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- AAO (2016) *American Academy of Ophthalmology Basic and Clinical Course 2016-2017, Section 10 Glaucoma*. San Fransisco: American Academy of Ophthalmology.
- Agarwal, R., Gupta, S. K., Agarwal, P., Saxena, R. & Agrawal, S. S. (2009) 'Current concepts in the pathophysiology of glaucoma', *Indian J Ophthalmol*, 57, pp. 257–266.
- Alonso, D. & Radomski, M. W. (2003) 'The Nitric Oxide-Endothelin-1 Connection', *Heart Failure Reviews*, 8, pp. 107–115.
- Anderson, D. R. (2011) 'Normal-tension glaucoma (Low-tension Glaucoma)', *Indian J Ophthalmol*, 59, pp. S97-101.
- Ayada, C., Toru & Korkut, Y. (2015) 'The relationship of stress and blood pressure effectors', *Hippokratia*, 19(2), pp. 99–108.
- Barthelmes, J., Nägele, M. P., Ludovici, V., Ruschitzka, F., Sudano, I., *et al.* (2017) 'Endothelial dysfunction in cardiovascular disease and Flammer syndrome-similarities and differences', *EPMA Journal*. EPMA Journal, 8(2), pp. 99–109.
- Bourque, S. L., Davidge, S. T. & Adams, M. A. (2011) 'The interaction between endothelin-1 and nitric oxide in the vasculature : new perspectives', *Am J Physiol Regul Integr Comp Physiol*, 300, pp. 1288–1295.
- Casson, R. J., Franzco, D., Chidlow, G., Wood, J. P. M., Crowston, J. G., *et al.* (2012) 'Definition of glaucoma : clinical and experimental concepts', *Clin Exp Ophthalmol*, 40(January), pp. 341–349.
- Chen, H., Chang, Y. & Chen, W. (2013) 'Association Between Plasma Endothelin-1 and Severity of Different Types of Glaucoma', *J Glaucoma*, 22(2), pp. 117–122.
- Cook, C., Sa, F. C. S. O. & Foster, P. (2012) 'Epidemiology of glaucoma : what ' s new ?', *Can J Ophthalmol*. Elsevier, 47(3), pp. 223–226.
- Costa, V. P., Harris, A., Anderson, D., Stodtmeister, R., Cremasco, F., *et al.* (2014) 'Ocular perfusion pressure in glaucoma', *Acta Ophthalmologica*, 92(4), pp. 252–266.
- Downs, J. C. (2015) 'Optic nerve head biomechanics in aging and disease', *Exp Eye Res*, 133, pp. 19–29.
- Ehrlich, R., Harris, A. & Moss, A. (2010) 'Anatomy and Regulation of the Optic Nerve Blood Flow ☆', in *Encyclopedia of The Eye*. Elsevier, pp. 73–82.
- Esporcatte, B. L. B. & Tavares, I. M. (2016) 'Normal-tension glaucoma : an update', *Arq Bras Oftalmol*, 79(4), pp. 270–276.
- Flammer, J., Org, S., Costa, V. P., Orzalesi, N., Metzner, L., *et al.* (2002) 'The impact of ocular blood flow in glaucoma', *Prog Retin Eye Res*, 21, pp. 359–393.
- Flammer, J., Konieczka, K. & Flammer, A. J. (2013) 'The primary vascular dysregulation syndrome : implications for eye diseases', *The EPMA Journal*, 4(14), pp. 1–33.



- Foroumandi, E., Alizadeh, M., Kheirouri, S. & Jafarabadi, M. A. (2019) 'Exploring the role of body mass index in relationship of serum nitric oxide and advanced glycation end products in apparently healthy subjects', *PLoS ONE*, 14(3), pp. 1–11.
- Galassi, E., Sodi, A., Ucci, E., Renieri, G., Pieri, B., *et al.* (2000) 'Ocular haemodynamics and nitric oxide in normal pressure glaucoma The influence of oestrogen on the pulsatile ocular blood flow', *Acta Ophthalmol Scand*, pp. 37–38.
- Galassi, F., Renieri, G., Sodi, A., Ucci, F., Vannozzi, L., *et al.* (2004) 'Nitric oxide proxies and ocular perfusion pressure in primary open angle glaucoma', *Br J Ophthalmol*, 88, pp. 757–760.
- Galassi, F., Giambene, B. & Varriale, R. (2011) 'Systemic Vascular Dysregulation and Retrobulbar Hemodynamics in Normal-Tension Glaucoma', *Invest Ophthalmol Vis Sci*, 52(7), pp. 4467–4471.
- Griehaber, M. C., Mozaffarieh, M. & Flammer, J. (2007) 'What Is the Link Between Vascular Dysregulation and Glaucoma?', *Surv Ophthalmol*, 52(November), pp. 144–154.
- Haefliger, I. O., Dettmann, E., D, P., Liu, R. & Meyer, P. (1999) 'Potential Role of Nitric Oxide and Endothelin in the Pathogenesis of Glaucoma', *Surv Ophthalmol*, 43(June), pp. S51–S58.
- He, Z., Vingrys, A. J., Armitage, J. A. & Bui, B. V (2011) 'The role of blood pressure in glaucoma', *Clin Exp Optom*, 94(2), pp. 133–149.
- Henry, E., Newby, D. E., Webb, D. J., Hadoke, P. W. F. & Brien, C. J. O. (2006) 'Altered Endothelin-1 Vasoreactivity in Patients with Untreated Normal-Pressure Glaucoma AND', *Invest Ophthalmol Vis Sci*, 47(6), pp. 2528–2532.
- Herrera, D., Mingorance, C. & Sotomayor, M. A. De (2010) 'Endothelial dysfunction and aging : An update', *Ageing Research Reviews*, 9, pp. 142–152.
- Hord, N. G., Tang, Y. & Bryan, N. S. (2009) 'Food sources of nitrates and nitrites: The physiologic context for potential health benefits', *American Journal of Clinical Nutrition*, 90(1), pp. 1–10.
- Isral, G. N. & Sulastri, D. (2014) 'Artikel Penelitian Hubungan Aktivitas Fisik dengan Kadar Nitric Oxide (NO) Plasma pada Masyarakat di Kota Padang', *Jurnal Kesehatan Andalas*, 3(2), pp. 173–177.
- Johnson, L. C., Devan, A. E., Justice, J. N. & Seals, D. R. (2017) 'Nitrate and Nitrite in Aging and Age-Related Disease', in Bryan, N. and Loscalzo, J. (eds) *Nitrite and Nitrate in Human Health and Disease*. Springer International Publishing AG, pp. 259–277.
- Kanabrocki, E. L., Messmore, H. L., Shirazi, P., George, M., Hoppensteadt, D. A., *et al.* (2001) 'Day-night variations in blood levels of nitric oxide, T-TFPI, and E-selectin', *Clinical and Applied Thrombosis/Hemostasis*, 7(4), pp. 339–345.
- Kawakatsu, M., Ishihara, T., Kani, K. & Nakagawa, A. (2002) 'Plasma nitrate/nitrite concentration in healthy population and patients with diabetes mellitus-relationships with gender, aging and diabetic complications', *Bull*



- Osaka Med Coll*, 48, pp. 1–6.
- Kiel, J. (2010) *The Ocular Circulation*. San Rafael (CA): Morgan & Clayfool Life Sciences.
- Killer, H. E. & Pircher, A. (2018) ‘Normal tension glaucoma : review of current understanding and mechanisms of the pathogenesis’, *Eye*. Springer US, 32, pp. 924–930.
- Kim, K. E. & Park, K. (2016) ‘Update on the Prevalence , Etiology , Diagnosis , and Monitoring of Normal-Tension Glaucoma’, *Asia Pac J Ophthalmol*, 5, pp. 23–31.
- Kim, S. H., Lee, E. J., Han, J. C., Sohn, S. W., Rhee, T., *et al.* (2016) ‘The Effect of Diurnal Fluctuation in Intraocular Pressure on the Evaluation of Risk Factors of Progression in Normal Tension Glaucoma’, 260, pp. 1–14.
- Kotliar, K. E., Mu, B., Vilser, W., Schilling, R. & Lanzl, I. M. (2008) ‘Effect of Aging on Retinal Artery Blood Column Diameter Measured along the Vessel Axis’, *Invest Ophthalmol Vis Sci*, 49(5), pp. 2094–2102.
- Li, S., Zhang, A., Cao, W. & Sun, X. (2016) ‘Elevated Plasma Endothelin-1 Levels in Normal Tension Glaucoma and Primary Open-Angle Glaucoma : A Meta-Analysis’, *Journal of Ophthalmology*, pp. 1–7.
- MacIver, S., MacDonald, D. & Prokopich, C. L. (2017) ‘Screening , Diagnosis , and Management of Open Angle Glaucoma : An Evidence-Based Guideline for Canadian Optometrists’, *CJO*, 79(1), pp. 1–72.
- Mallick, Jyotiranjana, Devi, L., Malik, P. K. & Mallick, Jogamaya (2016) ‘Review Article Update on Normal Tension Glaucoma’, *J Ophthalmic Vis Res*, 11(2), pp. 204–208.
- Mastropasqua, R., Fasanella, V., Agnifili, L., Fresina, M., Staso, S. Di, *et al.* (2015) ‘Advance in the pathogenesis and treatment of normal-tension glaucoma’, in *Prog Brain Res*. 1st edn. Elsevier B.V., pp. 213–232.
- Matlach, J., Bender, S., Binder, H., Pfeiffer, N. & Hoffmann, E. M. (2019) ‘Investigation of intraocular pressure fluctuation as a risk factor of glaucoma progression’, pp. 9–16.
- Moore, D., Harris, A., Wudunn, D., Kheradiya, N. & Siesky, B. (2008) ‘Dysfunctional regulation of ocular blood flow : A risk factor for glaucoma ?’, 2(4), pp. 849–861.
- Nicolela, M. T. (2008) ‘Clinical clues of vascular dysregulation and its association with glaucoma’, *Can J Ophthalmol*. Canadian Ophthalmological Society, 43(3), pp. 337–341.
- Pasquale, L. R., Buys, E. S., Kaufman, P. L., Stamer, W. D. & Weinreb, R. N. (2017) *CME Monograph The Role of Nitric Oxide in Glaucoma*. New York: MedEdicus.
- Polak, K., Luksch, A., Berisha, F., Fuchsjaeger-Maryl, G., Dallinger, S., *et al.* (2007) ‘Altered Nitric Oxide System in Patients With Open-Angle Glaucoma’, *Arch Ophthalmol*, 125, pp. 494–498.
- Primitasari, Y. & Komaratih, E. (2019) ‘The Role of Ocular Blood Flow in The Pathogenesis of Glaucoma’, *Jurnal Kedokteran SyiahKuala*, 19(1), pp. 51–54.
- Quigley, H. A. & Broman, A. (2006) ‘The Number of People with Glaucoma



- Worldwide in 2010 and 2020', *Br J Ophthalmol*, 90, pp. 262–267.
- Salazar, J. J., Ramírez, A. I., De Hoz, R., Salobrar-Garcia, E., Rojas, P., *et al.* (2018) 'Anatomy of the Human Optic Nerve : Structure and Function', in Ferreri, F. M. (ed.) *Optic Nerve*. Madrid: Intechopen, pp. 1–46.
- Shen, S. Y., Wong, T. Y., Foster, P. J., Loo, J., Rosman, M., *et al.* (2008) 'The Prevalence and Types of Glaucoma in Malay People : The Singapore Malay Eye Study', *Invest Ophthalmol Vis Sci*, 49(9), pp. 3846–3851.
- Shiga, Y., Aizawa, N., Tsuda, S., Yokoyama, Y., Omodaka, K., *et al.* (2018) 'Preperimetric Glaucoma Prospective Study (PPGPS): Predicting Visual Field Progression With Basal Optic Nerve Head Blood Flow in Normotensive PPG Eyes', 7(1).
- Song, B. J. & Caprioli, J. (2014) 'New directions in the treatment of normal tension glaucoma Pathophysiology of normal tension glaucoma', *Indian Journal of Ophthalmology*, 62(5), pp. 529–537.
- Sweazea, K. L., Johnston, C. S., Miller, B. & Gumprich, E. (2018) 'Nitrate-rich fruit and vegetable supplement reduces blood pressure in normotensive healthy young males without significantly altering flow-mediated vasodilation: A randomized, double-blinded, controlled trial', *Journal of Nutrition and Metabolism*, 2018.
- Tham, Y., Li, X., Wong, T. Y., Quigley, H. A., Aung, T., *et al.* (2014) 'Global Prevalence of Glaucoma and Projections of Glaucoma Burden through 2040 A Systematic Review and Meta-Analysis', *Ophthalmology*. Elsevier Inc, 121(11), pp. 2081–2090.
- Trivli, A., Koliarakis, I., Terzidou, C., Goulielmos, G. N., Siganos, C. S., *et al.* (2019) 'Normal - tension glaucoma : Pathogenesis and genetics (Review)', *Exp Ther Med*, 17, pp. 563–574.
- Tsai, J. C., Gray, M. J. & Cavallerano, T. (2017) *NITRIC OXIDE IN GLAUCOMA : What Clinicians Need to Know*. Edited by J. C. Tsai, M. J. Gray, and T. Cavallerano. New York: Candeo Clinical/Science Communications.
- Tsukiyama, Y., Ito, T., Nagaoka, K., Eguchi, E. & Ogino, K. (2017) 'Effects of exercise training on nitric oxide, blood pressure and antioxidant enzymes', *Journal of Clinical Biochemistry and Nutrition*, 60(3), pp. 180–186.
- Turgut, B. & Turgut, F. A. (2017) 'Differences between the Characteristics of Normal Tension Glaucoma and High Tension Glaucoma', *Adv Ophthalmol Vis Syst*, 7(7).
- Weinreb, R. N., Aung, T. & Medeiros, F. A. (2014) 'The Pathophysiology and Treatment of Glaucoma A Review', *JAMA Ophthalmology*, 311(18), pp. 1901–1911.
- Weinreb, R. N., Liebmann, J. M. & Pasquale, L. R. (2017) 'Peer Review The Role of Perfusion Pressure', *Glaucoma Today*, pp. 14–16.
- Woo, S., Park, K. & Kim, D. (2003) 'Comparison of localised nerve fibre layer defects in normal tension glaucoma and primary open angle glaucoma', *Br J Ophthalmol*, 87(3), pp. 695–698.
- Yumori, J. & Cadogan, M. P. (2011) 'Primary Open-Angle Glaucoma Clinical Update', *J Gerontol Nurs*, 37(3), pp. 10–15.
- Zhang, W. Z., Venardos, K., Chin-Dusting, J. & Kaye, D. M. (2006) 'Adverse



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effects of cigarette smoke on no bioavailability: Role of arginine metabolism and oxidative stress', *Hypertension*, 48(2), pp. 278–285.