

DAFTAR PUSTAKA

1. Truelsen T, Bonita R. The worldwide burden of stroke: current status and future projections. In: Fisher M, editor. Handbook of Clinical Neurology Vol 92 (Third Series). Amsterdam: Elsevier, 2009; p.327
2. Sacco RL, Kasner SE, Broderick JP, Caplan LR, Culebras A, et al. An Updated Definition of Stroke for the 21st Century. (Stroke. 2013;44:2064-2089)
3. Kuriakose D, Xiao Z. Pathophysiology and Treatment of Stroke: Present Status and Future Perspectives. Int. J. Mol. Sci. 2020, 21, 7609
4. Coupland A, Thapar A, Qureshi Mahim, Jenkins H, Davies, A.. The Definition Of Stroke. Journal of the Royal Society of Medicine; 2017, Vol. 110(1) 9–12
5. Kementerian Kesehatan RI. Riset Kesehatan Dasar (RISKESDAS). Jakarta: Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan RI; 2018.
6. Kementerian Kesehatan RI. Riset Kesehatan Dasar (RISKESDAS). Jakarta: Badan Penelitian dan Pengembangan Kesehatan Departemen Kesehatan RI; 2013. 91-2.
7. Virani S, Alonso A, Aparicio HJ, Benjamin EJ, Bittencourt M, et al. Heart Disease and Stroke Statistics—2021 Update. A Report From the American Heart Association. Circulation Volume 143, Issue 8, 23 February 2021; Pages e254-e743
8. Rowe, Fiona et al. Visual impairment following stroke: do stroke patients require vision assessment? Oxford University Press on behalf of the British Geriatrics Society. 2009. P1-6
9. Rowe FJ, VIS Group. Accuracy of referrals for visual assessment in a stroke population. Eye (2011) 25, 161–167
10. Hepworth, Laurent R et al. Post stroke Visual Impairment. A Systematic Literature Review of Types and Recovery of Visual Conditions. Ophthalmology Research. An International Journal. 2016. P1-43
11. Sand KM, Midelfart A, Thomassen L, Melms A, Wilhelm H, Hoff JM. Visual impairment in stroke patients – a review. Acta Neurol Scand 2013. 52–56.
12. Lee J-I, Boerker L, Gernerzki L, Harmel J, Guthoff R, Aktas O, Gliem M, Jander S, Hartung H-P and Albrecht P (2020) Retinal Changes After Posterior

- Cerebral Artery Infarctions Display Different Patterns of the Nasal and Temporal Sector in a Case Series. *Front. Neurol.* 11:508.
13. Dinkin M. Trans-synaptic Retrograde Degeneration in the Human Visual System: Slow, Silent, and Real. *Curr Neurol Neurosci Rep* (2017) 17:16
 14. Park HL, Park YG, Cho A, Park CK. Transneuronal Retrograde Degeneration of the Retinal Ganglion Cells in Patients with Cerebral Infarction. *American Academy of Ophthalmology. Ophthalmology.* 2013 Jun;120(6):1292-9
 15. Kumar V. Understanding Retinal Changes after Stroke. *Open J Ophthalmol.* 2017 November ; 7(4): 281–292.
 16. Carl Zeiss Meditec I. *Cirrus HD-OCT : How to read the Cirrus reports.* Review Literature And Arts Of The Americas. California: Carl Zeiss Meditec; 2011. p. 1–13.
 17. Gunes A, Inal EE, Demirci S, Tok L, Tok O, Demirci S. Changes in retinal nerve fiber layer thickness in patients with cerebral infarction: evidence of transneuronal retrograde degeneration. *Acta Neurol Belg* 2016 Dec;116(4):461-466
 18. Mitchell JR, Oliveira C, Tsiouris AJ, Dinkin MJ. Corresponding Ganglion Cell Atrophy in Patients With Postgeniculate Homonymous Visual Field Loss. *Journal of Neuro-Ophthalmology* 2015;35:353–359.
 19. Yamashita T, Miki A, Goto K, Takizawa G, Kimura K, Ieki Y, et al. Retinal Ganglion Cell Atrophy in Homonymous Hemianopia due to Acquired Occipital Lesions Observed Using Cirrus High-Definition-OCT. *Hindawi Publishing Corporation. Journal of Ophthalmology.* Volume 2016, Article ID 2394957, 9 pages
 20. Herro AM, Lam BL. Retrograde degeneration of retinal ganglion cells in homonymous hemianopsia. *Clinical Ophthalmology* 2015;9 1057–1064
 21. Mellington RS et al. Quantifying the pattern of optic tract degeneration in human hemianopia. *Cognitive neurology. J Neurol Neurosurgery Psychiatry.* 2014. 379-386
 22. Bernhardt J, Hayward K, Kwakkel G, Ward NS. Agreed definitions and a shared vision for new standards in stroke recovery research: The Stroke

- Recovery and Rehabilitation Roundtable taskforce. *International Journal of Stroke* 2017, Vol. 12(5) 444–450
23. Jindahra P, Petrie A, Plant GT. The time course of retrograde trans-synaptic degeneration following occipital lobe damage in humans. *Brain* 2012: 135; 534–541
 24. Yew K, Cheng E. Acute Stroke Diagnosis. *Am Fam Physician*. 2009 July 1; 80(1): 33–40.
 25. Ropper AH, Samuel MA, Klein JP, Prasad S. In : Adam and Victor's Principle of Neurology. 11th edition. McGraw Hill. 2009. pp : 798-845
 26. Miller N, Subramanian P, Patel V. Anatomy and Physiology of the Retina and Optic Nerve. Walsh and Hoyt's Clinical Neuro-Ophthalmology. 3rd ed. Wolters Kluwer. 2016. Pp 63-82
 27. Lujan H.L., Augustyniak R.A., DiCarlo S.E. (2018) Physiology of the Cerebrovascular System. In: Hans S. (eds) Extracranial Carotid and Vertebral Artery Disease. Springer, Cham.
 28. Pula J, Yuen CA. Eyes and Stroke: The Visual Aspects Of Cerebrovascular Disease. *A. Stroke and Vascular Neurology* 2017;2:e000079
 29. Chandra A, Li WA, Stone CR, Geng X, Ding Y. The cerebral circulation and cerebrovascular disease I: Anatomy. *Brain Circ.* 2017;3(2):45-56. doi:10.4103/bc.bc_10_17
 30. Brandt T, Steinke W, Thie A, et al. Posterior cerebral artery territory infarcts: clinical features, infarct topography, causes and outcome. *Cerebrovasc Dis.* 2000;10:170–82.
 31. Nogles TE, Galuska MA. Middle Cerebral Artery Stroke. In: StatPearls. Treasure Island (FL): StatPearls Publishing; August 13, 2021.
 32. Teasell R, Hussein N. Clinical Consequences of Stroke. Evidence-Based Review of Stroke Rehabilitation. 2013
 33. Kang SY, Kim JS. Anterior Cerebral Artery Infarction Stroke mechanism and clinical-imaging study in 100 patients. *Neurology* Jun 2008, 70 (24 Part 2) 2386-2393;

34. Cantor LB, Rapuano CJ, McCannel CA. Cranial Nerves. In: *Fundamentals and Principles of Ophthalmology*. San Fransisco: American Academy of Ophthalmology. 2019-2020. p 109–19.
35. Agarwal A. Visual Pathway. In: *Manual of Neuro-Ophthalmology*. New Delhi: Amar Agarwal. 2015. p 72-99.
36. Gault JA. Visual Field. In: *Ophthalmology Secrets in Color*. Philadelphia: Elsevier. 2016. p 52-69.
37. Hoyt WF, Hart W. Functional Anatomy of the Human Visual Pathway. In: *Clinical Neuro-Ophthalmology, A Practical Guide*. Germany: Springer. 2007. p 19-28.
38. Cantor LB, Rapuano CJ, McCannel CA. Afferent Visual Pathway. In: *Neuro-Ophthalmology*. San Francisco: American Academy of Ophthalmology. 2019-2020. p 23-29.
39. Miller NR, Subramanian PS, Patel VR. Anatomy and Physiology of Retina and Optic Nerve. In: *Walsh and Hoyt's Clinical Neuro-Ophthalmology the Essentials*. Philadelphia: Lippincott Williams and Wilkins. 2016. p 63-99.
40. You Y, Gupta VK, Li J, Klistoner A, Graham S. Optic neuropathies: characteristic features and mechanisms of retinal ganglion cell loss. *Rev Neurosci*. 2013;24(3):301-21.
41. Rapuano CJ, Stout JT, McCannel CA. Basic Anatomy : Neurosensory Retina. In: *Retina and Vitreous*. San Fransisco : Amerian Academy of Ophthalmology. 2020-2021. P 9-15
42. Trobe JD. The Optical, Retinocortical, and Integrative Components. In: *The Neurology Of Vision*. New York: Oxford University Press. 2001. p 1- 44.
43. Wang N, Liu X. Optic Nerve, Lateral Geniculate Body. In: *Optic Disorders and Visual Field*. Singapore: Springer. 2019. p 11-14 & 27-29
44. Barton JJS, Benatar M. Functional Visual Anatomy. A Manual and Atlas of Perimetry. Humana Press Springer: 2003. p 1-19.
45. Morgan JE. Circulation and axonal transport in the optic nerve. *Eye* (2004) 18, 1089–1095
46. Crick, Khaw. Neurology. In: *A Textbook of Clinical Ophthalmology, 3rd Edition*. New Jersey: World Scientific. 2003. p 371-375.

47. Friedman NJ, Kaiser PK, Trattler WB. Neuro-ophthalmology. In: Review of Ophthalmology. Edisi ke-3. Philadelphia: Elsevier. 2018. p 49-52.
48. Bowling B. Neuro-Ophthalmology. In: Kanski's clinical ophthalmology. Edisi ke-8. Sydney: Elsevier. 2016. p 779-795.
49. Yamashita T, Miki A, Iguchi Y, Kimura K, Maeda F, Kiryu J. Reduced retinal ganglion cell complex thickness in patients with posterior cerebral artery infarction detected using spectral-domain optical coherence tomography. *Jpn J Ophthalmol* (2012) 56:502–510
50. Wang D, Li Y, Wang C, Xu L, You QS, et al. Localized Retinal Nerve Fiber Layer Defects and Stroke. *Stroke*. 2014;45:1651-1656.
51. Ong YT, De Silva DA, Cheung, CY, Chang HM, Chen CP, et al. Microvascular Structure and Network in the Retina of Patients With Ischemic Stroke. *Stroke*. 2013;44:2121-2127.
52. Duker J. Handbook of Retinal OCT. London: Elsevier; 2014. 2–27 p.
53. Nordmann J-P. OCT & Optic Nerve. Paris: Carl Zeiss Meditec; 2017. 42–130 p.
54. Chen JJ, Kardon RH. Avoiding clinical misinterpretation and artifacts of optical coherence tomography analysis of the optic nerve, retinal nerve fiber layer and ganglion cell layer. *J Neuro-Ophthalmol*. 2016;36:417-38.
55. Costello F. Optical Coherence Tomography in Neuro-ophthalmology. *Neurology Clinics*. Volume 35, Issue 1, P153-163, February 01, 2017
56. Chen JJ, Costello F. The role of optical coherence tomography in neuro-ophthalmology. *Ann Eye Sci* 2018;3:35
57. Kim KE, Jeoung JW, Park KH, Kim DM, Kim SH. Diagnostic classification of macular ganglion cell and retinal nerve fiber layer analysis: differentiation of false-positives from glaucoma. *Ophthalmology*. 2015 Mar;122(3):502-10.
58. Mwanza J-C, Durbin M, Budenz D, Girkin C, Leung C, Liebmann J, et al. Profile and Predictors of Normal Ganglion Cell–Inner Plexiform Layer Thickness Measured with Frequency-Domain Optical Coherence Tomography. *Invest Ophthalmol Vis Sci*. 2011;52:7872-9.

59. Yamashita T, Kii Y, Tanaka M, et al. Relationship between supernormal sectors of retinal nerve fibre layer and axial length in normal eyes [report online]. *Acta Ophthalmol* 2014;92: e481–7.
60. Tabakci B, Demirok G, Topalak Y, Sengun A. The Relationship between Retinal Ganglion Cell Damage with Duration of Diabetes and Diabetes Retinopathy Status. *Int J Ophthalmol Clin Res.* 2017;4(3):1-7
61. Pekel E, Tufaner G, Kaya H, Kasikci A, Deda G, Pekel G. Assessment of Optic Disc and Ganglion Cell Layer in Diabetes Mellitus Type 2. *Medicine.* 2107;96(29):1-4
62. Fetriyanita S. Hubungan Lama Menderita Diabetes Melitus Tipe 2 Dengan Ketebalan Lapisan Sel Ganglion Retina Dan Retinal Nerve Fiber Layer Pada Pasien Tanpa Retinopati Diabetika. Tesis.2018
63. Kingsbury C, Heyck M, Bonsack B, Lee JY, Borlongan C. Stroke gets in your eyes: stroke-induced retinal ischemia and the potential of stem cell therapy. (2020) Stroke gets in your eyes: stroke-induced retinal ischemia and the potential of stem cell therapy. *Neural Regen Res* 15(6):1014-1018
64. Lee JY , Castelli V, Bonsack B, Sanchez JG , Kingsbury C, Nguyen H, Borlongan CV. Eyeballing stroke: Blood flow alterations in the eye and visual impairments following transient middle cerebral artery occlusion in adult rats. *Cell Transplantation* Volume 29: 1–9 . The Author(s) 2020
65. Munemasa Y, Kitaoka Y. Molecular mechanisms of retinal ganglion cell degeneration in glaucoma and future prospects for cell body and axonal protection. *Front. Cell. Neurosci., Sec. Cellular Neuropathology* January 2013. Volume 6. Article 60
66. Ng YS, Stein J, Ning MM, Black-Schaffer R, Comparison of Clinical Characteristics and Functional Outcomes of Ischemic Stroke in Different Vascular Territories. *Stroke.* 2007;38:2309-2314
67. Appelros P, Stegmayr B, Terént. Sex Differences in Stroke Epidemiology A Systematic Review. *Stroke.* 2009;40:1082-1090
68. Yi X , Luo H , Zhou J , Yu M , et al. Prevalence of stroke and stroke related risk factors: a population based cross sectional survey in southwestern China. *BMC Neurology* (2020) 20:5

69. Saini V, Guada L, Yavagal DR. Global Epidemiology of Stroke and Access to Acute Ischemic Stroke Interventions. *Neurology* 2021;97:S6-S16.
70. Reeves MJ, Bushnell CD, Howard G, Gargano JW, Duncan PW, et al. Sex differences in stroke: epidemiology, clinical presentation, medical care, and outcomes. *Lancet Neurol.* 2008 October ; 7(10): 915–926.
71. Soler EP, Ruiz VC. Epidemiology and Risk Factors of Cerebral Ischemia and Ischemic Heart Diseases: Similarities and Differences. *Current Cardiology Reviews*, 2010, Vol. 6, No. 3
72. Goto K, Miki A, Yamashita T, Araki S, et al. Sectoral analysis of the retinal nerve fiber layer thinning and its association with visual field loss in homonymous hemianopia caused by post-geniculate lesions using spectral-domain optical coherence tomography. *Graefes Arch Clin Exp Ophthalmol* (2016) 254:745–756
73. Anjos R, Vieira L, Costa L, et al. Macular Ganglion Cell Layer and Peripapillary Retinal Nerve Fibre Layer Thickness in Patients with Unilateral Posterior Cerebral Artery Ischaemic Lesion: An Optical Coherence Tomography Study. *Neuro-Ophthalmology*. 2016, Vol. 40, No. 1, 8–15
74. Shin HY, Park HY, Choi JA, Park CK. Macular ganglion cell-inner plexiform layer thinning in patients with visual field defect that respects the vertical meridian. *Graefes Arch Clin Exp Ophthalmol*. 2014;252(9):1501–7.
75. Wijesundera C, Vingrys AJ, Wijeratne T, Crewther SG. Acquired Visual Deficits Independent of Lesion Site in Acute Stroke. *Front Neurol*. 2020 Jul 17;11:705.
76. Pula JH, Yuen CA. Eyes and stroke: the visual aspects of cerebrovascular disease. *Stroke and Vascular Neurology* 2017;0:e000079. doi:10.1136/svn-2017-000079
77. dos Santos NA, Andrade SM. Visual contrast sensitivity in patients with impairment of functional independence after stroke. *BMC Neurology* 2012, 12:90

78. Kim JH, Lee HS, Kim NR, et al. Relationship Between Visual Acuity and Retinal Structures Measured by Spectral Domain Optical Coherence Tomography in Patients With Open-Angle Glaucoma. *Invest Ophthalmol Vis Sci.* 2014;55:4801–4810.
79. Mutlu U, Ikram MK, Roshchupkin GV, Bonnemaier PWM, Colijn JM, Vingerling JR, Niessen WJ, Ikram MA, Klaver CCW, Vernooij MW. Thinner retinal layers are associated with changes in the visual pathway: A population-based study. *Hum Brain Mapp.* 2018 Nov;39(11):4290-4301.
80. Jonathan C. Horton, John R. Economides, Daniel L. Adams. The Mechanism of Macular Sparing. *Annu Rev Vis Sci.* 2021 September 15; 7: 155–179.
81. Kerrigan-Baumrind LA, Quigley HA, Pease ME, Kerrigan DF, Mitchell RS. Number of ganglion cells in glaucoma eyes compared with threshold visual field tests in the same persons. *Invest Ophthalmol Vis Sci.* 2000 Mar;41(3):741-8. PMID: 10711689.
82. Cho KH, Ahn SJ, Jung C. Ischemic Injury of the Papillomacular Bundle Is a Predictive Marker of Poor Vision in Eyes With Branch Retinal Artery Occlusion. *Am J Ophthalmol* 2016;162:107–120
83. Rubin GS. Visual Acuity and Contrast Sensitivity. In: *Ryan's Retina*. 6th ed. China: Elsevier; 2018. Pp 340-346

