DAFTAR KEPUSTAKAAN

Aftab, F., Ahmed, I., Ahmed, S., Ali, S. M., Amenga-Etego, S., Ariff, S., Bahl, R., Baqui, A. H., Begum, N., Bhutta, Z. A., Biemba, G., Cousens, S., Das, V., Deb, S., Dhingra, U., Dutta, A., Edmond, K., Esamai, F., Ghosh, A. K., ... Zaidi, A. K. (2021) 'Direct maternal morbidity and the risk of pregnancy-related deaths, stillbirths, and neonatal deaths in South Asia and sub- Saharan Africa: A population-based prospective cohort study in 8 countries', *PLoS Medicine*, 18(6). Available at: https://doi.org/10.1371/journal.pmed.1003644

Akbar, M. I. A., Ernawati, E. and Dachlan, E. G. (2019) 'The Hypertension in Pregnancy Problems in Indonesia'. Available at: https://www.researchgate.net/publication/332212667

Akhilesh, M., Mahalingam, V., Nalliah, S., Ali, R., Ganesalingam, M. and Haleagrahara, N. (2013) 'Hypoxia-inducible factor-1α as a predictive marker in pre-eclampsia', *Biomedical Reports*, 1(2), pp. 257–258. Available at: https://doi.org/10.3892/br.2012.44

Albogami, S. M., Al-kuraishy, H. M., Al-Maiahy, T. J., Al-Buhadily, A. K., Al-Gareeb, A. I., Alorabi, M., Alotaibi, S. S., De Waard, M., Sabatier, J. M., Saad, H. M. and Batiha, G. E. S. (2022) 'Hypoxia-Inducible Factor 1 and Preeclampsia: A New Perspective', *Current Hypertension Reports*, 24(12), pp. 687–692. Available at: https://doi.org/10.1007/s11906-022- 01225-1

Anton, L., Olarerin-George, A. O., Schwartz, N., Srinivas, S., Bastek, J., Hogenesch, J. B. and Elovitz, M. A. (2013) 'MiR-210 inhibits trophoblast invasion and is a serum biomarker for preeclampsia', *American Journal of Pathology*, 183(5), pp. 1437–1445. Available at: https://doi.org/10.1016/j.ajpath.2013.07.021

Aouache, R., Biquard, L., Vaiman, D. and Miralles, F. (2018) 'Oxidative stress in preeclampsia and placental diseases', *International Journal of Molecular Sciences*, 19(5), p. 1496. Available at: https://doi.org/10.3390/ijms19051496

Bicocca, M. J., Mendez-Figueroa, H., Chauhan, S. P. and Sibai, B. M. (2020) 'Maternal obesity and the risk of early- and late-onset hypertensive disorders of pregnancy', *Obstetrics and Gynecology*, 136(1), pp. 118–127. Available at: https://doi.org/10.1097/AOG.0000000000003901

Bînă, A. M., Sturza, A., Iancu, I., Mocanu, A. G., Bernad, E., Chiriac, D. V., Borza, C. et al. (2022) 'Placental oxidative stress and monoamine oxidase expression are increased in severe preeclampsia: A pilot study', *Molecular and Cellular Biochemistry*, 477(12), pp. 2851–2861.

Brown, M. A., Magee, L. A., Kenny, L. C., Karumanchi, S. A., McCarthy, F. P., Saito, S., Hall, D. R., Warren, C. E., Adoyi, G. and Ishaku, S. (2018) 'Hypertensive disorders of

pregnancy: ISSHP classification, diagnosis, and management recommendations for international practice', *Hypertension*, 72(1), pp. 24–43. Available at: https://doi.org/10.1161/HYPERTENSIONAHA.117.10803

Burton, G. J., Redman, C. W., Roberts, J. M. and Moffett, A. (2019) 'Pre-eclampsia: pathophysiology and clinical implications', *The BMJ*, 366. Available at: https://doi.org/10.1136/bmj.l2381

Chavane, L. A., Bailey, P., Loquiha, O., Dgedge, M., Aerts, M. and Temmerman, M. (2018) 'Maternal death and delays in accessing emergency obstetric care in Mozambique', *BMC Pregnancy and Childbirth*, 18(1). Available at: https://doi.org/10.1186/s12884-018-1699-z

Chen, J. and Khalil, R. A. (2017) 'Matrix Metalloproteinases in Normal Pregnancy and Preeclampsia', in *Progress in Molecular Biology and Translational Science*, Vol. 148, pp. 87–165. Elsevier B.V. Available at: https://doi.org/10.1016/bs.pmbts.2017.04.001

Duckitt, K. and Harrington, D. (2005) 'Risk factors for pre-eclampsia at antenatal booking: Systematic review of controlled studies', *British Medical Journal*, 330(7491), pp. 565–567. Available at: https://doi.org/10.1136/bmj.38380.674340.E0

Duckitt, K. and Harrington, D. (2005) 'Risk factors for pre-eclampsia at antenatal booking: Systematic review of controlled studies', *British Medical Journal*, 330(7491), pp. 565–567. Available at: https://doi.org/10.1136/bmj.38380.674340.E0

Fitriani, H., Setya R, A. and Keni, M. (2021) 'Risk Factors of Preeclampsia Among Pregnant Women in Indonesia', *KnE Life Sciences*, pp. 836–841. Available at: https://doi.org/10.18502/kls.v6i1.8761

Galis, Z. S. and Khatri, J. J. (2002) 'Matrix Metalloproteinases in Vascular Remodeling and Atherogenesis - The Good, the Bad, and the Ugly', *Circulation Research*, 90, pp. 251–262.

Garovic, V. D., Dechend, R., Easterling, T., Karumanchi, S. A., Baird, S. M. M., Magee, L. A., Rana, S., Vermunt, J. V. and August, P. (2022) 'Hypertension in Pregnancy: Diagnosis, Blood Pressure Goals, and Pharmacotherapy: A Scientific Statement From the American Heart Association', *Hypertension*, 79(2), pp. E21–E41. Available at: https://doi.org/10.1161/HYP.0000000000000208

Gomathy E, Akurati, L. and Radhika, K. (2018) 'Early and late onset preeclampsia—maternal and perinatal outcomes in a rural tertiary health center', *International Journal of Reproduction, Contraception, Obstetrics and Gynecology*, 7(6), p. 2266. Available at: https://doi.org/10.18203/2320-1770.ijrcog20182333

Gómez-Moreno, D., Adrover, J. M. and Hidalgo, A. (2018) 'Neutrophils as effectors of vascular inflammation', *European Journal of Clinical Investigation*, 48. Available at:

https://doi.org/10.1111/eci.12940

Guerby, P., Tasta, O., Swiader, A., Pont, F., Bujold, E., Parant, O., Vayssiere, C., Salvayre, R. and Negre-Salvayre, A. (2021) 'Role of oxidative stress in the dysfunction of the placental endothelial nitric oxide synthase in preeclampsia', *Redox Biology*, 40. Available at: https://doi.org/10.1016/j.redox.2021.101861

ahne, M., Schumann, P., Mursell, M., Strehl, C., Hoff, P., Buttgereit, F. and Gaber, T. (2018) 'Unraveling the role of hypoxia-inducible factor (HIF)-1α in preeclampsia', *Journal of Reproductive Immunology*, 128, pp. 13–21. Available at: https://doi.org/10.1016/j.jri.2018.03.002

Harless, W. (2021) 'The pathophysiology of preeclampsia', *Best Practice & Research Clinical Obstetrics & Gynaecology*, 73, pp. 1–14. Available at: https://doi.org/10.1016/j.bpobgyn.2020.10.002

Herington, J., Czosnyka, M., Chrzanowski, R. and Sibly, M. (2020) 'Pathophysiology of Preeclampsia', in *Preeclampsia*, pp. 11–23. Springer, Cham. Available at: https://doi.org/10.1007/978-3-030-25683-9_2

Hong, J., Shih, M. and Lee, J. (2016) 'Placental Hypoxia-Inducible Factor-1α and Soluble Fms-Like Tyrosine Kinase 1 Levels in Preeclampsia', *Journal of Clinical Medicine*, 5(5), p. 44. Available at: https://doi.org/10.3390/jcm5050044

Hubel, C. A., Roberts, J. M., Taylor, R. N., Duley, L., Fisher, S. J., Hall, D. R., Kuller, L. H., McCowan, L., Mulder, J., Powell, A., Sargent, I. L., Shaffer, T., Ward, K. and Warriner, S. (2019) 'Vascular biology and preeclampsia: Pathophysiology, complications, and clinical implications', *Journal of the American Heart Association*, 8(15). Available at: https://doi.org/10.1161/JAHA.119.013303

Jaszczuk, I., Koczkodaj, D., Kondracka, A., Kwaśniewska, A., Winkler, I. and Filip, A., 2022. The role of miRNA-210 in pre-eclampsia development. *Annals of Medicine*, 54(1), pp. 1350–1356. Taylor and Francis Ltd. Available at: https://doi.org/10.1080/07853890.2022.2071459 [Accessed 5 January 2025].

Jeyabalan, A., 2013. Epidemiology of preeclampsia: Impact of obesity. *Nutrition Reviews*, 71(Suppl. 1). Available at: https://doi.org/10.1111/nure.12055 [Accessed 5 January 2025].

Jiang, Q., Geng, X., Warren, J., Cosky, E.P., Kaura, S., Stone, C., Li, F. and Ding, Y., 2020. Hypoxia Inducible Factor-1α (HIF-1α) Mediates NLRP3 Inflammasome-Dependent Pyroptotic and Apoptotic Cell Death Following Ischemic Stroke. *Neuroscience*, 448, pp. 126–139. Available at: https://doi.org/10.1016/j.neuroscience.2020.09.036 [Accessed 5 January 2025].

Jung, E., Romero, R., Yeo, L., Gomez-Lopez, N., Chaemsaithong, P., Jaovisidha, A., Gotsch, F. and Erez, O., 2022. The etiology of preeclampsia. *American Journal of Obstetrics and Gynecology*, 226(2), pp. S844–S866. Available at: https://doi.org/10.1016/j.ajog.2021.11.1356 [Accessed 5 January 2025].

Karrar, S. and Hong, P.L., 2023. Preeclampsia. StatPearls Publishing, Treasure Island

(FL). Kemenkes RI, 2019. Laporan Nasional RISKESDAS 2018.

Kimura, C., Watanabe, K., Iwasaki, A., Mori, T., Matsushita, H., Shinohara, K. and Wakatsuki, A., 2013. The severity of hypoxic changes and oxidative DNA damage in the placenta of early- and late-onset preeclamptic women and fetal growth restriction. *The Journal of Maternal-Fetal & Neonatal Medicine*, 26(5), pp. 491-496.

Kinanti, H., Akbar, M.I.A. and Lestari, P., 2022. Early- and Late-Onset Preeclampsia at a Tertiary Hospital in 2016. *JUXTA: Jurnal Ilmiah Mahasiswa Kedokteran Universitas Airlangga*, 13(1), pp. 6. Available at: https://doi.org/10.20473/juxta.v13i12022.6-8 [Accessed 5 January 2025].

Kopriva, S.E., Chiasson, V.L., Mitchell, B.M. and Chatterjee, P., 2013. TLR3-Induced Placental miR-210 Down-Regulates the STAT6/Interleukin-4 Pathway. *PLoS ONE*, 8(7). Available at: https://doi.org/10.1371/journal.pone.0067760 [Accessed 5 January 2025].

Koushki, M., Dash, N.A., Omidi-Ardali, H. and Tavirani, M.R., 2018. Assessment of correlation between miR-210 expression and pre-eclampsia risk: A meta-analysis. *Reports of Biochemistry & Molecular Biology*, 7(1). Available at: www.RBMB.net [Accessed 5 January 2025].

Laskowska, M., 2017. Altered maternal serum matrix metalloproteinases MMP-2, MMP-3, MMP- 9, and MMP-13 in severe early- and late-onset preeclampsia. *BioMed Research International*, 2017. Available at: https://doi.org/10.1155/2017/6432426 [Accessed 5 January 2025].

Li, J., Wu, G., Cao, Y. and Hou, Z., 2019. Roles of miR-210 in the pathogenesis of pre-eclampsia. *Archives of Medical Science*, 15(1), pp. 183–190. Available at: https://doi.org/10.5114/aoms.2018.73129 [Accessed 5 January 2025].

Lisonkova, S. and Joseph, K.S., 2013. Incidence of preeclampsia: Risk factors and outcomes associated with early- versus late-onset disease. *American Journal of Obstetrics and Gynecology*, 209(6), pp. 544.e1-544.e12. Available at: https://doi.org/10.1016/j.ajog.2013.08.019 [Accessed 5 January 2025].

Liu, C., Zhou, Y. and Zhang, Z., 2012. MiR-210: An important player in the pathogenesis of preeclampsia? *Journal of Cellular and Molecular Medicine*, 16(4), pp. 943–944. Available at: https://doi.org/10.1111/j.1582-4934.2011.01370.x [Accessed 5 January 2025].

Lu, Q., Zhang, X., Wang, Y., Li, J., Xu, Y., Song, X., Su, S., Zhu, X., Vitiello, M.V., Shi, J., Bao, Y. and Lu, L., 2021. Sleep disturbances during pregnancy and adverse maternal and fetal outcomes: A systematic review and meta-analysis. *Sleep Medicine Reviews*, 58. Available at: https://doi.org/10.1016/j.smrv.2021.101436 [Accessed 5 January 2025].

Luo, R., Shao, X., Xu, P., Liu, Y., Wang, Y., Zhao, Y., Liu, M., Ji, L., Li, Y. and Chang, C., 2014. MicroRNA-210 contributes to preeclampsia by downregulating potassium channel. *Hypertension*, Available at: https://doi.org/10.1161/HYPERTENSIONAHA [Accessed 5 January 2025].

Marín, R., Chiarello, D.I., Abad, C., Rojas, D., Toledo, F. and Sobrevia, L., 2020. Oxidative stress and mitochondrial dysfunction in early- and late-onset preeclampsia. *Biochimica et Biophysica Acta - Molecular Basis of Disease*, 1866(12). Available at: https://doi.org/10.1016/j.bbadis.2020.165961 [Accessed 5 January 2025].

Metzger**,** B.E., Lowe, L.P., Dyer, A.R., Chaovarindr, U., Hospital, R., Coustan, D.R., Hadden, D.R., McCance, D.R., Ireland, N., Hod, M., David McIntyre, H., Oats, J.J., Mi-, M., Persson, B., Kong, H., Sacks, D.A. and Foun-, K., 2008. Hyperglycemia and adverse pregnancy outcomes. *New England Journal of Medicine*, 358(19), pp. 1991–2002. Available at: www.nejm.org

[Accessed 5 January 2025].

Mutharasan, R.K., Nagpal, V., Ichikawa, Y. and Ardehali, H., 2011. MicroRNA-210 is upregulated in hypoxic cardiomyocytes through Akt-and p53-dependent pathways and exerts cytoprotective effects. *American Journal of Physiology - Heart and Circulatory Physiology*, 301. Available at: https://doi.org/10.1152/ajpheart.01080.2010 [Accessed 5 January 2025].

Myers, D.A., Singleton, K., Hyatt, K., Mlynarczyk, M., Kaushal, K.M. & Ducsay, C.A., 2015. Long- term gestational hypoxia modulates expression of key genes governing mitochondrial function in the perirenal adipose of the late gestation sheep fetus. *Reproductive Sciences*, 22(6), pp.654- 663.

Mylonis, I., Chachami, G., Samiotaki, M., Panayotou, G., Paraskeva, E., Kalousi, A., Georgatsou, E., Bonanou, S. & Simos, G., 2006. Identification of MAPK phosphorylation sites and their role in the localization and activity of hypoxia-inducible factor-1α. *Journal of Biological Chemistry*, 281(44), pp.33095-33106. https://doi.org/10.1074/jbc.M605058200

Nikolov, A. & Popovski, N., 2021. Role of gelatinases MMP-2 and MMP-9 in healthy and complicated pregnancy and their future potential as preeclampsia biomarkers. *Diagnostics*,
11(3). MDPI. https://doi.org/10.3390/diagnostics11030480

Nikuei, P., Davoodian, N., Tahamtan, I. & Keshtkar, A.A., 2016. Predictive value of miR-210 as a novel biomarker for pre-eclampsia: A systematic review protocol. *BMJ Open*. https://doi.org/10.1136/bmjopen-2016

Ozmen, E. & Sahin, H.G., 2023. Investigation of matrix metalloproteinases levels in preeclamptic/eclamptic pregnancy. *East Journal of Medicine*, 28(2), pp.307-313.

Perrone, S., Tataranno, M.L., Negro, S., et al., 2016. Placental histological examination and

the relationship with oxidative stress in preterm infants. *Placenta*, 46, pp.72-78.

Phipps, E., Prasanna, D., Brima, W. & Jim, B., 2016. Preeclampsia: Updates in pathogenesis, definitions, and guidelines. *Clinical Journal of the American Society of Nephrology*, 11(6), pp.1102-1113. https://doi.org/10.2215/CJN.12081115

Pineles, B.L., Romero, R., Montenegro, D., Tarca, A.L., Han, Y.M., Kim, Y.M., Draghici, S., Espinoza, J., Kusanovic, J.P., Mittal, P., Hassan, S.S. & Kim, C.J., 2007. Distinct subsets of microRNAs are expressed differentially in the human placentas of patients with preeclampsia. *American Journal of Obstetrics and Gynecology*, 196(3), pp.261.e1-261.e6. https://doi.org/10.1016/j.ajog.2007.01.008

Qin, Q., Wei, F. & Li, B., 2014. Multiple functions of hypoxia-regulated miR-210 in cancer. *Journal of Experimental and Clinical Cancer Research*, 33(1). BioMed Central Ltd. https://doi.org/10.1186/1756-9966-33-50

Rana, S., Lemoine, E., Granger, J. & Karumanchi, S.A., 2019. Preeclampsia: Pathophysiology, Challenges, and Perspectives. *Circulation Research*, 124(7), pp.1094-1112. https://doi.org/10.1161/CIRCRESAHA.118.313276

Rath, G., Aggarwal, R., Jawanjal, P., Tripathi, R. & Batra, A., 2016. HIF-1 Alpha and Placental Growth Factor in Pregnancies Complicated With Preeclampsia: A Qualitative and Quantitative Analysis. *Journal of Clinical Laboratory Analysis*, 30(1), pp.75-83. https://doi.org/10.1002/jcla.21819

Raymond, D. & Peterson, E., 2011. A Critical Review of Early-Awitan and Late-Awitan Preeclampsia. *Obstetrics & Gynecology Survey*.

Sánchez-Aranguren, L.C., Prada, C.E., Riaño-Medina, C.E. & Lopez, M., 2014. Endothelial dysfunction and preeclampsia: Role of oxidative stress. *Frontiers in Physiology*, 5, OCT. Frontiers Research Foundation. https://doi.org/10.3389/fphys.2014.00372

Sari, N.P., Utama, B.I. & Agus, M., 2017. Factors Related with the Incidence of Severe Preeclampsia at the Hospital Dr M Djamil Padang. *Journal of Midwifery*, 2(2). Available at: http://jom.fk.unand.ac.id

Schenkelaars, N., Rousian, M., Hoek, J., Schoenmakers, S., Willemsen, S. & Steegers-Theunissen, R., 2021. Preconceptional maternal weight loss and hypertensive disorders in pregnancy: A systematic review and meta-analysis. *European Journal of Clinical Nutrition*, 75(12), pp.1684- 1697. Springer Nature. https://doi.org/10.1038/s41430-021-00902-9

Serudji, J., Irawati, N., Mose, J.C., Ali, H. & Yusrawati, Y., 2022. Serum HIF-1α Levels, miR-210 Expressions, and Reactive Oxygen Species Levels in Early Abortion and Normal Pregnancy. *Open Access Macedonian Journal of Medical Sciences*, 10(B), pp.1779-1783. https://doi.org/10.3889/oamjms.2022.9325

Shirasuna, K., Karasawa, T. & Takahashi, M., 2020. Role of the NLRP3 Inflammasome in

Preeclampsia. *Frontiers in Endocrinology*, 11. Frontiers Media S.A. https://doi.org/10.3389/fendo.2020.00080

Socha, M.W., Malinowski, B., Puk, O., Dubiel, M. & Wiciński, M., 2020. The NLRP3 Inflammasome Role in the Pathogenesis of Pregnancy Induced Hypertension and Preeclampsia. *Cells*, 9(7). NLM (Medline). https://doi.org/10.3390/cells9071642

Soobryan, N., Kumar, A., Moodley, J. & Mackraj, I., 2023. The role and expression of pro/antiangiogenic factors and microRNAs in gestational hypertension and pre-eclampsia. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 290, pp.38-42.

Sriyanti, R., Mose, J.C., Masrul, M. & Suharti, N., 2019. The difference in maternal serum hypoxia- inducible factors-1α levels between early awitan and late-awitan preeclampsia. *Open Access Macedonian Journal of Medical Sciences*, 7(13), pp.2133-2137. https://doi.org/10.3889/oamjms.2019.601

Staff, A.C., 2019. The two-stage placental model of preeclampsia: An update. *Journal of Reproductive Immunology*, 134-135, pp.1-10.

Stoneman, V.E.A. & Bennett, M.R., 2004. Role of apoptosis in atherosclerosis and its therapeutic implications. *Clinical Science*, 107.

Staff, A.C., 2019. The two-stage placental model of preeclampsia: An update. *Journal of Reproductive Immunology*, 134-135, pp.1-10.

Tal, R., 2012. The role of hypoxia and hypoxia-inducible factor-1alpha in preeclampsia pathogenesis. *Biology of Reproduction*, 87(6). https://doi.org/10.1095/biolreprod.112.102723

Tal, R., Shaish, A., Barshack, I., Polak-Charcon, S., Afek, A., Volkov, A., Feldman, B., Avivi, C. & Harats, D., 2010. Effects of hypoxia-inducible factor-1α overexpression in pregnant mice: Possible implications for preeclampsia and intrauterine growth restriction. *American Journal of Pathology*, 177(6), pp.2950-2962. https://doi.org/10.2353/ajpath.2010.090800

Thomas, L.W. & Ashcroft, M., 2019. Exploring the molecular interface between hypoxia-inducible factor signalling and mitochondria. *Cellular and Molecular Life Sciences*, 76(9), pp.1759-1777. Birkhauser Verlag AG. https://doi.org/10.1007/s00018-019-03039-y

Timokhina, E., Strizhakov, A., Ibragimova, S., Gitel, E., Ignatko, I., Belousova, V. & Zafiridi, N., 2020. Matrix Metalloproteinases MMP-2 and MMP-9 Occupy a New Role in Severe Preeclampsia. *Journal of Pregnancy*, 2020. https://doi.org/10.1155/2020/8369645

Tong, W. & Giussani, D.A., 2019. Preeclampsia link to gestational hypoxia. *Journal of Developmental Origins of Health and Disease*, 10(3), pp.322-333. https://doi.org/10.1017/S204017441900014X

Turan, S., Aberdeen, G.W. & Thompson, L.P., 2017. Chronic hypoxia alters maternal uterine and fetal hemodynamics in the full-term pregnant guinea pig. *American Journal of Physiology- Regulatory, Integrative and Comparative Physiology*, 313(4), pp.R330-R339.

Van Der Merwe, J.L., Hall, D.R., Wright, C., Schubert, P. & Grové, D., 2010. Are early and late preeclampsia distinct subclasses of the disease? What does the placenta reveal? *Hypertension in Pregnancy*, 29(4), pp.457-467. https://doi.org/10.3109/10641950903572282

Wang, W., Xie, X., Yuan, T., Wang, Y., Zhao, F., Zhou, Z. & Zhang, H., 2021. Epidemiological trends of maternal hypertensive disorders of pregnancy at the global, regional, and national levels: a population-based study. *BMC Pregnancy and Childbirth*, 21(1). https://doi.org/10.1186/s12884-021-03809-2

Wójtowicz, A., Zembala-Szczerba, M., Babczyk, D., Kołodziejczyk-Pietruszka, M., Lewaczyńska, O. & Huras, H., 2019. Early-and Late-Awitan Preeclampsia: A Comprehensive Cohort Study of Laboratory and Clinical Findings according to the New ISHHP Criteria. *International Journal of Hypertension*, 2019. https://doi.org/10.1155/2019/4108271

Xiong, A. & Liu, Y., 2017. Targeting hypoxia inducible factors-1α as a novel therapy in fibrosis. *Frontiers in Pharmacology*, 8(MAY). Frontiers Media S.A. https://doi.org/10.3389/fphar.2017.00326

Zhang, Y., Fei, M., Xue, G., Zhou, Q., Jia, Y., Li, L., Xin, H. & Sun, S., 2012. Elevated levels of hypoxia-inducible microRNA-210 in pre-eclampsia: New insights into molecular mechanisms for the disease. *Journal of Cellular and Molecular Medicine*, 16(2), pp.249-259. https://doi.org/10.1111/j.1582-4934.2011.01291.x