morrow MS Schmneyer A, MacLaughlin DI, and C'astracane D. Recurrent ovarian sex cord tumor with annular tubules: Tumor marker and chemotherapy experience. *Gynecol. Oncol* 1994;54:396-401.

Rae GA, Henriques MGMO. Endothelins in inflammation. In Said SI, ed. *Proinflammatory and Antiinflammatory Peptides*. New York: Marcel Dekker Inc; 1998:163–202. Lenfant C, ed. *Lung Biology in Health and Disease*, vol. 112.

Raijmakers MT, Dechend R, Poston L. Oxidative stress and preeclampsia: rationale for antioxidant clinical trials. *Hypertension.* 2004; 44: 374–380.

Ramón Hermida University of Vigo, Campus Universitario, Spain,
Hypertension 2004; 44: 1-6.

Redman CW, Sacks GP, Sargent IL. Preeclampsia: an excessive maternal inflammatory response to pregnancy. *Am J Obstet Gynecol.* 1999; 180: 499–506.

Redman CWG, Sargent IL. Placental debris, oxidative stress and pre-eclampsia. *Placenta.* 2000; 21 (7): 597–602.

Regan CL, Levine R, Baird DD, Ewell MG, Martz KL, Sibai BM, Rokach J, Lawson JA, FitzGerald GA. No evidence for lipid peroxidation in severe preeclampsia. *Am J Obstet Gynecol.* 2001; 185: 572–578.

Risler T, Erley CM. Beeinflussung der renalen Hamodynamik und der Proteinurie bei Patienten mit arterieller Hypertonie und Nierenerkrankungen. *Z Kardiologie* 1993; 82 [Suppl. 4]: 39-44

Roberts VJ, Barth S, El Roeiy A, and Yen SSC (1993) : Expression of inhibin α subunits and follistatin mRNA and proteins in ovarian follicles and the corpus luteum during the human menstrual cycle. *J. Clin. Endocrinol. Metab.* 77:1402-1410.

Roberts JM. Endothelial dysfunction in preeclampsia. *Semin Reprod Endocrinol.* 1998; 16: 5–15.

Roberts JM, Cooper DW. Pathogenesis and genetics of pre-eclampsia. *Lancet.* 2001; 357: 53–56.

Roberts JM, Lain KY. Recent insights into the pathogenesis of pre-eclampsia. *Placenta*. 2002; 23: 359–372.

Roberts JM, Pearson G, Cutler J, Lindheimer M. Summary of the NHLBI Working Group on Research on Hypertension During Pregnancy. *Hypertension*. 2003; 41: 437–445.

Roberts JM, Bodnar LM, Lain KY, Hubel CA, Markovic N. Uric acid is as important as proteinuria in identifying fetal risk in women with gestational hypertension. *Hypertension*. In press.

Robertson DM, Devos FL, Foulds LM, Mclachlan RL, Gurger HG, Morgan FJ, Hearn MTW, and Dekrester DM (1986): Isolation of 3 ik –daltons form of inhibin form bovine follicular fluid. *Mol Cell endocrinal*; 44:271-277.

Rodesch F, Simon P, Donner C, Jauniaux E. Oxygen measurements in endometrial and trophoblastic tissues during early pregnancy. *Obstet Gynecol*. 1992; 80: 283–285.

Roggensack AM, Zhang Y, Davidge ST. Evidence for peroxynitrite formation in the vasculature of women with preeclampsia. *Hypertension*. 1999; 33: 83–89.

Roth, G.J., and Majerus, P.W. (1975) : The mechanism of aspirin on human platelets I acetlation fraction protein. *J Chin invest*, 65:624-32.

Rubanyi GM, Webb DJ 1994 endothelins : molecular biology, biochemistry, pharmacology, physiology and pathophysiology. *Pharmacol Rev* 46 : 325-415.

Rubanyi GM, vanhoutte PM 1985 Hypoxia releases a vasoconstrictor substance from the cnaine vascular endothelium. *J Physiol* 164: 45-6

Sabai BM. Pitfalls in diagnosis and management of preeclampsia. *Amer J Ob Gyn* 1996;3:26–31.

Saudan PJ, Brown MA, Farrell T, Shaw L. Improved methods of assessing proteinuria in hypertensive pregnancy. *Brit J Ob Gyn* 1997;104:1159–1164.

Sibai et al,1995 BM, Gordon T, Thom E, Caritis SN, Klebanoff M, McNellis D, Paul RH. Risk factors for preeclampsia in healthy nulliparous women: a prospective multicenter study. The National Institute of Child Health and Human Development Network of Maternal-Fetal Medicine Units. *Am J Obstet Gynecol.* 1995; 172: 642–648.

Simmer K, Iles CA, James C, Thompson RP. Are iron-folate supplements harmful? *Am J Clin Nutr* 1987;45:122–5.

Solomon CG, Seely EW. Hypertension in pregnancy—a manifestation of the insulin resistance syndrome? *Hypertension.* 2001; 37: 232–239.

Spencer K, Yu CKH, Cowans NJ, Otigbah C, Nicolades KH. Prediction of pregnancy complications by first-trimester maternal serum PAPP-A and free β -hCG and with second trimester uterine artery Doppler. *Prenatal Diagn.* 2005 25:949-953

Stamler FW. Fatal eclamptic disease of pregnant rats fed anti-vitamin E. Stress diet. *Am J Pathol.* 1959; 35: 1207–1231.

Starzyk KA, Pijnenborg R, Salafia CM. Decidual and vascular pathophysiology in pregnancy compromise. *Semin Reprod Endocrinol.* 1999; 17: 63–72.

Tarsio JF, Reger LA, Furcht LT. Molecular mechanism in basement membrane complications of diabetes: alterations in heparin, laminin, and type IV collagen association. *Diabetes* 1988; 37: 532-539

Thadhani R, Stampfer MJ, Hunter DJ, Manson JE, Solomon CG, Curhan GC. High body mass index and hypercholesterolemia: risk of hypertensive disorders of pregnancy. *Obstet Gynecol.* 1999; 94: 543–550.

Thomas H. Maugh II LOS ANGELES TIMES **2006** .

Titov VN, Tarasov AV, Sokolova RI, Volkova EI, Arabidze GG. A comparison of selective microproteinuria with histomorphology of the kidneys in patients with arterial hypertension. *Lab Deb* 1989; 43-48

Toner JP, Philput CB, Jounes GS, and Muasher SJ. (1991): basal FSH level is better predictor in IVF performance than age. *Fertil. Steril* 1991;63-107.

Trupin LS, Simon LP, Eskenazi B (1996): Uteroplacental blood flow velocity time waveforms in normal and complicated pregnancy. *BR J Obstet Gynecol* 92:39.

Tunbridge, R.D.G. and Donnai, P. (1983): Pregnancy-associated hypertension, a comparison of its prediction by roll-over test and plasma noradrenaline measurement in 100 primigravidae. *Br J Obstet, Gynecol* 90:1027-1032.

Uotila J, Solakivi T, Jaakkola O, Tuimala R, Lehtimäki T. Antibodies against copper-oxidised and malondialdehyde-modified low density lipoproteins in pre-eclamptic pregnancies. *Br J Obstet Gynaecol.* 1998; 105: 1113–1117.

van Dijk M, Mulders J, Poutsma A, Konst AA, Lachmeijer AM, Dekker GA, Blankenstein MA, Oudejans CB. Maternal segregation of the Dutch preeclampsia locus at 10q22 with a new member of the winged helix gene family. *Nat Genet.* 2005; 37: 514–519.

Villar J, Abdel-Aleem H, Merialdi M, et al. World Health Organization randomized trial of calcium supplementation among low calcium intake pregnant women. *Am J Obstet Gynecol* 2006;194:639–49.

von Dadelszen P, Wilkins T, Redman CWG. Maternal peripheral blood leukocytes in normal and pre-eclamptic pregnancies. *Br J Obstet Gynaecol.* 1999; 106: 576–581.

Wagner OF, Christ G, Wojta J, et al 1992 polar secretion of endothelin-1 by cultured endothelial cells *J Biol Chem* 267 : 16066-8

Walsh, S.W. (1985): Preeclampsia: An imbalance in placental prostacyclin and thromboxane production. *Am J Obstet Gynecol*, 152:335.

Wang, Q.F.; Farnworth, P.G.; Findlay, J.K. and Burger, H.G (1988): the effect of pure 31 K-daltons bovine inhibin on the specific binding of GnRH to rat anterior pituitary cells in culture. *Endocrinology*; 123:216.

Ward K, Hata A, Jeunemaitre X, Helm C, Nainikawa C, Farrington PF, Suzumori K, Tomoda S, Berrebi S, Sasaki M, Corvol P, Lifton RP, Lalouel JM (1993): A molecular variant of angiotensinogen associated with preeclampsia (comment). *Nat genet* 59:1-7.

Waugh JJ, Clark TJ, Divakaran TG, Khan KS, Kilby MD. Accuracy of urinalysis dipstick techniques in predicting significant proteinuria in pregnancy. *Obstet Gynecol* 2004;103:769–777.

Weiner, C.P. and Brandt, J. (1982): Plasma antithrombin III activity in normal pregnancy. *Obstet gynecol* 161:1599.

Welt CK, McNichol DJ, Taylor AE, and Hall IE (1999): Female reproductive aging is marked by decreased secretion of dimeric inhibin. *J. Clin. Endocrinol. Metab*; 85(1): 105-111.

Wenstrom KD, Chu DC, Owen J, and Boots L (1998): Maternal serum alpha-fetoprotein and dimeric inhibin-A detect aneuploidies other than Down's syndrome. *Am. J. Obstet. Gynecol*: 179(4):966-970.

Wergeland E, Strand K. Work pace control and pregnancy health in a population-based sample of employed women in Norway. *Scand J Work Environ Health* 1998;24:206–12.

Woodruff TK, and Mather JP (1995): Inhibin, activin and the female reproductive axis. *Annu. Rev. Physiol*; 57:219-244.

Woodruff TK, Lyon RJ, Hansen SE, Rice GC, and Mather JP (1990): Inhibin and activin locally regulate rat ovarian folliculogenesis. *Endocrinology*; 127:3196-3205.

Xiong X, Mayes D, Demianczuk N, Olson DM, Davidge ST, Newburn-Cook C, Saunders LD. Impact of pregnancy-induced hypertension on fetal growth. *Am J Obstet Gynecol.* 180: 207–213, 1999.

Yanagisawa M, Kurihara H, Kimura S, et al 1988 A novel potent vasoconstrictor peptide produced by vascular endothelial cells. *Nature* 332: 411-15

Yasir Qazi and James; eMedicine Specialties > Medicine, Ob/Gyn, Psychiatry, and Surgery Nephrology, Last Updated: June 22, 2005.

Ying SY. Inhibins, activins and follistatins: Gonadal proteins modulating the secretion of follicle-stimulating hormone. *Endocrine Rev* 1988;9:267-293.

Ylikorkala, O. Viinikka, L. Makila, U.M. (1985): prostacyclin and thromboxane in gynecology and obstetrics *obstet gynecol*, 152:318-29.

Zeeman GG, Alexander JM, McIntire DD, Devaraj S, Leveno KJ. (2003): Homocysteine plasma concentration levels for the prediction of preeclampsia in women with chronic hypertension. *Am J Obstet Gynecol.* Aug; 189(2): 574-6.

Zelinski Wooten MB, Hutchison JS, Chandrasekhar YA, Wolf DP, and Stouffer RL (1992): administration of human chorionic gonadotropin after follicular development: further titration of LH-RH surge requirements for ovulatory changes in primate follicles. I. *Gen. Endocrinol. Metab*; 75:502.

Zhang I, Klebanoff Ma, Levine RI, Pun M, Moyer P (1999): the puzzling association between smoking and hypertension during smoking and hypertension during pregnancy. *Am J Obstet Gynecol* 181:1407

Zhou Y, Genbacev O, Damsky CH, Fisher SJ. Oxygen regulates human cytotrophoblast differentiation and invasion: implications for endovascular invasion in normal pregnancy and in pre-eclampsia. *J Reprod Immunol.* 39: 197–213, 1998.

Zuchelli P, Zuccala A. Primary hypertension—how does it cause renal failure? *Nephrol Dial Transplant* 1994; 9: 223-225

Zusterzeel PL, Rutten H, Roelofs HM, Peters WH, Steegers EA. Protein carbonyls in decidua and placenta of pre-eclamptic women as markers for oxidative stress. *Placenta.* 2001; 22: 213–219.