

DAFTAR PUSTAKA

- Allaire AD, Ballenger KA, Wells SR, McMahon MJ, Lessey BA. Placental apoptosis in preeclampsia. *Obstet Gynecol* 2000;96:271 e6
- Aly AS, Khandelwal M, Zhao J, Mehmet AH, Sammel MD, Parry S. Neutrophils are stimulated by syncytiotrophoblast microvillous membranes to generate superoxide radicals in women with preeclampsia. *Am.J.Obstet Gynecol* 2004; 190:252-8.
- Black S, Kadyrov M, Kaufmann P, Ugele B, Emans N, Huppertz B. Syncytial fusion of human trophoblast depends on caspase 8. *Cell Death Differ* 2004;11:90 e8.
- Barden A, Graham D, Beilin LJ, Ritchie J, Baker R, Walters BN, et al. Neutrophil CD11B expression and neutrophil activation in pre-eclampsia. *Clin Sci (Lond)* 1997;92:37-44.
- Baker PN, Cunningham FG. (2009). Platelet and coagulation abnormalities. In R. J. Lindheimer MD, *Chesley's Hypertensive Disorders* (2nd Edition ed.), pp. 349 –375). Connecticut: Elsevier.
- Berthold H 2008. Placental Origins of Preeclampsia. In : *Challenging the Current Hypothesis. American Heart Association.*
- Chen Q, Chen L, Liu B, Vialli C, Stone P, Ching LM, Chamley L. (2010). The role of autocrine TGFbeta1 in endothelial cell activation induced by phagocytosis of necrotic trophoblasts: a possible role in the pathogenesis of pre-eclampsia. *J Pathol* , 87-95.
- Cunningham, F. (2014). Hypertensive Disorders in Pregnancy. In *Williams Obstetrics, 24th eds* (pp. 1515-1516). New York: The McGraw-Hill Companies.
- Dekker GA and Sibai BM. The Immunology of preeclampsia. In *Seminars in Perinatology*. Philadelphia. WB Saunders Company 1999.23;1.p:24-33
- Duckitt K., Harrington D. (2005). Risk factors for preeclampsia at antenatal booking: systematic review. *BMJ* , 565.
- Goswami D , D. S. Tannetta , L. A. Magee, A. Fuchisawa, Redman CW, Sargent IL and P. von Dadelszen, Excess Syncytiotrophoblast Microparticle Shedding is a Feature of Early-onset Pre-eclampsia, but

not Normotensive Intrauterine Growth Restriction, *Placenta* 2006; 27, 56-61

Formigli L, Papucci L, Tani A, Schiavone N, Tempestini A, Orlandini GE, et al. Aponecrosis: morphological and biochemical exploration of a syncretic process of cell death sharing apoptosis and necrosis. *J Cell Physiol* 2000;182:41 e9.

Guller S, Role of the syncytium in placenta-mediated complications of preeclampsia, *Thrombosis Research*. 2009; 124: 389–392

Group.Kumar P, Sharma JB. (2010). Hypertensive Disorders in Pregnancy. *JIMSA* , 261-266.

Gupta AK, Holzgreve W, Huppertz B, Malek A, Schneider H, Hahn S. Detection of Fetal DNA and RNA in Placenta-Derived Syncytiotrophoblast Microparticles Generated in Vitro. *Clin.Chem.* 2004; 50:2187-90.

Hahn.S , Huppertz B, Holzgreve W. Fetal Cells and Cell Free Fetal Nucleic Acids in Maternal Blood: New Tools to Study Abnormal Placentation. *Placenta* .2005; 26:515-526

Hahn S, Rusterholz C, Hosli I, Lapaire O. Cell-free nucleic acids as potential markers for preeclampsia. *Placenta* 2011;32(Suppl.):S17e20.

Halicka HD, Bedner E, Darzynkiewicz Z. Segregation of RNA and separate packaging of DNA and RNA in apoptotic bodies during apoptosis. *Exp Cell Res* 2000;260:248 e56.

Hung TH, Skepper JN, Charnock-Jones DS, Burton GJ. Hypoxiareoxygenation: a potent inducer of apoptotic changes in the human placenta and possible etiological factor in preeclampsia. *Circ Res* 2002;90:1274 e81.

Huppertz B, Frank HG, Kingdom JC, Reister F, Kaufmann P. Villous cytotrophoblast regulation of the syncytial apoptotic cascade in the human) placenta. *Histochem.Cell Biol.* 1998; 110:495-508

Huppertz B, Tews DS, Kaufmann P. Apoptosis and syncytial fusion in human placental trophoblast and skeletal muscle. *Int Rev Cytol* 2001; 205:215 e53.

Indumati V., Kodliwadmth MV., Sheela MK. (2011). The Role of serum Electrolytes in Pregnancy induced hypertension. *Journal of Clinical and Diagnostic Research* , 66-69.

- Ishihara N, Matsuo H, Murakoshi H, Laoag-Fernandez JB, Samoto T, Maruo T. Increased apoptosis in the syncytiotrophoblast in human term placentas complicated by either preeclampsia or intrauterine growth retardation. *Am.J.Obstet Gynecol* 2002; 186:158-66.
- Jenkins MB . Preeclampsia. HYPERLINK "<http://www.emedicine.htm>"
<http://www.emedicine.htm> .
- Johansen M, Redman CW, Wilkins T, Sargent IL. Trophoblast deportation in human pregnancy--its relevance for pre-eclampsia. *Placenta* 1999; 20:531-9.
- Kadyrov M, Schmitz C, Black S, Kaufmann P, Huppertz B. Pre-eclampsia and maternal anaemia display reduced apoptosis and opposite invasive phenotypes of extravillous trophoblast. *Placenta* 2003; 24:540 e8
- Knight M, Redman CW, Linton EA, Sargent IL. Shedding of syncytiotrophoblast microvilli into the maternal circulation in preeclamptic pregnancies. *BJOG* 1998;105:632-40.
- Kumar, S., Lo, D.Y.M., Smarason, A.K., Chan, L.Y.S., Linton, E.A., Redman, C.W.G., Sargent, I.L. Pre-eclampsia is associated with increased levels of circulating apoptotic microparticles and fetal cell-free DNA. *J. Soc. Gynecol. Invest.* 2000; 7 (Suppl.): 181a.
- Kumar P., Sharma JB. (2010). Hypertensive Disorders in Pregnancy. *JIMSA* , 261-266.
- Lam C, Lim KH, Karumanchi A. (2005). Circulating Angiogenic Factors in the Pathogenesis and Prediction of Preeclampsia. *Hypertension* , 1077-1085.
- Leung DN, Smith SC, To KF, Sahota DS, Baker PN. Increased placental apoptosis in pregnancies complicated by preeclampsia. *Am.J.Obstet.Gynecol.* 2001; 184:1249-50.
- Leung TN, Zhang J, Lau TK, Chan LY, Lo YM. Increased maternal plasma fetal DNA concentrations in women who eventually develop preeclampsia. *Clin Chem* 2001 Jan;47(1):137e9.
- Lindheimer MD, Conrad KP, Karumanchi SA. (2008). Renal physiology and disease in pregnancy. In S. a. Giebisch, & H. S. Alpern RJ (Ed.), *The*

Kidney : Physiology and Pathophysiology (4th Edition ed., pp. 2339 – 2398). San Diego: Elsevier.

Lo YM, Corbetta N, Chamberlain PF, Rai V, Sargent IL, Redman CW, et al. Presence of fetal DNA in maternal plasma and serum. *Lancet* 1997;350:485 e7.

Lo YM, Tein MS, Lau TK, Haines CJ, Leung TN, Poon PM, et al. Quantitative analysis of fetal DNA in maternal plasma and serum: implications for noninvasive prenatal diagnosis. *Am J Hum Genet* 1998; 62:768 e75

Lo YM, Lau TK, Zhang J, Leung TN, Chang AM, Hjelm NM, et al. Increased fetal DNA concentrations in the plasma of pregnant women carrying fetuses with trisomy 21. *Clin Chem* 1999;45:1747 e51.

Levine RJ, Hauth JC, Curet LB, Sibai BM, Catalano PM, Morris CD, et al. Trial of calcium to prevent preeclampsia. *N Engl J Med* 1997 Jul 10;337(2):69e76.

Levine RJ, Qian C, Leshane ES, Yu KF, England LJ, Schisterman EF, et al. Twostage elevation of cell-free fetal DNA in maternal sera before onset of preeclampsia. *Am J Obstet Gynecol* 2004 Mar;190(3):707e13

Madi J, sulin D. Angka kematian pasien Preeklampsia dan eklampsia di Perjan RS Dr. M. Djamil padang tahun 1998-2002, bagian Obstetri dan Ginekologi FK Unand/ RS Dr. M. Djamil Padang. Disampaikan pada Kongres POGI XII; Yogyakarta 4-9 Juli 2003

Manyonda IT. The immunology of preeclampsia. In *The Immunology of human reproduction*. London. Taylor & Francis. 2006.p:79-94

Prawirohardjo, S. (2011). *Ilmu Kebidanan*. Jakarta: PT. Bina Pustaka Sarwono Prawirohardjo.

Redman CW, Sargent IL. Placental debris, oxidative stress and preeclampsia. *Placenta* 2000;21:597 e602.

Redman CWG, Sargent IL. (2001). The pathogenesis of Pre-eclampsia. *Gynecol Obstet Fertil* , 29, 518-522.

Redman CW, Tannetta DS, Dragovic RA, et al. Review: does size matter? Placental debris and the pathophysiology of pre-eclampsia. *Placenta* 2012;33 (Supl.):S48–54

- Roberts, JM., Cooper, DW. (2001). Pathogenesis and genetics of preeclampsia. *Lancet* , 53–56.
- Roberts, JM., Gammil, HS. (2005). Preeclampsia Recent Insight. *Hypertension* (46), 1243-1249.
- Robson SC. Hypertension and renal disease in pregnancy. Dewhurst's Textbook of obstetric and Gynecology for Postgraduates, sixth edition, edited by Edmonds DK.London, Blackwell and Science Ltd. 1999: 166-185
- Reddy A, Zhong XY, Rusterholz C, et al. The effect of labour and placental separation on the shedding of syncytiotrophoblast microparticles, cell-free DNA and mRNA in normal pregnancy and pre-eclampsia. *Placenta* 2008;29(11): 942–949
- Roeshadi RH. Hipertensi dalam kehamilan. Dalam : Ilmu Kedokteran Fetomaternal, edisi perdana. Himpunan Kedokteran Fetomaternal. Perkumpulan Obstetri dan Ginekologi. Surabaya. 2004: 494-99
- Saftlas, AF., Olson, DR., Franks, AL., Atrash, HK., Pokras, R.. (1990). Epidemiology of preeclampsia and eclampsia in the United States 1979-1986. *Am J Obstet Gynecol* , 460-465.
- Saputra, NP. (2014). *Analisa Faktor Risiko Preeklampsia*. Padang: PPDS Obstetri dan Ginekologi FK UNAND.
- Sargent IL, Germain SJ, Sacks GP, Kumar S, Redman CW. Trophoblast deportation and the maternal inflammatory response in pre-eclampsia. *J.Reprod.Immunol.* 2003; 59:153-60.
- Sheehan HL, Lynch JP. (1973). *The pathology of toxemia*. Baltimore: Wilkins and Wilkins.
- Shennan AH, Waugh J. (2003). The measurement of blood pressure and proteinuria in pregnancy. (H. Critchly, A. MacLean, L. Poston, & J. Walker, Eds.) *Preeclampsia* , pp. 305-324.
- Sibai, B. M. (2003). Diagnosis and Management of Gestational Hypertension and Preeclampsia. *The American College of Obstetricians and Gynecologists* , 102 (1).
- Sifakis S, Zaravinos A, Maiz N, Spandidos DA, Nicolaidis KH. First-trimester maternal plasma cell-free fetal DNA and preeclampsia. *Am J Obstet Gynecol* 2009 Nov;201(5)(472):e1e7

- Sofowan S. Preeklampsia – Eklampsia di beberapa rumah sakit di Indonesia, patogenesis dan kemungkinan pencegahannya. *Maj Obstet Ginekol Indones*, Juli. 2003:27(3)
- Soleymanlou N, Jurisica I, Nevo O, Ietta F, Zhang X, Zamudio S, et al. Molecular evidence of placental hypoxia in preeclampsia. *J Clin Endocrinol Metab* 2005 Jul;90(7): 4299e308
- Stegers EAP, Dadelszen P, Duvekot JJ, Pijnenborg R . (2010). Preeclampsia in Seminar. 376 , 631-644.
- Swinkels DW, de Kok JB, Hendriks JC, Wiegerinck E, Zusterzeel PL, Steegers EA. Hemolysis, elevated liver enzymes, and low platelet count (HELLP) syndrome as a complication of preeclampsia in pregnant women increases the amount of cell-free fetal and maternal DNA in maternal plasma and serum. *Clin Chem* 2002;48(4):650e3.
- Tjoa ML, Cindrova-Davies T, Spasic-Boskovic O, Bianchi DW, Burton GJ. Trophoblastic oxidative stress and the release of cell-free fetal-placental DNA. *Am J Pathol* 2006 Aug;169(2):400e4.
- Wagner, L. (2004). Diagnosis and Management of Preeclampsia. *Am Fam Physician* , 2317-2324.
- Wataganara T, Metzenbauer M, Peter I, Johnson KL, Bianchi DW. Placental volume, as measured by 3-dimensional sonography and levels of maternal plasma cell-free fetal DNA. *Am J Obstet Gynecol* 2005;193(2):496e500.
- Winkstrom 2007. Biochemical And Epidemiological Studies Of Early-Onset Dan Late-Onset Pre Eclampsia. In Digital Comphrehensive Summaries From The Faculty Of Medicine
- Yu Chen, Huang Yajuan, Rongzhen Jiang, Teng Yincheng. Syncytiotrophoblast-derived microparticle shedding in early-onset and late-onset severe pre-eclampsia *International Journal of Gynecology and Obstetrics* 2012; 119:234–238
- Zhou Y, Damsky CH, Fisher SJ. (1997). Preeclampsia is associated with failure of human cytotrophoblasts to mimic a vascular adhesion phenotype. One cause of defective endovascular invasion in this syndrome? *J Clin Invest* , 2152-2164.
- Zhong XY, Holzgreve W, Hahn S. The levels of circulatory cell free fetal DNA in maternal plasma are elevated prior to the onset of preeclampsia. *Hypertens Pregnancy* 2002;21:77e83.