

REFERENCES

- Aadland, E. and Fagerhol, M.K. (2002):** Faecal calprotectin: a marker of inflammation throughout the intestinal tract. *Eur. J. Gastroenterol. Hepatol.*, 14, 823 – 825.
- Abdul-Karim, R. and Assali, N.S. (1961):** Pressor response to angiotonin in pregnant and nonpregnant women. *Am. J. Obstet. Gynecol.*, 82: 246.
- Aguiar – Passeti, T.; Postel, E.; Sorg, C. and Mariano, M. (1997):** Epithelioid cells from foreign-body granuloma selectively express the calcium-binding protein MRP-14, a novel down-regulatory molecule of macrophage activation. *J. Leuk. Biol.*, 62, 652 – 858.
- Ahmed, Y.; Van Iddekinge, B.; Paul, C.; Sullivan, M.H.F. et al. (1993):** Retrospective analysis of platelet members and volumes in normal pregnancy and in preeclampsia. *Br. J. Obstet. Gynecol.*, 100: 212.
- Akiyama, H.; Ikeda, K.; Katoh, M.; McGeer, E.G.; McGeer, P.L. (1994):** Expression of MRP14, 27E10, interferon-alpha and leukocyte common antigen by reactive microglia in postmortem human brain tissue. *J. Neuroimmunol.*, 50, 195 – 201.
- Alia, BS.; Nejad, SS. (2002):** Nifedipine or hyralazine as a first-line agents control hypertension in severe preclampsia. *Acta Obstet Gynecol Scand.* 81 (1) : 25 – 30.
- Anderson, K.B. and Sletten, K.(1988):** Leukocyte L1 protein and the cystic fibrosis antigen. *Nature*, 332 : 688.
- Anderson, K.B.; Sletten, K.; Berntzen, H.B.; Dale, I.; Brandtzaeg, P.; Jellum, E. et al. (1988):** The leukocyte L1 protein : identity with the cyctic fibrosis antigen and the calcium – binding MRP -8 and MRP-14 macrophage components. *Scand. J. Immunol.*, 28:241 -5.

- Anggard, E.; Galton, S.; Sterzel G. (1998):** The fate of radioiodinate endothelin-1 endothelin 3 in the rat. *J. Cardiovasc. Pharmacol.* 13: 546-549.
- Anumba, D.O.C.; Ford, G.A.; Boys, R.J. and Robson, S.C. (1999):** Stimulated nitric Oxide release and nitric oxide sensitivity in forearm arterial vasculature during normotensive and preeclamptic pregnancy. *Am. J. Obstet. Gynecol.*, 181: 1479.
- Aquilina, J.; Barnett, A.; Thompson, O. and Harrington, K. (1999):** Second –trimester maternal serum inhibin A concentration as an early marker for preclampsia. *Am. J. Obstet. Gynecol.*, 181: 131.
- Arias F., (1993):** "Pre-eclampsia and eclampsia" in Fernando Arias (edit) practical guide to high-risk pregnancy and delivery. 2nd ed. Mosby year book P. 1983 – 210.
- Arnouds, J.G.; Houthoff, H.J.; Weits, J.; Vellenga, E. and Huisjes, HJ. (1986):** A syndrome of liver damage and intravascular coagulation in the last trimester of normotensive pregnancy. A clinical and histopathological study. *Br. J. Obstet., Gynecol.* 93 : 145.
- Arvesen, K.; Kontny, F.; Toss, H.; Wallentin, L.; Roseth, A.; Sundset, A. et al., (1996):** Calprotectin : a novel plasma marker of granulocyte activation in acute coronary syndrome *Eur. Heart. J.*, 17 : 429.
- Ashour, A.M.N.; Lieberman, E.S.; Wilkins Haug, L.E. and Repke, J.T. (1991):** The value of elevated second trimester β -human chorionic gonadotropin in predicting development of preeclampsia. *Am. J. Obstet. Gynecol.*, 176: 438.

- Audibert, F.; Friedman, S.A.; Frangieh, A.Y. and Sibai B.M. (1996):** Diagnostic criteria for HELLP syndrome: Tedious or "HELLPfull". Am. J. Obstet Gynecol. 174: 454.
- Baker, P.N.; Krasnow, J.; Roberts, J.M. and Yeo, K. (1995):** Elevated serum levels of vascular endothelial growth factor in patients with preeclampsia. Obstet. Gynecol., 86: 815.
- Baker, Pn.; Dividge, ST. and Roberts, J.M. (1999):** Plasma from women with pre-eclampsia increase endothelial cell nitric oxide producing. Hypertension. 244 – 248.
- Ballegeer, VC.; Spitz, B.; De Bene, LAM., Van Assche, AF.; Hidajat M., and Criel, A.M. (1992):** Platelet activation and vascular damage in gestational hypertension Am. J. Obstet. Gynecol., 166 : 629.
- Bardequez, A.D.; McNerney, R.; Frieri, M.; Verma, U.L. and Tejani, N. (1991):** Cellular immunity in preeclampsia: Alterations in T-lymphocyte subpopulations during early pregnancy. Obstet. Gynecol., 777-859.
- Barden, A.; Graham, D.; Beilin, L.J.; Ritchie, J.; Baker, R. and Walters, B.N. (1997):** Neutrophil CD11B expression and neutrophil activation in pre-eclampsia. Clin. Sci. (Colch);92: 37.
- Barron, WM.; Keckerling, P.; Hibbard, JU.; Fister, S. (1999):** Reducing unnecessary coagulation testing in hypertensive disorders of pregnancy. Obstet. Gynecol., 94: 364.
- Barry, C.; Fox R. and Stirrat G. (1994):** Upper abdominal pain in pregnancy may indicate pre-eclampsia. B.M.J., 308 – 1562.
- Barton, J.R.; Sibai, B.M.; Whybrew, W.D. and Mercer, B.M. (1991):** Urinary endothelin-1: Not a useful marker for preeclampsia. Am. J. obstet Gynecol., 16: 599.

- Barton, JR.; Riely, CA.; Adamee, TA.; Shanklin, DR.; Khoury, AD. And Sibai BM. (1992):** Hepatic histopathologic condition does not correlate with laboratory abnormalities in HELLP syndrome. Am. J. Obstet. Gynecol 167 : 1538.
- Beaufils, M.; Donsimoni, R.; Uzan, S.; Colau, JC. (2001):** Prevention of preeclampsia by early antiplatelet therapy. Lancet., 840 – 842.
- Beer, A.E. (1978):** Possible immunological bases of preeclampsia eclampsia. Semin. Perinatol., 2: 39.
- Behatia, RK.; Bottoms, SF.; Saleh, AA.; Norman, GS. And Mammen E.F. (1987):** Mechanisms for reduced colloid osmotic pressure in pre-eclampsia. Am. J. Obstet. Gynecol., 157 : 106.
- Belenko, M.; Chanana, A.D.; Joel, D.D.; Fagerhol, M.K.; Janoff (1986):** Tracing the leukocyte marker protein in lung fluids and lung – draining lymph nodes during endotoxemia in sheep. Am. Rev. Resp. Dis., 133 : 866 – 74.
- Belfort MA. And Saade G.R. (1993):** Retinal vasospasm associated with visual disturbance in pre-eclampsia color flow Doppler findings. Am. J. Obstet Gynecol., 169 : 523.
- Belizan, JM.; Villar, J. (2002):** The relationship between calcium intake and oedema, proteinuria and hypertension during pregnancy. An hypothesis. Am. J. Clin. Nutr., 33: 2202.
- Belo, L.; Santos-Silva, A.; Caslake, M.; Cooney, J.; Pereira-Leite, L.; Quintanilha, A. and Rebelo, I. (2003):** Neutrophil activation and C-Reactive protein concentration in pre-eclampsia. Hypertension In Pregnancy; 22: 129.
- Benedetto, C.; Marozio, L.; Nerio, L.; Giarola, M.; Volpe, A. and Facchinetti, F. (2000):** Increased L-citrulline / L- arginine plasma ratio in severe preeclampsia. Obstet. Gynecol., 96: 395.

- Benirschke, K. and Kaufmann P. (1995):** "Maternal diseases complicating pregnancy" in kurt Benirschke and peter Kaufmann (edit) Pathology of the human placenta 3rd ed. Springer-Verlag New York Inc., P. 493.
- Benyo, D.F.; Adatisa, P. and Conrad, K.P. (2000):** Levels of inflammatory cytokines in normal term and preeclamptic placentas and their regulation by oxygen. J. Soc. Gynecol. Investig., (Abstr. 894), 7 (1) (Suppl.).
- Berntzen, H.B. and Fagerhol, M.K. (1988):** L1, a major granulocyte protein : antigenic properties of its subunits. Scand J. Clin. Lab Invest., 48 : 647 – 52.
- Berntzen, H.B.; Endresen, G.K.; Fagerbol, M.K.; Spiechowicz, J.; Mowinckel, P. (1991):** Calprotectin (the L1 protein) during surgery in patients with rheumatoid arthritis. Scand. J. Clin. Lab. Invest., 51 : 643 – 50.
- Berntzen, H.B.; Fagerhol, M.K. (1990):** L1, a major granulocyte protein; isolation of high quantities of its subunits. Scand. J. Clin. Lab. Invest., 50 : 769-74.
- Berntzen, H.B.; Fagerhol, M.K.; Ostensen, M.; Mowinckel, P.; Hryeraal, H.M. (1991):** The L1 protein as a new indicator of inflammatory activity in patients with juvenile rheumatoid arthritis. J. Rheumatol., 18 : 1338.
- Berntzen, H.B.; Munthe, E. and Fagerhol, M.K. (1989):** A longitudinal study of the leukocyte protein L1 as an indicator of disease activity in patients with rheumatoid arthritis. J. Rheumatol., 16 : 1416 -20.
- Berntzen, H.B.; Olmez, U.; Fagerhol, M.K.; Munthe, E. (1991):** The leukocyte protein L1 in plasma and synovial fluid from patients

with rheumatoid arthritis and osteoarthritis. *Stand. J. Rheumatol.*, 20 : 74 – 82.

Bewley, S.; Copper, D. and Campbell, S. (1991): Doppler investigation of the uteroplacental blood flow resistance in the second trimester. A screening study for preeclampsia and intrauterine growth retardation. *Br.J. Obstet. Gynecol.*, 98: 871.

Bhardwaj, R.s.; Zolt, C.; Zwadlo- Klarwasser, G.; Roth, J.; Goebeler, M.; Mahnke, K.; Meinardus-Hager, G. and Sorg, C. (1992): The calcium-binding proteins MRP8 and MRP14 form a membrane-associated heterodimer in a subset of monocytes/macrophages present in acute but absent in chronic inflammatory lesions. *Eur. J. Immunol.*, 22, 1891 – 1897.

Bjerke, K.; Halstensen, T.S.; Jahsen, F.; Pulford, K. and Brandtzaeg, P. (1993): Distribution of macrophages and granulocytes expressing L1 protein (calprotectin) in human Peyer's patches compared with normal ileal lamina propria and mesenteric lymph nodes. *Gut*; 34: 1357 – 63.

Bodnar, L.M.; Catov, J.M.; Klebanoff, M.A.; Ness, R.B.; Roberts, J.M. (2007): Prepregnancy body mass index and the occurrence of severe hypertensive disorders of pregnancy. *Epidemiology*; 2:234.

Bogumil, T.; Rieckmann, P.; Kubuschok, B.; Felgenhauer, K. and Bruck, W. (1998): Serum levels of macrophage-derived protein MRP-8/14 are elevated in active multiple sclerosis. *Neurosci. Lett.*, 247, 195 – 197.

Braekke, K.; Holthe, M.R.; Harsem, N.K.; Fagerhol, M.K.; Staff, A.C. (2005): Calprotectin, a marker of inflammation, is elevated in the maternal but not in the fetal circulation in pre-eclampsia. *Am J Obstet. Gynecol.*; 193: 227.

Brandtzaeg, P.; Dale, I. and Fagerhol, M.K. (1987): Distribution of a formalin – resistant myelomonocytic antigen (L1) in human tissues. A comparison with other leukocyte markers by paired immunofluorescence and immunoenzyme staining. Am. J. Clin. Pathol., 87 : 681 – 99.

Brandtzaeg, P.; Dale, I. and Fagerhol, M.K. (1987): Distribution of a formalin resistant myelomonocytic antigen (L1) in human tissues. 2. Normal and aberrant occurrence in various epithelia. Am. J. Clin. Pathol., 87 : 700 – 7.

Brandtzaeg, P.; Jones, D.B.; Flavell, D.J. and Fagerhol, M.K. (1988): Mac387 antibody and detection of formalin resistant myelomonocytic L1 antigen. J. Clin. Pathol., 41 : 963 – 70.

Brandtzaeg, P.; Dale, I.; Gabrielsen, T.O. (1992): The leukocyte protein L1 (calprotectin): useless as an immunohistochemical marker antigen and putative biological function. Histopathology ; 21: 191-6.

Brown, F.J.; Zommit, VC.; Lowes, A. (2000): Capillary permeability and extra-cellular fluid volumes in pregnancy-induced hypertension. Clin. Sci., 77 : 599.

Browne, F.J. (1946): Sensitization of the vascular system in preeclamptic toxemia and eclampsia. Br. J. Obstet. Gynecol., 53: 50.

Brownlee, M.; Cerami A. and Vlassara H. (1988): Advanced glycosylation end products in tissue and the biochemical basis of diabetic complications. New Eng. J. Med., 318: 1315.

Brubaker, D.B.; Ross, M.G.; Marinoff, D. (1992): The function of elevated plasma fibronectin in preeclampsia. Am. J. Obstet. Gynecol., 166: 526.

- Brun, J.G.; Cuida, M.; Jacobson, H.; Kloster, R.; Johannessen, A.C. I Hoyeraal, H.M. and Jonsson, R. (1994):** Sjögren's syndrome in inflammatory rheumatic diseases: analysis of the leukocyte protein calprotectin in plasma and saliva. *Scand. J., Rheumatol.*, 23, 114 – 118.
- Brun, J.G.; Haaland, G.; Haga, H.J.; Fagerhol, M.K.; Jonsson, R. (1995):** Effects of calprotectin in avridine – induced arthritis. *APMIS*, 103 : 233 – 40.
- Brun, J.G.; Ulvestad, E.; Fagehol, M.K.; Jonsson, R. (1994):** Effects of human calprotectin (LI) on in vitro immunoglobulin synthesis *Scand J Immunol* , 40: 675-80.
- Brun, J.G.; Ulvestad, E.; Fagerhol, M.K. and Jonsson, R. (1994):** Effects of human calprotectin (L1) on in vitro immunoglobulin synthesis. *Scand. J. Immunol.*, 40, 675- 680.
- Brunner, H.R. and Gravas, H. (1975):** Vascular damage in hypertension. *Hosp. Pract.*, 10: 97.
- Caron, C.; Goudemaud, J.; Marey, A.; Beague, D.; Ducroux, G. et al., (1991):** Are haemostatic and fibrinolytic parameters predictors of preeclampsia in pregnancy associated hypertension? *Thromb. Haemost.*, 66: 410.
- Cassatella, M.A. (1995):** The production of cytokines by polymorphonuclear neutrophils. *Immunol. Today*, 16, 21 – 26.
- Chamberlain, G. and Hamilton-Fairley, D. (1999):** Lecture notes on Obstetrics and Gynecology. 149.
- Chan, P.; Brown, M.; Simpson, J.M. and Davis, G. (2005):** Proteinuria in pre-eclampsia: how much matters? *Br J Obstet Gynaecol*; 112:280.

- Chang, J.K.; Roman, C. and Heymann, M.A. (1992):** Effect of endothelium –derived relaxing factor inhibition on the umbilical – placental circulation in fetal lambs in utero. Am. J. Obstet. Gynecol., 166: 727.
- Chappell, L. and Bewley, S. (1998):** The role of uterine artery Doppler. Br. J. Obstet. Gynecol., 105: 379.
- Chesley, L.C. and Coopoer, D.W. (1986):** Genetics of hypertension in pregnancy: possible single, gene control of preeclampsia and eclampsia in the descendarts of eclamptic women. Br. J. Obstet. Gynecol., 93: 898.
- Chesley, L.C.; Annitto, J.E. and Cosgrove, R.A. (1968):** The familial factor in toxemia of pregnancy. Obstet. Gynecol. 32: 303.
- Chesley, L.C., And Cooper, D.W. (1986):** The role of cachectin/ TNF in endotoxic shock and cachexia. Immunology, 9 : 28.
- Clark, B.A.; Halvorson, L.; Sachs, B. and Epstein, F.H. (1992):** Plasma endothelin levels in preeclampsia: Elevation and correlation with uric acid levels and renal impairment. Am. J. Obstet. Gynecol., 166: 962.
- Clark, B.R.; Kelly, S.E. and Flemming, S. (1990):** Calgranulin expression and association with the keratinocyte cytoskeleton. J. Pathol., 160 : 25 – 30.
- Clohessy, P.A. and Golden, B.E. (1995):** Calprotectin mediated zinc chelation as a biostatic mechanism in host defence. Scand. J. Immunol., 42 : 551-556.
- Clohessy, P.A. and Golden, B.E. (1996):** The mechanism of calprotectin's candidastic activity appears to involve zinc chelation. Biochem. Soc. Trans., 24 : 309S.

- Cnossen, J.S.; de Ruyter-Hanhijarvi, H.; van der Post, J.A.; Mol, B.W.; Khan, K.S.; Ter Riet, G. (2006):** Accuracy of serum uric acid determination in predicting pre-eclampsia: a systematic review. *Acta Obstet. Gynecol. Scand.*, 85: 519.
- Cohen, J.J. and Duke, R.C. (1984):** Glucocorticoid activation of a calcium-dependent endonuclease in thymocyte nuclei leads to cell death. *J. Immunol.*, 132, 38 – 42.
- Coleman, N. and Stanley, M.A. (1994):** Expression of the myelomonocytic antigens CD36 and L1 by keratinocytes in squamous intraepithelial lesions of the cervix. *Hum Pathol.*, 25 : 73 -79.
- Conrad, K.P. and Vernier, K.A. (1989):** Plasma level, urinary excretion and metabolic production of cGMP during gestation in rats. *Am. J. physiol.*, 257: R847.
- Conrad, K.P. and Davis, A.K. (1999):** Nitric oxide synthase activity in placenta from women with preeclampsia. *Placenta* 16 (8): 691 – 699.
- Coonrod, D.; Hickok, D.E.; Zhu, K.; Esterlin, T.R. And Daling, J.R. (1995):** Risk factors for pre-eclampsia in twin pregnancies: A population-based cohort study. *Obstet. Gynecol.*, 85: 465.
- Cooper, D.W. and Liston, W.A. (1979):** Genetic control of severe preeclampsia. *J. Med. Gent.*, 16 409.
- Cornish, C.J.; Devery, J.M.; Poronnik, P.; Lackmann, M.; Cook., K.L. and Geczy, C.L. (1996):** S100 protein CP-10 stimulates myeloid cell chemotaxis without activation. *J. Cell. Physiol.*, 166, 427 – 437.
- Cotter, A.; Molloy, A.; Scott, J.M. and Daly, S.F. (2001):** Elevated plasma homocysteine in early pregnancy: A risk factor for the

development of severe preeclampsia. Presented at the 21st Annual Meeting of the Society of Maternal – Fetal Medicine, February, 5-10, Held in Reno, Nevada.

Crane, S.; Dye T.; Patel, V.; Aubry, R. and Artal R. (1996): Association of pre-pregnancy obesity. *Gynecol.* 85; 465.

Cuckle, H.; Sehmi, J. and Jones, R. (1998): Maternal serum inhibin A can predict preeclampsia. *Br. J. Obstet. Gynecol.*, 105: 1101.

Cunningham, F.G.; Macdonald, P.C.; Gant, N.H.; Levens, K.J. And Gilstrap, L.C. (2001): Hypertensive disorders in pregnancy. *Williams obstetrics* 21st ed Chapter 24, Pg. 657 – 690.

Cunnane, S.C., "Zinc: Clinical and Biochemical Significance", CRC (1988): Relationship between urine beta-2-microglobulin and platinum levels during cisplatin treatment. *Press, Boca Raton, FL*, PP. 69 – 98.

Cunningham F.G. Mac Donald, P.C.; Gant N.F.; Leveno, K.J.; Gilsrap, LC. (1997): Hypertensive disorder in pregnancy in: *Williams obstetrics. Prentice Hall international inc* P. 693.

Cunningham, F.G.; Cox, K. and Gant. N.F. (1975): Further observations on the nature of pressor responsivity to angiotensin II in human pregnancy. *Obstet. Gynecol.* ,146: 581.

Cunningham, F.G.; Gant, N.F.; Gant, N.F.; Leveno, K.J. et al. (2001): Hypertensive disorders of pregnancy. *Williams Obstetrics. Vol. 4, Chap. 24, P. 568- 618.*

Cunningham, F.G. and Lindheimer M. (1992): Hypertension in pregnancy. *New Eng., J. Med.*, 326 : 927.

Dale, I. and Brandtzag, P. (1989): Expression of the epithelial I-1 antigen as immunohistochemical marker of squamous cell carcinoma of the lung. *Histopathology*, 14 : 493 – 502.

- Dale, I.; Brandtzaeg, P.; Fagerhol, M.K. and Scott, H. (1985):** Distribution of a new myelomonocytic antigen (L1) in human peripheral blood leukocytes. *Am. J. Clin. Pathol.*, 84 : 24 – 34.
- Dale, I.; Fagerhol, M.K. and Naesgaard, I. (1983):** Purification and partial characterization of a highly immunogenic human leucocyte protein, the L1 antigen. *Eur. J. Biochem.*, 134:1-6.
- Davey, D.A. (1995):** Hypertensive disorders in pregnancy. In whitfield, C.R. (edit.) *Dewhurst's textbook of obstetrics and gynecology for postgraduates* 5th ed. Blackwell science Ltd. London. P: 175.
- Davey, DA. And MacGillivray, I. (1988):** The classification and definition of the hypertensive disorders of pregnancy *Am. J. Obstet. Gynecol.*, 158: 892.
- Dawson-Saunders, B. and Trapp, R.G. (1990):** Basic and clinical biostatistics. 1: 240.
- Dekker, G.A. and Sibai, B.M. (1998):** Etiology and pathogenesis of preclampsia. *Current concepts. Am. J. Obstet. Gynecol.*, 179: 1359.
- Dekker, G.A.; Makovitz J.W. and Wallenburg, P.M. (1990):** Prediction of pregnancy induced hypertensive disorders by angiotensin II sensitivity and supine pressor test. *Br. J. Obstet. Gynecol.*, 97: 817.
- Dekker, G.A. And Sibai, B.M. (1994):** Early detection of preeclampsia. *Am. J. Obstet. Gynecol.* 195 : 160 – 172.
- Dekker, G.A.; Sibai, B.M. (1998):** Etiology and pathogenesis of pre-eclampsia current concepts. *Am. J. Obstet Gynecol.* 179 : 1359.
- Delabie, J.; De Wolf-Peeters, C.; Van den Oord, J.J. and Desmer, V.J. (1990):** Differential expression of the calcium – binding proteins

MRP8 and MRP14 in granulomatous conditions. An immunohistochemical study. Clin. Exp. Immunol., 81 : 123 – 6.

Dell'Angelica, E.C.; Schleicher, C.H. and Santome, J.A. (1994): Primary structure and binding properties of calgranulin C, a novel S100 – like calcium – binding protein from pig granulocytes. J. Biol. Chem., 269 : 28929-36.

DeWolf, F.; De Wolf-Peeters, C.; Brosoens, I. and Robertson, WB. (1980): The human placental bed: electron microscopic study of trophoblastic invasion of spiral arteries. Am. J. Obstet. Gynecol., 137: 58.

Dieckmann, W.J.and Michel, H.L. (1937): Vascular –renal effects of posterior pituitary extracts in pregnant women. Am. J. Obstet. Gynecol., 33: 131.

Dorin, J.R., Emslie, E. and van Heyningen, V. (1990): Related calcium binding proteins map to the same subregion of chromosome 1q and to an extended region of synteny on mouse chromosome 3. Genomics, 8 : 420 -6.

Dorin, J.R.; Novak, M.; Hill, R.; Brock, D.; Secher, D. and van Heyningen, V. (1987): A clue to the basic defect in cystic fibrosis from cloning the CF antigen gene. Nature, 326 : 614-7.

Ducarme, G.; Rodrigues, A.; Aissaoui, F.; Davitian, C.; Pharisien, I. and Uzan, M. (2007): Pregnancy in obese patients: which risks is it necessary to fear? Gynecol. Obstet. Fertil.,35:19.

Dudley, D.J.; Hunter, C.; Mitchell, M.D. Varner, M.W. and Gately, M. (1996): Elevations of serum interleukin-12 concentrations in women with severe eclampsia and HELLP syndrome. J. Reprod. Immunol., 31: 97.

- Dunlop, O.; Bruun, J.N.; Myrvang, B. and Fagerhol, M.K. (1991):** Calprotectin in cerebrospinal fluid of the HIV infected : a diagnostic marker of opportunistic central nervous system infection. Scand J. Infect. Dis., 23 : 687 -689.
- Easterling, T.R. And Benedetti, T.J. (1989):** Pre-eclampsia: A hyperdynamic disease model. Am. J. Obstet. Gynecol.,: 160 : 1447.
- Edgeworth, J.D.; Abiose, A. and Jones, B.R. (1993):** An immunohistochemical analysis of onchocercal nodules: evidence for an interaction between macrophage MRP8/MRP14 and adult *Onchocerca volvulus*. Clin. Exp. Immunol., 92 : 84 – 92.
- Eue, L.; Konig, S.; Pior, J. and Sorg, C. (2002):** S100A8, S100A9 and the S100A8/A9 heterodimer complex specifically bind to human endothelial cells: Identification and characterization of ligands for the myeloid-related proteins S100A9 and S100A8/A9 on human dermal microvascular endothelial cell line-1 cells. Int. Immunol., 14, 287 – 297.
- Eue, L. and Sorg, C. (2001):** Arachidonic acid specifically regulates binding of S 100A8/9, a heterodimer complex of the S100 class of calcium binding proteins, to human microvascular endothelial cells. Atherosclerosis, 154: 505-508.
- Everett, R.B.; Worley, R.J.; MacDonald, P.C. and Gant, N.F. (1978):** Effect of prostaglandin synthetase inhibitors on pressor response to angiotensin II in human pregnancy, J. Clin. Endocrinol. Metab., 46: 1007.
- Eversole, L.R.; Miyasaki, K.T. and Christensen, R.E. (1992):** The distribution of the antimicrobial protein, calprotectin, in normal oral keratinocytes. Arch Oral Biol., 37 : 963 – 8.

- Eversole, L.R.; Miyasaki, K.T. and Christensen, R.E. (1993):** Keratinocyte expression of calprotectin in oral inflammatory mucosal disease. J. Oral Pathol. Med., 22 : 303 – 7.
- Faas, M.M.; Schuiling, G.A.; Linton, E.A.; Sargent, I.L. and Redman, C.W.G. (2000):** Activation of peripheral leukocytes in rat pregnancy and experimental preeclampsia Am. J. Obstet. Gynecol., 182: 351.
- Fagerhol, M.K.; Dale, I.; Anderson, I. (1980):** Release and quantitation of a leucocyte derived protein (L1). Scand. J. Haematol., 24 : 393 - 398.
- Fagerhol, M.K. (1996):** Nomenclature for proteins: is calprotectin a proper name for the elusive myelomonocytic protein? J Clin. pathol. Mol pathol., 49: 74-79.
- Fagerhol, M.K.; Dale, I.; Boye, N.; Fjeld, N. and Crianstad, M. (1985):** Plasma L1 protein levels: a marker for early pulmonary cancer. Clin. Res., 33: 617 A.
- Fagerhol, M.K.; Dale, L. and Anderson, L. (1980):** Release and quantitation of a leukocyte derived protein (L1). Scand. J. Haematol., 24, 393 – 398.
- Fagerthol, M.K.; Anderson, K.B.; Naess-Andresen, C.F.; Brandtzag, P. Dale I. (1990):** Calprotectin (the L1 leukocyte protein). In: Smith VL, Dedman JR., eds, Stimulus response coupling: the role of intracellular calcium – binding proteins. BocaRaton: CRC Press Inc, 187-210.
- Fanjul, M.; Renaud, W.; Merten, M.; Guycrotte, O.; Hollande, E. and Figarella, C. (1995):** Presence of MRP8 and MRP14 in pancreatic cell lines : differential expression and localization in CFPAC-1 cells. Am. J. Physiol. Cell physiol., 37 : C1241 – 51.

- Ferrazzani, S.; Caruso, A.; Decarolis, S.; Martino, IV.; Mancuso, S. (1999):** Proteinuria and outcome of 444 pregnancies complicated by hypertension. *Am. J.Obstet. Gynecol.*, 162: 366.
- Fitzgerlad, D.J.; Eutman, S.S.; Mulloy, K. and Fitzgerald, G.A. (1987):** Decreased prostacyclin biosynthesis preceding the clinical manifestation of pregnancy induced hypertension. *Circulation*, 75: 956.
- Fosse, E.; Moen, D.; Johnson, E.; Semb, G.; Brockmeier, V.; Mollnes, T.E. et al., (1994):** Reduced complement and granulocyte activation with heparin –coated cardiopulmonary bypass. *Ann. Thorac. Surg.*, 58 : 472 – 7.
- Freemont, P.; Hogg, N. and Edgeworth, J. (1989):** Sequence identity. *Nature*, 339 : 516.
- Friedman, S.A. and Lindheimer, M.D. (1999):** Prediction and Differential Diagnosis. In : Lindheimer, M.D.; Roberts, J.M.; Cunningham, F.G. (eds). *Chesley's Hypertensive Disorders in pregnancy*. 2nd ed., Stanford, C.T., Appleton and Lange, p.201.
- Frosch, M.; Strey, A.; Vogl, T.; Wulferaat, N.M.; Kuis, W.; Sunderkotter, C.; Harms, E.; Sorg, C.; Roth, J. (2000):** Myeloid-related proteins 8 and 14 are specifically secreted during interaction of phagocytes and activated endothelium and are useful markers for monitoring disease activity in pauciarticular – onset juvenile rheumatoid arthritis. *Arthritis Rheum* 43: 628-637.
- Gabbe, S.G.; Niebyl, J.R. and Simpson J.L. (1996):** "Hypertension in pregnancy" in Steven G. Gabbe, Jennifer R. Niebyl, and Joe Leigh Simpson (edit). *Obstetrics normal and problem pregnancies* 3rd ed. Churchill Livingstone Inc. P. 936.

- Gabrielsen, T.O.; Dale, I.; Brandtzaeg, P.; Hoel, P.S.; Fagerhol, M.K.; Larsen, T.E. et al. (1986):** Epidermal and dermal distribution of a myelomonocytic antigen (L1) shared by epithelial cells in various inflammatory skin diseases. *J. Am. Acad. Dermatol.*, 15 : 173 -9.
- Gallery, E.D.; Campbell, S.; Arkell, J.; Nguyen, M. and Jackson, C.J. (1999):** Pre-eclamptic decidual microvascular endothelial cells express lower levels of matrix metalloproteinase-1 than Normal. *Microvasc. Res.*, 57: 340.
- Gant, N.F.; Chand, S.; Whalley, P.J. and MacDonald, P.C. (1974a):** The nature of pressor responsiveness to angiotensin II in human pregnancy. *Obstet. Gynecol.*, 43: 854.
- Gant, N.F.; Chand, S.; Worley, R.J.; Whalley, P.J.; Crosy, U.D. et al. (1974b):** A clinical test useful for predicting the development of acute hypertension in pregnancy. *Am. J. Obstet. Gynecol.*, 120: 1.
- Gant, N.F.; Jimenez, J.M.; Whalley, P.J.; Chand, S. and MacDonald, P.C. (1977):** A prospective study of angiotensin II pressor responsiveness in pregnancies complicated by chronic essential hypertension. *Am. J. Obstet. Gynecol.*, 127: 369.
- Gant, NF.;Dakey, GL.; Chard, S.; Whalley, PJ.; MacDondeld, PG. (1998):** A study of angiotension II pressor response throughout primigravid pregnancy. *J. Clin. Invest.*, 52 : 282 – 89.
- Garred, P.; Fosse, E.; Fagerhol, M.K.; Videm, V. and Mollnes, T.E.(1993):** Calprotectin and complement activation during major operations with or without cardiopulmonary bypass. *Ann. Thorac. Surg.*, 55, 694 – 699.
- Garvasi, M.T.; Chaiworaponsa, T.; Pacora, P.; Naccasha, Y.; Yoon, et al. (2001):** Maternal systemic inflammation: A mechanism of

disease in pre-eclampsia. presented at the 21st Annual Meeting of the society of Maternal –Fetal Medicine, February 5-20, held in Reno, Nevada.

Gerresten, G.; Huisjes, H.J. and Elema, J.D. (1981): Morphological changes of the spiral artery in the placental bed in relation to pre-eclampsia. Br. J. Obstet. Gynecol., 88 : 876.

Gervasi, M.T.; Chaiworapongsa, T.; Pacora, P.; Naccasha, N.; Yoon B.H. and Maymon, E. (2001): Phenotypic and metabolic characteristics of monocytes and granulocytes in pre-eclampsia. Am. J. Obstet. Gynecol., 185: 792.

Gilbert, J.A.; Ahlquist, A.A.; Mahoney, D.W.; Zinsmeister, A.R.; Rubin, J.; Ellefson, R.D. (1996): Fecal marker variability in colorectal cancer: calprotectin versus hemoglobin. Second. J. Gastroenterol., 31 : 1991 – 1995.

Giorgi, R.; Pagano, R.L.; Amorim, Dias M.A.; Aguiar – Passeti, T.; Sorg, C.; Mariano, M. (1997): Antinociceptive effect of the calcium-binding protein MRP-14 and the role played by neutrophils on the control of inflammatory pain. J. Leuk. Biol., 64, 214 – 220.

Golden, B.E.; Clohessy, P.A.; Russel, G.; Fagerhol, M.K. (1996): Calprotectin as a marker of inflammation in cystic fibrosis. Arch. Dis. Child., 74, 136 – 139.

Golding, J. (1998): A randomized trial of low dose aspirin for primiparae in pregnancy. The Jamaica Low Dose Aspirin Study Group. Br. J. Obstet. Gynecol., 105: 293

Greenstien, D.; Henderson, J.M. and Boyer T.D. (1994): Liver hemorrhage; recurrent episodes during pregnancy complicated by pre-eclampsia. Gastroenterology, 106 : 1668.

- Greer, I.A.; Lyall, F.; Perera, T.; Boswell, F. and macaa, L.M. (1994):** Increased concentrations of cytokines interleukin -6 and interleukin-1 receptor antagonist in plasma of women with preeclampsia: A mechanism for endothelial dysfunction. *Obstet. Gynecol.*, 84: 937.
- Guignard, F.; Maucl, J. and Markert, M. (1996):** Phosphorylation of mycloid-retated proteins MRP-14 and MRP-8 during neutrophil activation. *Eur. J. Biochem.*, 241 : 265-271.
- Guignard, F.; Mauel, J. and Markert, M. (1996):** The monoclonal antibody Mac 387 recognizes three S100 proteins in human neutrophils. *Immunol. Cell. Biol.*, 74 : 105 -7.
- Gulati, R. (2005):** Raised serum TNF-alpha, blood sugar and uric acid in preeclampsia in third trimester of pregnancy. *J. Nepal Med. Assoc.*, 44: 36.
- Haga, H.J.; Brun, J.G.; Berntzen, H.B.; Cervera, R.L.; Khamashta, M. and Huges, G.R.V. (1993):** Calprotectin in patients with systemic lupus erythematosus: Relation to clinical and laboratory parameters of disease activity. *Lupus*, 2 : 47 – 50.
- Hahn, B.L. and Sohnle, P.G. (1995):** Resistance of zinc – supplemented *Candida albicans* cells to the growth inhibitory effect of calprotectin. *J. Infect. Dis.*, 171 : 1289 – 94.
- Halligan, A.; Bonnar, J.; Sheppard, B.; Darling, M.; Walshe, J. (1994):** Hemostatic, fibrinolytic and endothelial variables in normal pregnancies and pre-eclampsia. *Br J Obstet Gynaecol*; 101: 488.
- Hayward, C.; Grass, S.; van Hayningen, V.; Brock, D.J.H. (1987):** Serum concentrations of a granulocyte-derived calcium-binding protein in cystic fibrosis patients and heterozygotes. *Clinica. Chim. Acta.*, 170, 45 – 56.

- Herbert, V.; Shaw, S.; Jayatilleke, E. and Stopler-Kasdan, T. (1994):** Most free-radical injury is iron related: it is promoted by iron, hemin, holoferritin and vitamin C, and inhibited by desferoxamine and apoferritin. *Stern. Cells*, 12: 289.
- Herrera, J.A.; Arevalo-Herrera, M. and Herrera, S. (1998):** Prevention of pre-eclampsia by lanoleic acid and calcium supplementation: a randomized controlled trial. *Obstet. Gynecol.*, 91: 585.
- Hessian, P.; Edgeworth, J. and Hogg, N. (1993):** MRP-8 and MRP-14, two abundant Ca^{2+} - binding proteins of neutrophils and monocytes. *J. Leukocyte Biol.*, 53 : 197 – 204.
- Hessian, P.; Wilkinson, L. and Hog, N. (1995):** The S100 family protein MRP-14 (S100A9) has homology with the contact domain of high molecular weight kininogen. *FEBS Lett.*, 371 : 271 -275.
- Hetland, G.; Talgo, G.J.; Fagarhol, M.K. (1998):** Chemotaxins C5a and FMLP induce release of calprotectin (leucocyte L1 protein) from polymorphonuclear cells in vitro. *J. Clin. Pathol. Mol. Pathol.*, 51, 143 – 148.
- Hinselmann, H. (1924):** Die eklampsie. Bonn, F. Cohen. Quoted from Williams Obstetries. (21st ed). Vol. 4, Chap. 24, p. 568-618.
- Hoff, C.; Peevy, K.; Giattina, K.; Spinnato, J.A. and Peterson, R.D.A. (1992):** Maternal –fetal HLA-DR relationships and pregnancy – induced hypertension. *Obstet. Gynecol.*, 80: 1007.
- Hofmann, M.A.; Drury, S.; Fu, C.; Qu, W.; Taguchi, A.; Lu, Y.; Avila, C.; Kambhan, N.; Bierhaus, A.; Nawroth, P.; Neurath, M.F.; Slaterry, T.; Beach, D.; McClary, J.; Nagashima, M.; Morser, J.; Stern, D. and Schmidt, A.M. (1999):** RAGE Mediates a Novel Proinflammatory Axis: A Central Cell Surface Receptor for S100/Calgranulin Polypeptides. *Cell*, 97, 889 – 901.

- Hofmann, M.A.; Drury, S.; Hudson, B.I.; Gleason, M.R.; Qu, W.; Lu, Y.; Lalla, E.; Chitnis, S.; Monteiro, J.; Stickland, M.H.; Ducciarelli, L.G.; Moser, B.; Moxley, G.; Itescu, S.; Grant, P.J. Gregersen, P.K.; Stern, D.M. Schmidt, A.M (2002):** RAGE and arthritis: the G82S polymorphism amplifies the inflammatory response. *Genes Immun.*, 3: 123-135.
- Hogg, N. and Newton, R.A. (1998):** Signaling mechanisms and the activation of leukocyte integrins, *J. Immunol.*, 160:1427-1435.
- Hogg, N.; Allen, C. and Edgeworth, J. (1989):** Monoclonal antibody 5.5 reacts with p8,14, a myeloid molecule associated with some vascular endothelium. *Immunol.*, 19, 1053 – 1061.
- Holt, J.; Fagerhol, M.K.; Dale, I. (1983):** Quantitation of a leukocyte protein (L1) in urine. *Acta Paediatr. Scand.*, 72 : 615 -16.
- Holthe, M.R.; Staff, A.C.; Berge, L.N. and Lyberg, T. (2004):** Leukocyte adhesion molecules and reactive oxygen species in pre-eclampsia. *Obstet. Gynecol.*, 103: 913.
- Holthe, M.R.; Staff, A.C.; Berge, L.N.; Fagerhol, M.K.; Lyberg, T. (2005):** Calprotectin plasma level is elevated in pre-eclampsia. *Acta Obstet. Gynecol. Scand.*, 84: 151.
- Homann, C.; Garred, P.; Graudal, N.; Hasselquist, P.; Christiansen, M.; Fagerhol, M.K. et al. (1995):** Plasma calprotectin : A new prognostic marker of survival in alcohol-induced cirrhosis. *Hepatology*, 21 : 979 – 85.
- Howie, P.W. (1995):** "Trophoblastic disease", In Whitfield, C.R. (edit) Dewhurst's textbook of obstetrics and gynaecology for postgraduates 5th ed. Blackwell science Ltd. London, P: 527.

- Hu, S.P.; Harrison, C.; Xu, K.; Cornish, C.J.; Geczy, C.L. (1996):** Induction of the chemotactic S100 protein, CP-10, in monocyte / macrophages by lipopolysaccharide. *Blood*, 87 : 3919 – 28.
- Hubel, C.A.; Mclaughlin, M.K.; Evans, R.W.; Hauth, J.A.; Sims, C.J. et al. (1996):** Fasting serum triglycerides, free fatty acids, and malondialdehyde are increased in preeclampsia, are positively correlated, and decrease within 48 hours postpartum. *Am. J. Obstet. Gynecol.*, 174: 975.
- Hubel, C.A.; Roberts, J.M.; Taylor, R.N.; Musci, T.J.; Rodgrs, G.M. et al. (1989):** Lipid peroxidation in pregnancy: New perspectives on preeclampsia. *Am. J. Obstet. Gynecol.*, 161: 1025.
- Hunter, M.J. and Chazin, W.J. (1998):** High level expression and dimmer characterization of the S 100 Ef-hand proteins, migration inhibitory factor- related proteins 8 and 14. *J Biol CHem* 373: 12427-12435.
- Hytten, F.E. and Thomson, AM. (1976):** "Weight gain in pregnancy" in Lindheimer M.D.; Katz A.I., and Zuspan F.P. (edit) *Hypertension in pregnancy* 1st ed. Wiley Medical publications. P : 179.
- Ivanov, G.E.; Misuno, N.I. and Ivanov, V.E. (1996):** Enzyme linked immunosorbent assay for human MRP-8/MRP-14 proteins and their quantiation in plasma of hematological patients. *Immunol. Lett.*, 49 : 7 – 13.
- Johne, B. (1996):** Epitope mapping by surface plasmon resonance in the BIAcore. In : Morris G, ed. *Methods in molecular biology*. Vol. 6. Epitope mapping protocols. Totowa : Humana Press.
- Johne, B.; Fagerhol, M.K.; Lyberg, T.; Prydz, H.; Brandtaeg, P.; Naess-Andresen, C.f. and Dale, I. (1997):** Functional and clinical

aspects of the myelomonocyte protein calprotectin. J. Clin. Pathol., Mol. Pathol., 50, 113 – 123.

Kelley, S.E.; Hunter, J.A.; Jones, D.B.; Clark, B.R. and Fleming, S. (1991): Morphological evidence for calcium dependent association of calgranulin with the epidermal cytoskeleton in inflammatory dermatoses. Br. J. Dermatol., 124 : 403– 9.

Kelly, S.E.; Jones, D.B. and Fleming, S. (1989): Calgranulin expression in inflammatory dermatoses. J. Pathol., 159, 17-21.

Kerkhof, C.; Klempt, M. and Sorg, C. (1998): Novel insights into structure and function of MRP8 (S100A8) and MRP14 (S100A9). Biochim. Biophys. Acta, 1448, 220 – 211.

Kerr, J.F.R.; Willie, A.H.; Currie, A.R. (1972): Apoptosis: a basic biological phenomenon with wide-ranging implications in tissue kinetics. Br. J. Cancer, 26, 239 – 257.

Kilpatrick D.C. (1997): Preeclampsia and diabetes. Am. J. Obstet Gynecol. July: 243.

Kilpatrick, D.C.; Liston, W.A.; Gibson, F. and Livingstone, J. (1989): Association between susceptibility to preeclampsia within families and HLA-DR4 Lancet, 2: 1063.

Kligman, D. and Hilt, D.C. (1988): The S100 protein family. Trends Biochem. Sci., 13: 437-443.

Kocher, M.; Kenny, P.A.; Farram, E.; Majid, K.B.A.; Finlayjones, J.J. and Geezy, C.L. (1996): Functional chemotactic factors CP-10 and MRP-14 are abundant in murine abscesses. Infect. Immun., 64 : 1342 – 50.

Koike, T.; Kondo, K.; Makita, t.; Kaijikawa, K.; Yoshida, T.; Morikawa, M. (1998): Intracellular Localization of Migration Inhibitory Factor-Related Protein (MRP) and Detection of Cell Surface MRP

Binding Sites on Human Leukemia Cell Lines. J. Biochem. (Tokyo), 123, 1079 – 1087.

Krauss, T.; Kuhn, W.; Lakoma, C. and Augustin, H.G. (1997): Circulating endothelial adhesion molecules as diagnostic markers for the early identification of pregnant women at risk for development of pre-eclampsia. Am J. Obstet. Gynecol., 177: 443.

Kristinsson, J.; Roseth, A.; Fagerhol, M.K.; Aadland, E.; Schjonsby, H.; Bormer, O.P.; Nygaard, K. (1998): Fecal calprotectin concentration in patients with colorectal carcinoma. Dis. Colon. Rectum, 41, 316 – 321.

Kupfermine, M.J.; Peaceman, A.M.; Wigton, T.R.; Rehnberg, K.A. and Socol, M.L. (1994): Tumor necrosis factor- α is elevated in plasma and amniotic fluid of patients with severe preeclampsia. Am. J. Obstet. Gynecol., 170: 1752.

Kuroto, R.; Nozawa, R.; Takeishi, K.; Arai, K.; Yokota, T. and Takasaki, Y.J. (1990): Myeloid calcium binding proteins. Expression in the differentiated HL-60 cells and detection in sera of patients with connective tissue diseases. Biochem. (Tokyo), 108, 650-653.

Kyle, P.M.; Campbell, S.; Buckley, D.; Kissane, J.; Deswiet, M.; et al. (1996): A comparison of the inactive urinary kallikrein: creatinine ratio and the angiotensin sensitivity test for prediction of pre-eclampsia. Br. J. Obstet. Gynecol., 103: 981.

Labarrere, C. (1988): Acute atherosclerosis. A histopathological hallmark of immune aggression. Placenta, 9: 108.

Lackmann, M.; Cornish, C.J.; Simpson, R.J.; Moritz, R.L. and Geezy, C.L. (1992): Purification and Structural Analysis of a Murine

Chemotactic Cytokine (CP-10) with Sequence Homology to S100 Proteins. J. Biol. Chem., 267, 7499 – 7504.

Lagasse, E. and Clerc, R.G.(1988): Coning and expression of two human genes encoding calcium – binding proteins that are regulated during myeloid differentiation. Mol. Cell. Biol., 8 : 2402-10.

Lagasse, E. and Weissman, I.L. (1992): Mouse MRP-8 and MRP-14, two intracellular calcium-binding proteins associated with development of myeloid lineage. Blood, 79, 1907 – 1915.

Laivuori, H.; Kaaja, R.; Ylikorkala, O.; Hiltunen, T. and Kontula, K. (2000): 677 C →T polymorphism of the methylenetetrahydrofolate reductase gene and preeclampsia. Obstet. Gynecol., 96: 277.

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

Lau, W.; Devery, J.M. and Geezy, C.L. (1995): A chemotactic S100 peptide enhances scavenger receptor and Mac-1 expression and cholesteryl ester accumulation in murine peritoneal macrophages in vivo. J. clin. Invest., 95, 1957 – 1965.

Lehrec, R.I. (1993): Holocrine secretion of calprotectin : a neutrophil mediated defence against Candida albicans. J. Lab. Clin. Med., 121 : 193 -4.

Levine, R.J.; Hauth, J.C.; Curet, L.B.; Sibai, B.M.; Catalano, P.M.; Morris, C.D.; DerSimonian, R.; Esterlitz, J.R.; Raymond, E.G.; Bild, D.E.; Clemens, J.D. and Cutler, J.A. (1997): Trial of calcium to prevent preeclampsia. N. Engl. J. Med., 337:69-76.

- Levy, O. (1996):** Antibiotic proteins of polymorphonuclear leukocytes. Eur. J. Haematol., 56 : 263 – 77.
- Lim, K.H.; Friedman, S.A.; Ecker, J.L.; Kao, L. and Kilpatrick, S.J. (1998):** The clinical utility of serum uric acid measurements in hypertensive disease of pregnancy. Am. J. Obstet. Gynecol., 178: 1067.
- Lindheimer, M. and Woodruff, T.K. (1997):** Activin A, inhibin A, and pre-eclampsia. Lancet, 349: 1266.
- Lindheimer, MD.; Barron, MW.; Davidson, JM. (1999):** Osmoregulation of thirst and vasopressin release in pregnancy. Am. J. Physiol. 101: 275 – 280.
- Lloid, A.F. and Oppenheim, J.J. (1992):** The neglected role of the polymorphonuclear neutrophil in the afferent limb of the immune response. Immunol. Today, 12, 169 – 172.
- Lockwood, C.J. And Peters, JH. (1990):** Increased plasma levels of EDL⁺ cellular fibronectin precede the clinical signs of pre-eclampsia. Am. J.Obstet. Gynecol., 162 : 358.
- Loomans, H.J.; Hahn, B.L.; LI, Q.Q.; Phadnis, S.H. and Shonle, P.G. (1998):** Histidine-based zinc-binding sequence and the antimicrobial activity of calprotectin. J. Infect. Dis., 177: 812-814.
- Lorentzen, B.; Endresen, M.J.; Clausen, T. and Henriksen, T. (1994):** Fasting serum free fatty acids and triglycerides are increased before 20 weeks of gestation in women who later develop pre-eclampsia. Hypertens. Pregnancy, 13:103.
- Lowe, D.T. (2000):** Nitric oxide dysfunction in the pathophysiology of pre-eclampsia. Am. J. Obstet. Gynecol., 4 (4): 441 – 548.
- Lugering, N.; Stoll, R.; Schmid, K.w.; Kucharzik, T.; Stein, H. and Burmeister, G. (1995):** The myeloic related protein MRP8/14

(27E10 antigen) – usefulness as a potential marker for disease activity in ulcerative colitis and putative biological function. Eur. J. clin. Invest., 25 : 659 – 64.

Lugeting, N.; Stoll, R.; Kucharsik, T.; Burmeister, G.; Sorg, C.; Domschke, W. (1995): Serum 27E10 antigen : a new potential marker for staging HIV disease. Clin. Exp. Immunol., 101 : 249 – 53.

Mackenna, J.; Dover N.L. and Brame R.G. (1983): Pre-eclampsia associated with hemolysis, elevated liver enzymes, and low platelets-an obstetric emergency. Obstet, Gynecol., 62 : 751.

Madland, T.M.; Hordvik, M.; Haga, H.J.; Jonsson, R. and Brun, J.G. (2002): Leukocyte protein calprotectin and outcome in rheumatoid arthritis. A longitudinal study. Scand. J. Rheumatol., 31: 351 – 354.

Madsen, P.; Rasmussen, H.H.; Leffers, H.; Honore, B.; Dejgaard, K.; Olsen, E. et al. (1991): Molecular cloning, occurrence, and expression of a novel partially secreted protein "psoriasin" that is highly up – regulated in psoriatic skin. J. Invest. Dermatol., 97 : 701 – 12.

Magann, E.F.; Perry, K.G.; Morrison, J.C. and Martin, J.N. (1995): Climatic factors and preeclampsia related hypertensive disorders of pregnancy. Am. J. Obstet. Gynecol., 172 : 204.

Mahnke, K.; Bhardw, A.J. and Sorg, C. (1995): Heterodimers of the calcium –binding proteins MRP8 and MRP14 are expressed on the surface of human monocytes upon adherence to fibronectin and collagen. Relation to TNF- α , IL-6 and superoxide production. J. Leukoc. Biol., 57: 63-71.

- Makuyana, D.; Mahomed, K.; Shukusho, F.D. and Majoko, F. (2002):** Liver and kidney function tests in normal and pre-eclamptic gestation: a comparison with non-gestational reference values. Cent. Afr. J. Med.,48: 55.
- Mastrogiannis, D.S.; O'Brien, W.F.; Krammer, J. and Benoit, R. (1991):** Potential role of endothelin-1 in normal and hypertensive pregnancies. Am. J. Obstet. Gynecol., 165: 1711.
- McCabe, M.J., Jr., Jiang, S.A. and Orrenius, S. (1993):** Chelation of intracellular zinc triggers apoptosis in mature thymocytes. Lab. Invest., 69, 101 – 110.
- Mckay, D.C. (1965):** Disseminated intravascular Coagulation. New York, Harper and Row.
- Meakins, JW.; Pijnen Borg, R.; Hanssens, M.; Macfadyen, I.R. and Van Asshe A. (1994):** A study of placental bed spiral arteries and trophoblast invasion in normal and severe pre-eclampsia pregnancies. Br. J. Obstet. Gynaecol., 101: 669.
- Meling, T.; Aabakken, L.; Roseth, A.; Osnes, M. (1996):** Faecal calprotectin – shedding after short term treatment with non steroidal anti inflammatory drugs. Scand. J. Gastroenterol., 31 : 339 – 344.
- Merten, M.D. and Figarella, C. (1993):** Constitutive hypersecretion and insensitivity to neurotransmitters by cystic fibrosis tracheal gland cells. Am. J. Physiol., 264 : 193-199.
- Meyer, MB. and Tonasgia, J.A. (1977):** Maternal smoking, pregnancy complications, and perinatal mortality. Am. J. Obstet. Gynecol., 128: 494.
- Mikami, M.; Yamazaki, M.; Yui, S. (1998):** Kinetic Analysis of Tumor Cell Death-Inducing Mechanism by Polymorphonuclear

Leukocyte-Derived Calprotectin: Involvement of Protein Synthesis and Generation of Reactive Oxygen Species in Target Cells. *Microbiol. Immunol.*, 42: 211 – 221.

Mikhail, M.S.; Anyaegbunam, A.; Garfinkel, D.; Palan, P.R.; Basu, J. et al. (1994): Preeclampsia and antioxidant nutrients: Decreased plasma levels of reduced ascorbic acid, α -tocopherol, and betacarotene in women with preeclampsia. *Am. J. Obstet. Gynecol.*, 171: 150.

Millar, J.G.B.; Campbell, S.K.; Albano, J.D.M.; Higgins, B.R. and Clark, A.D. (1996): Early prediction of preeclampsia by measurement of kallikrein and creatinine on a random urine sample. *Br. J. Obstet. Gynaecol.*, 103: 421.

Miyasaki, K.T. (1991): The neutrophil : mechanisms of controlling periodontal bacteria. *J. Periodontol.*, 62 : 761 – 774.

Miyasaki, K.T.; Bodeau, A.L.; Murthy, A.R.K. and Lehrer, R.I. (1993): In vitro antimicrobial activity of the human neutrophil cytosolic S-100 protein complex, calprotectin, against *Capnocytophaga sputigena*. *J. Dent. Res.*, 72 : 517 – 23.

Miyazaki, K.T.; Voganatsi, A.; Huynh, T.; Marcus, M. and Underwood, S.(1998): Calprotectin and lactoferrin levels in the gingival crevicular fluid of children. *J. Periodontol.*, 69: 879 – 883.

Moen, O.; Fosse, E.; Braten, J.; Andersson, C.; Fagerhol, M.K.; Hogasen, K. et al., (1994): Roller and centrifugal pumps compared in vitro with regard to haemolysis, granulocyte and complement activation. *Perfusion*, 9: 109 – 117.

Morgan, L.; Baker, P.; Broughton-Pipkin, F. and Kalsheker, N. (1995): Preeclampsia and the angiotensinogen gene. *Br. J. Obstet. Gynecol.*, 102:489.

- Morgan, T.; Craven, C.; Lalouel, J.M. and Ward, K. (1999):** Angiotensinogen Thr²³⁵ variant is associated with abnormal physiological change of the uterine spiral arteries in first – trimester deciduas. Am. J. Obstet. Gynecol., 180:95.
- Morris, N.H.; Eaton, B.M. and Dekker, G. (1996):** Nitric Oxide, the endothelium, pregnancy and pre-eclampsia. Br. J. Obstet. Gynaecol., 103 :4.
- Muller, F.; Froland, S.; Aukrust, P. and Fagerhol, M.K. (1994):** Elevated serum calprotectin levels in HIV- infected patients : the calprotectin response during ZDV treatment is associated with clinical events. J. Acq. Immun. Defic. Syndr., 7:931-939.
- Muller, F.; Froland, S.S.; Brandtzaeg, P. and Fagerhol, M.K. (1993):** Oral candidiasis is associated with low levels of parotid calprotectin in individuals with infection due to human immunodeficiency virus. Clin. Infect. Dis., 16 : 301 -302.
- Murao, S.; Nakanishi, M.; Matsumoto, S.; Ueda, N. and Huberman, E. (1994):** Induction of cell differentiation in human HL-60 promyelocytic leukemia cells: Quantitation of a myeloid specific antigen, MRP-8/MRP-14 protein complex. Cell biology – a laboratory handbook. Vol. I. London : Academic Press, 207 – 212.
- Murthy, A.R.; Lehrer, R.I.; Harwig, S.S. and Miyasaki, K.T. (1993):** In vitro candidiastic properties of the human neutrophil calprotectin complex. J. Immunol., 151 : 6291 – 6301.
- Musci, T.J.; Roberts, J.M.; Rodgers, G.M. and Taylor, R.N. (1988):** Mitogenic activity is increased in the sera of pre-eclamptic women before delivery. Am. J. Obstet. Gynecol., 159 : 1446.

- Mutao, S.; Collart, F.R. and Huberman, E. (1989):** A protein containing the cystic fibrosis antigen is an inhibitor of protein kinases. J. Biol. Chem., 254 : 8356 – 8360.
- Muttukrishna, S.; Knight, P.G.; Groome, N.P.; Redman, C.W. and Ledger, W.L. (1997):** Actvin A and inhibin-A as possible endocrine markers for preeclampsia. Lancet, 349: 1285.
- Myatt, L.; Brewer, A.S.; Langdon, C. and Brockman, D.E. (1992):** Attenuation of the vasoconstrictor effects of thromboxane and endothelin by nitric oxide in the human fetal-placental circulation. Am. J. Obstet. Gynecol., 166: 224.
- Nacken, W.; Manitz, M.P. and Sorg, C. (1996):** Molecular characterization of the genomic locus of the mouse MRP8 gene. Biochem. Biophys. Acta, 1315 : 1-5.
- Naess –Andresen, C.F.; Egelanddal, B. and Fagerhol, M.K. (1995):** Calcium binding and concomitant changes in the structure and heat stability of calprotectin (L1 protein). J. Clin. Pathol. Mol. Pathol., 48 : 278-284.
- National high Blood pressure Education Program (2000):** Working Group report on High Blood pressure in Pregnancy Am. J. obstet. Gynecol., 183: 51.
- Naughton, P.J.; Clohessy, P.a.; Grant, G.; Pusztai, A.; Golden, B. (1996):** Faecal calprotectin : non – invasive marker of gastrointestinal inflammation in salmonella infected rats. Biochem. Soc. Trans., 24 : 398.
- Neilson JP. (1995):** "Multiple pregnancy". In whitfield C.R. (edit). Dewhurst's textbook of obstetrics and gynaecology for postgraduates 5th ed. Blackwell Science Ltd. London, P: 439.

- Nelson, T.R. and Pretorius, D.H. (1988):** The Doppler signal: Where does it come from and what does it mean ? Am. J. Rad., 151: 439.
- Neri, I.; Valensise, H.; Facchinelli, F.; Menghini, S.; Romanini, C. and Volpe, A. (1999):** 24-hour ambulatory blood pressure monitoring: a comparison between transdermal glyceryl-trinitrate and oral nifedipine. Hypertens pregnancy. 18 (1): 107 – 113.
- Ness, R.B. and Roberts, J.M. (1996):** Heterogeneous causes constituting the single syndrome of preeclampsia: A hypothesis and its implications. Am. J. Obstet. Gynecol., 175: 1365.
- Newton, R.A. and Hogg, N. (1998):** The human S100 protein MRP-14 is a novel activator of the beta 2 integrin Mac-1 on neutrophils. J. Immunol., 160: 1427 – 1435.
- Nisapakultorn, K.; Ross, K.F. and Herzberg, M.C. (2001):** Calprotectin expression inhibits bacterial binding to mucosal epithelial cells. Infect. Immune, 69: 3692-3696.
- Nova, A.; Sibai, B.M.; Barton, J.R.; Mercer, B.M. and Mitchell, M.D. (1991):** Maternal plasma level of endothelin is increased in preeclampsia. Am. J. Obstet. Gynecol., 165: 724.
- Odink, K.; Cerletti, N.; Bruggen, J.; Clere, R.; Tarosey, L.; Zwadlo, G.; Gerhards, G.; Schlegel, R. and Sorg, C. (1987):** Two calcium-binding proteins in infiltrate macrophages of rheumatoid arthritis. Nature (London), 330: 80 – 82.
- Ohno, Y.; Kawai, M.; Wakahara, Y.; Kitagawa, T.; Kakiyama, M.; Ariy (1999):** Ophthalmic artery velocimetry in normotensive and preeclamptic women with or without photophobia. Obstet. Gynecol., 94: 361.

- Olson, J.A.; Forrester, M.; Clohessy, P.A.; Golden, B.E.; Herrior, R. and Forrester, J.V. (1996):** Calprotectin is raised in endogenous posterior uveitis. *Occular Immunol. Inflamm.*, 4 : 91-98.
- Otani, S.;Usuki, S.; Saitoh, T.; Ynagisawa, M.; Iwasaki, H.; et al. (1991):** Comparison of endothelin-1 concentrations. In normal and complicated pregnancies. *J. Cardiovasc. Pharmacol.*, 17: S308.
- Paarlberg, K.M.; DeJong, C.L.D.; Van Geijn, H.P.; Van Kamp, G.J.; Heinen, A.G. et al., (1998):** Total plasma fibronectin as a marker of pregnancy –induced hypertensive disorders: A longitudinal study. *Obstet. Gynecol.*, 91: 383.
- Palmer, R.M.J.; Ashton, D.S. and Moncada, S. (1988):** Vascular endothelial cells synthesize nitric oxide from L-arginine. *Nature*, 333: 664.
- Pekna, M.; Botowiec, J.; Fagerhol, M.K.; Venge, P.and Thelin, S. (1994):** Biocompatibility of heparin – coated circuits used in cardiopulmonary bypass. *Scand. J. Thorac. Cardiovasc. Surg.*, 28 : 5-11.
- Pepys, M.B. (1981):** C-reactive protein fifty years on. *Lancet*; 1:653.
- Petraglia, F.; Florio, P.; Benedetto, C.; Gallo, C.; Woods, R.J. et al. (1996):** High levels of corticotrophin –released factor (CRF) are inversely correlated with low levels of maternal CRF-binding protein in pregnant women with pregnancy-induced hypertension. *J. Clin. Endocrinol. Metab.*, 81: 852.
- Pijnenberg, R.; Anthony, J.; Davey, D.A. Rees, A.; Tiltman, A.; Vererugsse, L. and Assche A. (1991):** Plaental bed spiral arteries in hypertensive disorders of pregnancy. *Br. J. Osbstet. Gynaecol.* 98: 648.

- Powers, R.W.; Bodnar, L.M.; Ness, R.B.; Cooper, K.M.; Gallaher, M.J.; Frank, M.P.; Daftary, A.R. and Roberts, J.M. (2006):** Uric acid concentrations in early pregnancy among preeclamptic women with gestational hyperuricemia at delivery. *Am. J. Obstet. Gynecol.*, 194: 160.
- Powers, R.W.; Evans, R.W.; Ness, R.B.; Crombleholme, W.R. and Roberts, J.M. (2000):** Homocysteine is increased in pre-eclampsia but not in gestational hypertension. *J. Surg. Gynecol. Investig (Abstr. 375)*. 7 (1) (suppl).
- Pritchard, J.A.; Cunningham, F.G.; Pritchard, S.A. and Mason, R.A. (2000):** How often does maternal preeclampsia-eclampsia incite thrombocytopenia in the factors? *Obstet. Gynecol.*, 69 : 292.
- Pritchard, J.A.; Cunningham, F.G.; Mason, R.A. (2000):** Coagulation changes in eclampsia: Their frequency and pathogenesis. *Am. J. Obstet. Gynecol.*, 124: 855.
- Raab, W.; Schroeder, G.; Wagner, R. and Gigg, W. (1956):** Vascular reactivity and electrolytes in normal and toxemic pregnancy. *J. Clin. Endocrinol.*, 16: 1196.
- Raff, M.C.(1992):** Social controls on cell survival and cell death. *Nature (London)*, 356: 397 – 400.
- Raftery, M.J.; Harrison, C.A.; Jones, A. and Geczy, C.L. (1996):** Isolation of the murine S100 protein MRP14 (14 kDa migration inhibitory – factor – related protein) from activated spleen cells: characterization of post – translational modification of zinc binding. *Biochem. J.*, 316 : 285 – 293.
- Rammes, A.; Roth, J.; Goebeler, M.; Klempt, M.; Hartmann, M. and Sorg, C. (1997):** Myeloid-related Protein (MRP) 8 and MRP14, Calcium-binding Proteins of the S100 Family, are secreted by

activated monocytes via a novel, tubulin-dependent pathway. J. Biol. Chem., 272: 9496 – 9502.

Rappaport, V.J. Hirata, G.; Kim-Yap, H. and Jordan, S.C. (1990): Anti-Vascular endothelial cell antibodies in severe preeclampsia. Am. J. Obstet. Gynecol., 162: 138.

Redman, C. (1995): Hypertension in pregnancy, in Michanel de Sweit (edit) Medical disorders in obstetric practice 3rd ed. Blackwell Scientific publications, Oxford, London, P: 182.

Redman, C.W.; Sacks, G.P. and Sargant, I.L. (1999): Pre-eclampsia: an excessive maternal response to pregnancy. Am. J. Obstet. Gynecol., 180: 499.

Redman, C.W.G.; Sacks, G.P. and Sargent, I.L. (1999): Preeclampsia: An excessive maternal inflammatory response to pregnancy. Am. J. Obstet. Gynecol., 180: 499.

Regan, C.L. and Fitzgerald, D.J. (1997): Altered isoprostane to prostacyclin ratio in preeclampsia. Am. J. Obstet. Gynecol., 176: 510.

Reynolds, C.; Mabie, W.C. and Sibai, B.M. (2003): Hypertensive states of pregnancy. Current Obstet. Gynecol., 1:338.

Roberts, J.M. and Redman, C.W.G. (1993): Pre-eclampsia: More than pregnancy –induced hypertension. Lancet. 341: 1447-1451.

Roberts, J.M.; Taylor, R.N.; Musci, T.J.; Rodgers, G.M.; Hubel, C.A. and McLaughlin, M.K. (1989): Pre-eclampsia: an endothelial cell disorder. Am. J. Obstet. Gynecol., 161: 1200.

Roberts, JM. (2000): Pre-eclampsia: what we know and what we do not know. Semin. Perinatal., 24: 24.

Robertson, W.B.; Path, F.R.C.; Khong, TY.; Brosens, I.; De Wolf, F.; Sheppard, BL. and Bonnar, J. (1986): The placental bed biopsy:

Review from three European centers. Am. J. Obstet. Gynecol., 155: 401.

Robinson, M.J.; Tessier, P.; Poulson, R. and Hogg, N. (2002): The S100 family heterodimer, MRP-8/14, binds with high affinity to heparin and heparan sulfate glycosaminoglycans on endothelial cells. J Biol Chem 277: 3658-3665.

Rodgers, G.M.; Taylor, R.N. and Roberts J.M. (1988): Pre-eclampsia is associated with a serum factor cytotoxic to human endothelial cell. Am. J. Obstet. Gynecol., 159 : 908.

Rogers, B.B.; Bloom, S.L. and Leveno, K.J.(1999): Atherosclerosis revisited: Current concepts of the pathophysiology of implantation site disorders. Obstet. Gynecol. Surg., 54: 189.

Roseth, A.G.; Aadland, E.; Jahnsen, J. and Raknerud, N. (1997): Assessment of disease activity in ulcerative colitis by faecal calprotectin, a novel granulocyte marker protein. Digestion, 58 : 178 – 180.

Roseth, A.G.; Fagerhol, M.K.; Aadland, E. and Schonsby, H. (1992): Assessment of the neutrophil dominating protein calprotectin in feces. A methodologic study. Scand. J. Gastroenterol., 27 : 793 - 798.

Roseth, A.G.; Kristinsson, J.; Fagerhol, M.K.; Schonsby, H.; Aadland, E.; Nygaard, K. et al. (1993): Faecal calprotectin ; a novel test for the diagnosis of colorectal cancer? Scand J. Gastro- enterol., 28 : 1073 -1076.

Roseth, A.G.; Kristinsson, J.; Schonsby, H.; Nygaard, K.; Raknerud, N.; Fagerhol, M.K. et al. (1997): Faecal calprotectin in a consecutive series of outpatients referred for colonoscopy, with

special emphasis on inflammatory bowel disease and colorectal neoplasia. *Digestion*, 11: 5 -6.

Roth, J.; Burwinkel, F.; Van den Bos, C.; Goebeler, M.; Vollmer, E. and Sorg, C.(1993): MRP8 and MRP14, S-100-like proteins associated with myeloid differentiation, are translocated to plasma membrane and intermediate filaments in a calcium-dependent manner. *Blood*, 82: 1875 – 1883.

Rugtveit, J.; Scott, H.; Halstensen, T.S.; Norstein, J. and Brandtzaeg, P. (1996): Expression of the L1 antigen (calprotectin) by tissue macrophages reflects recent recruitment from peripheral blood rather than upregulation of local synthesis : Implications for rejection diagnosis in formalin – fixed kidney specimens. *J. Pathol.*, 180 : 194-199.

Ryckman, C.; McColl, S.R.; Vandal, K.; de Medicis, R.; Lussier, A.; Poubelle, P.E. and Tessier, P.A. (2003): Role of S100A8 and S100A9 in neutrophil recruitment in response to monosodium urate monohydrate crystals in the Air-Pouch model of acute gouty arthritis. *Arthritis & Rheumatism*: 48: 2310.

Sacks, G.P.; Studena, K.; Sargent, K. and Redman, C.W. (2001): Normal pregnancy and pre-eclampsia both produce inflammatory changes in peripheral blood leukocyte akin to those of sepsis. *Am. J. Obstet. Gynecol.*, 179:80.

Saintigny, G.; Schmidt, R.; Shroot, B.; Huhlin, L.; Reichert, U. and Michel, S. (1992): Differential expression of calgranulin A and B in various epithelial cell lines and reconstructed epidermis. *J. Invest. Dermatol.*, 99 : 639 – 644.

- Saleh, AA.; Botoms, SF.; Welch, RA.; Ali, AM.; Marinona, FG. And Mammen E.F. (1987):** Pre-eclampsia, delivery, and hemostatic system. Am. J. Obstet. Gynecol., 157 : 331.
- Sanchez-Ramos, L.; Jones, D.C. and Cullen. M.T. (1991):** Urinary calcium as an early marker for preeclampsia. Obstet. Gynecol., 77: 685.
- Sander, J.; Fagerhol, M.K.; Bakken, J.S. and Dale, I. (1984):** Plasma levels of the leukocyte L1 protein in febrile conditions : relation to aetiology, number of leukocytes in blood, blood sedimentation reaction and C-reactive protein. Scand. J. Clin. Lab. Invest., 44 : 357 – 362.
- Santhanagopalan, V.; Hahn, B.L.; Dunn, B.E.; Weissner, J.H and Sohnle, P.G. (1995):** Antimicrobial activity of calprotectin isolated from human empyema fluid supernatants. Clin. Immunol. Immumpachol., 76 : 285 – 290.
- Schackis, R.C. (2004):** Hyperuricaemia and preeclampsia: is there a pathogenic link? Medical Hypotheses; 63: 239.
- Schaefer, A.W.; Kamiguchl, H.; Wong, E.V.; Beach, C.M.; Landreth, G. and Lemmon, V. (1999):** Activation of the MAPK signal caseade by the neural cell adhesion molecule L1 requires L1 internlization. J. Biol. Chem., 274: 37965-37973.
- Schafer, B.W. and Heinzmann, C.W. (1996):** The S100 family of EF-hand calcium-binding proteins: functions and pathology.Trends Biochem. Sci., 21: 134 – 140.
- Schafer, B.W.; Wicky, R.; Engelkamp, M.K.; Mattei, M.G. and Heizmann, C.W. (1995):** Isolation of a YAC clone covering a cluster of nine S100 genes on human chromosome 1q21: rationale

for a new nomenclature of the S100 calcium-binding protein family. Genomics, 25: 638 – 643.

Schiff, E.; Ben-Baruch, G.; Peleg, E.; Rosenthal. T.; Alecalay, M. et al. (1992): Immunoreactive circulating endothelin-1 in normal and hypertensive pregnancies . Am. J. Obstet. Gynecol., 166: 624.

Schiff, E.; Friedman, SA.; (1999): Conservative management of sever preclampsia remote from term. Obstet. Gynecol., 84: 626 – 630.

Schobel, HP.; Fischer, T.; Heuszer, K.; Geiger, H. and Schmieder, R.E. (1996): Preeclampsia a state of sympathetic overactivity. N. Enj. J. Med. 336 : 1480 – 1485.

Schultz, A. (1984): Uric acid; in Kaplan A. Clinical Chemistry the CV Mosby Co St Louis. Toronto. Princeton 1261.

Sellins, K.S. and Cohen, J.J. (1987): Gene induction by γ -irradiation leads to DNA fragmentation in lymphocytes.J. Immunol., 139: 3199 – 3206.

Semb, A.G.; Gabrielsen, T.O.; Halstensen, T.S.; Fagerhol, M.K.; Brandtzaeg, P. and Vaage, J. (1991): Cardiac surgery and distribution of the leukocyte L1 protein – calprotectin. J. Cardiothorac. Surg., 5: 363 -367.

Shennan, A.; Gupta, M.; Halligna A.; Taylor D. and De Swiet, M.; (1996): Lack of reproducibility in pregnancy of korotkoff pahse IV as measured by mercury sphygmomanometry. Lancet, 347 : 139.

Shute, J.; Fagerhol, M.K.; Parmar, J.; Holgate, S .and Howarth, P. (1996): Calprotectin, a urinary marker of disease activity in severe asthma. BALP Summer Meeting.

- Sibai, BM. (1990):** The HELLP syndrome (hemolysis, elevated liver enzymes, and low platelets): Much ado about nothing? Am. J. Obstet. Gynecol., 162: 311.
- Sibai, B.M. (1998):** Prevention of pre-eclampsia a big disappointment. American J. of Obstetrics and Gynecology., 179: 1275.
- Sibai, B.M.; Ewell, M.; Levine, R.J.; Klebanoff, M.A.; Esterlitz, J.; Catalano, P.M.; Goldenberg, R.L. and Joffe, G. (1997):** Risk factors associated with preeclampsia in healthy nulliparous women. The Calcium for Preeclampsia Prevention (CPEP) Study Group. Am. J. Obstet. Gynecol., 177: 1003.
- Sibai, BM.; Gordon, T.; Thom, E.; Fairtis, SN.; Klebanoff, M.; Mcnellis, D. and Paul, RH. (1995):** Risk factors for pre-eclampsia in healthy nulliparous women: A prospective multicenter study. Am. J. Obstet. Gynecol., 172 : 642.
- Sibai, B.M.; Lindheimer, M.; Hauth, J.; Caritis, S.; VanDorston, P. et al. (1998):** Risk factors for pre-eclampsia, abruption placentae, and adverse neonatal outcome among women with chronic hypertension. N. Engl. J. Med., 339: 667.
- Sibai, BM.; Ramadan, MK.; Usta, I.; Salama, M.; Mercer, BM. and Frideman, S.A. (1993):** Maternal morbidity and mortality in 442 pregnancies with hemolysis, elevated liver enzymes, and low platelets (HELLP syndrome). Am. J. Obstet. Gynecol., 169: 1000.
- Sibai, BM.; Ramadan, M.K.; Chari, R.S. and Friedman, S.A. (1995):** Pregnancies complicated by HELLP syndrome (Hemolysis, elevated liver enzymes and low platelets): Subsequent pregnancy outcome and Longterm prognosis. Am. J. Obstet. Gynecol., 172 : 125 -129.

- Sibai, BM.; Taslimi, M.M.; El-Nazer, A.; Amon, E.; Mabie, B.C. and Ryan G.M. (1986):** Maternal perinatal outcome associated with the syndrome of hemolysis, elevated liver enzymes, and low platelets in severe pre-eclampsia-eclampsia. *Am. J. Obstet. Gynecol.*, 155: 501.
- Simmons, L.A.; Hennessy, A.; Gillin, A.G. and Jeremy, R.W. (2000):** Uteroplacental blood flow and placental vascular endothelial growth factor in normotensive and preeclamptic pregnancy. *Br. J. Obstet. Gynaecol.*, 107: 678.
- Sohnle, P.G.; Collins- Lech, C. and Wiessner, J.H. (1991):** Antimicrobial activity of an abundant calcium – binding protein in the cytoplasm of human neutrophils. *J. Infect. Dis.*, 163 : 187 – 192.
- Sohnle, P.G.; Hahn, B.L. and Santanagopalan. V. (1996):** Inhibition of candida albicans growth by calprotectin in the absence of direct contact with the organisms. *J. Infect. Dis.*, 174 : 1369-1372.
- Sorg, C. (1992):** The calcium binding proteins MRPS and MRP8 and MRP14 in acute and chronic inflammation. *Behringer Inst. Mitt.*, 91: 126-137.
- Spikrishna, G.; Panneersel, VAM, K.; Westphal, V.; Abraham, V.; Varkl, A. and Freeze, H.H. (2001):** Two proteins modulating transendothelial migration of leukocytes recognize novel carboxylated glycans on endothelial cells. *J. Immunol.*, 166: 4678-4688.
- Spitz, B.; Magness, R.R.; Cox, S.M. Brown, C.E.L.; Rosenfeld, C.R. et al. (1988):** Low-dose aspirin effect on angiotensin II pressor responses and blood prostaglandin concentrations in pregnant

women sensitive to angiotensin II. Am. J. Obstet. Gynecol., 159: 1035.

Staff, A.C.; Ranheim, T.;Knoury, J. and Henriksen, T. (1999): Increased contents of phospholipids, cholesterol, and lipid peroxidesin deciduas basalis in women with preeclampsia. Am. J. Obstet. Gynecol., 80: 587.

Stamilio, D.M.; Sehder, H.M.; Morgan, M.A.; Propert, K. and Macones, G.A. (2000): Can antenatal clinical and biochemical markers predict the development of severe preeclampsia? Am. J. Obstet. Gynecol., 182: 589.

Steinbakk, M.; Naess-Andresen, C.F.; Lingaas, E.; Dale, L.; Brandtzaeg, P. and Fagerhol. M.K. (1990): Antimicrobial actions of calcium binding leucocyte L1 protein, calprotectin. Lancet, 336: 763 – 765.

Strickland, D.M.; Guzick, D.S.; Cox, K.; Gant, N.F. and Rosenfeld, C.R. (1986): The relationship between abortion in the first pregnancy and the development of pregnancy-induced hypertension in the subsequent pregnancy Am. J. Obstet. Gynecol., 154: 146.

Strupat, K. Rogniaux, H.; Van Dorsselaer, A.; Roth, J. and Vogl, T. (2000): Calcium-induced noncovalently linked tetramers of MRP8 and MRP14 are confirmed by electrospray ionization-mass analysis. J. Am. Soc. Mass spectrum 11: 780-788.

Summerton, C.B.; Longlands, M.G.; Wiener, K. and Shreeve, D.R. (2002): Faecal calprotectin: a marker of inflammation throughout the intestinal tract. Eur. J. Gastroenterol. Hepatol., 14: 841 – 845.

- Susin, S.A.; Zamazmi, N. and Kroemer, G .(1998):** Mitochondria as regulators of apoptosis: doubt no more. *Biochem. Biophys. Acta.*, 1366: 151 – 165.
- Svennevig, J.L. and Lunde, O.C. and Holter, J. (1982):** In situ analysis of the inflammatory cell infiltrates in colon carcinomas and in the normal colon wall. *Acta Path. Microbiol. Immunol. Scand.*, 90 : 131 -137.
- Talledo, O.E.; Chesley, L.C. and Zuspan, F.P. (1968):** Renin angiotensin system in normal and toxemic pregnancies, Differential sensitivity to angiotensin II and norepinephrine in toxemia of pregnancy. *Am. J. Obstet. Gynecol.*, 100: 218.
- Taufield, P.A.; Ales, K.L.; Resnick, L.M.; Druzin, M.L.; Gertner, J.M and Laragu, JH. (1999):** Hypocalciuria in pre-eclampsia. *N. Engl. J. med.*, 316: 715.
- Taylor, R.N.; Heilbron, D.C. and Roberts, JM. (1990):** Growth factor activity in the blood of women in whom preeclampsia develops is elevated from early pregnancy. *Am. J. Obstet. Gynecol*, 1963 : 1839.
- Teigelkamp, S.; Bhardwai, R.S.; Roth, J.; Meinardus – Hager, G.; Karas, M. and Sorg, C. (1991):** Calcium – dependent complex assembly of the myeloid differentiation proteins MRP-8 and MRP-14. *J. Biol. Chem.*, 266 : 1342 – 1347.
- Thangaratinam, S.; Ismail, K.M.; Sharp, S.; Coomarasamy, A. and Khan KS (2006):** Accuracy of serum uric acid in predicting complications of pre-eclampsia: a systematic review. *Br. J. Obstet. Gynaecol.*, 113: 369.

- Thomas, D.J. and Caffey, T.C. (1991):** Lipopolysaccharide induces double-stranded DNA fragmentation in mouse thymus: protective effect of zinc pretreatment. *Toxicology*, 68: 327 – 337.
- Thomason, A.M.; Hytten, R.E. and Billewicz, W.Z. (1997):** The epidemiology of oedema during pregnancy. *Journal of Obstetrics and Gynecology of the Br. Com.*, 74 : 1- 5.
- Trogstad, L.I.; Eskild, A.; Bruu, A.L.; Jeansson, S. and Jenum, P.A. (2001):** Is pre-eclampsia an infectious disease? *Acta Obstet. Gynecol. Scand.*, 80: 1036.
- Trupin, L.S.; Simpson, L.P. and Eskenazi, B. (1996):** Change in paternity: A risk factor for preeclampsia in multiparas. *Epidemiology*, 7: 240.
- Van der Poll, T.; Buller, H.R.; Buller, H.; Tencate, E. et al., (1990):** Activation of coagulation after administration of tumor necrosis to normal subjects. *New Engl. J. Med.*, 11: 223 – 233.
- Van Heyningen, V. and Dorin, J. (1990):** Possible role for two calcium binding proteins of the S-100 family, co-expressed in granulocytes and certain epithelia. *Adv. Exp. Med. Biol.*, 269 : 139 – 143.
- Van Heyningen, V.; Hayward, C.; Fletcher, J. and McAuley, C. (1985):** Tissue localization and chromosomal assignment of a serum protein that tracks the cystic fibrosis gene. *Nature*, 315 : 513 -515.
- Villar MA. and Sibai, BM. (1989):** Clinical significance of elevated mean arterial blood pressure in second trimester and threshold increase in systolic blood pressure in preeclampsia. *Br. J. Obstet. Gynaecol.*, 11: 224 - 229.
- Visser, W., Beckmann, I.; Bremer, H.A.; Lim H.L.; and Wallenburg, H.C. (1994):** Bioactive tumour necrosis factor α in pre-eclamptic

patients with and without the HELLP syndrome. Br. J. Obstet. Gynaecol., 101 : 1081.

Volhard, F. (1918): Die doppelseitigen haematogenen Nierenkerkrankungen. Berlin, Springer.

Von Dadlszen, P. and Magee, L.A. (2002): Could an infectious trigger explain the differential maternal response to the shared placental pathology of pre-eclampsia and normotensive intrauterine growth restriction? Acta Obstet. Gynecol. Scand., 81: 642.

Walash, S.C. (1994): Lipid peroxidation in pregnancy. Hypertens. Preg., 13: 1.

Walker, J.J. (2000): Pre-eclampsia. Lancet, 365: 1260.

Wallach, D.; Boldwin, M.; Goncharoy, T.; Goltsev, Y.; Mett, I.; Malinin, N.; Adar, R.; Kovalenko, A. and Varfolomeev, E.(1996): Exploring cell death mechanisms by analyzing signaling cascades of the TNF/NGF receptor family. Behring Inst. Mill., 97: 144 – 55.

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

Ward, K.;Hata, A.; Jeunemaitre, X.; Helin, C.; Nelson, L.; Namikawa, C.; Farrington, P.F. et al., (1993): A molecular variant of angiotensinogen associated with preeclampsia (comment). Nat. Genet., 4: 59.

Weiner, C.; Martinez, E.; Zhu, L.K.; Ghodsi, A. and Chestnut, D. (1989): Invitro release of endothelium derived relaxing factor by acetylcholine is increased during the guinea pig pregnancy. Am.J. Obstet. Gynecol., 161: 1599.

- Weiner, C.T.; Thompson, L.P Liu, K.Z. and Herrig, J.E. (1992):** Endothelium-derived relaxing factor and indomethacin-sensitive contracting factor alter arterial contractile responses to thromboxane during pregnancy. *Am. J. Obstet. Gynecol.*, 166: 1171.
- Weinstein, L. (1982):** Syndrome of haemolysis, elevated liver enzyme, and low platelet count: a severe consequence of hypertension on
- Wilkinson, M.M.; Busutti, A.; Hayward, c.; Brock, D.J.; Dorin, J.R. and van Heyningen, V. (1988):** Expression pattern of two related cystic fibrosis – associated calcium-binding protein in normal and abnormal tissues. *J. Cell. Sci.*, 91 : 221 – 30.
- Wilson, G.B.; Fudenberg, H.H. and Jahn, T.L. (1975):** Studies on cystic fibrosis using isoelectric focusing. I. An assay for detection of cystic fibrosis homozygotes and heterozygote carriers from serum. *Pediatr. Res.*, 9 : 635 – 640.
- Wilson, G.B.; Jahn, T.L. and Fonseca, J.R. (1973):** Demonstration of serum protein differences in cystic fibrosis by isoelectric focusing in thin – layer polyacrylamide gels. *Clin. Chim. Acta*, 49: 79 – 85.
- Yallampalli, C.; Chwalisz, K. and Garfield, K.E. (2001):** Pre-eclampsia like conditions produced by nitric oxide inhibition: Effects of L-arginine, D-arginine and steroid hormones. *Hem. Reprod.* 10, (109) : 30.
- Yang, T.H.; Tzeng, S.; Cheng, I.; Burnett, M.G.; Yoshizawa, Y.; Fukuyama, K.; Lee, S.C. and Epstein, W.L. (1997):** Identification of the mouse calcium-binding proteins, MRP 8 and MRP 14, in *Schistosoma mansoni*-induced granulomas: biochemical and functional characterization. *J. Leuk. Biol.*, 61: 258 – 266.

- Yang, Z.; Deveer, M.J.; Gardiner, E.E.; Devenish, R.J.; Handley, C.J.; Underwood, J.R. et al. (1982):** Rabbit polymorphonuclear neutrophils form S-35-labeled S-sulfo-calgranulin C when incubated with inorganic FS-53D sulfate. J. Biol. Chem., 271 : 19802-19809.
- Yui, S.; Mikami, M. and Yamazaki, M. (1995):** Induction of apoptotic cell death in mouse lymphoma and human leukemia cell lines by a calcium-binding protein complex, calprotectin, derived from inflammatory peritoneal exudate cells. J. Leuk. Biol. 58: 650 – 658.
- Yui, S.; Mikami, M. and Yamazaki, M. (1997):** Growth-inhibitory and apoptosis-inducing activities of calprotectin derived from inflammatory exudate cells on normal fibroblasts: regulation by metal ions. J. Leuk. Biol., 61: 50 – 57.
- Yui, S.; Mikami, M. and Yamazaki, M.(1995):** Purification and characterization of the cytotoxic factor in rat peritoneal exudate cells: its identification as the calcium binding protein complex, calprotectin. Leuk. Biol., 58: 307 – 316.
- Yui, S.; Nakatani, Y.; Hunter, M.J.; Chazin, W.J.; Yamazaki, M.; (2002):** Implication of extracellular zinc exclusion by recombinant human calprotectin (MRP8 and MRP14) from target cells in its apoptosis-inducing activity. Mediators Inflamm.: 11, 165 – 172.
- Yui, S.; Yang, D.; Mikami, M. and Yamazaki, M.(1993):** Characterization of cell growth-inhibitory factor in inflammatory peritoneal exudate cells of rats. Microbiol. Immunol., 37: 961-969.

- Zalewski, P.D.; Forbes, I.J. and Giannakis, C. (1991):** Physiological role for zinc in prevention of apoptosis (gene-directed death). *Biochem. Int.*, 24: 1093 – 1101.
- Zeek, PM.; and Assali, NS. (1950):** Vascular changes with eclamptogen toxemia of pregnancy. *Am. J. of clinical pathology* 20: 1099. Quoted from Benirschke K. and Kaufmann P., (1995) *Pathology of the human placenta*, 3rd ed. Springer-verlag, New York, Inc. P: 493.
- Zheng, L.; Teschler, H.; Guzman, J.; Hubner, K.; Striz, I. and Cost Abel, U.(1995):** Alveolar macrophage TNF-alpha release and BAL cell phenotypes in sarcoidosis. *Am. J. Respir. Crit. Care Med.*, 152: 1061-1066.
- Zwadlo, G.; Bruggen, J.; Gerhards, G.; Schlegel, R. and Sorg, C. (1988):** Two calcium – binding proteins associated with specific stages of myeloid cell differentiation are expressed by subsets of macrophages in inflammatory tissues. *Clin. Exp. Immunol.*, 72 : 510 -515.