

Hemianopia Course References

- Apfelbaum, H.L., Ross, N.C. Bowers, A.R., Peli, E. (2013). Considering apical scotomas, confusion, and diplopia when prescribing prisms for homonymous hemianopia. *Translational Vision Science & Technology*, 2(4), doi: 10.1167/tvst.2.4.2. Epub 2013 May 29. PMID: 24049719; PMCID: PMC3763894.
- Aimola, L., Lane, A.R., Smith, D.T., Kerkhoff, G., Ford, G.A., Shenk, T. (2014). Efficacy and feasibility of home-based training for individuals with homonymous visual field defects. *Neurorehabilitation & Neural Repair*, 28(3), 207-218.
- American Occupational Therapy Association (2020). Occupational Therapy Practice Framework: Domain and Process (4thed). *American Journal of Occupational Therapy*, 74(Supplement_2):7412410010p1-7412410010p87. doi:10.5014/ajot.2020.74S2001
- Agarwal, A. & Kedar, S. (2015). Prognosis and treatment of visual field defects. *Seminars in Neurology*, 35(5), 549-556, doi: 10.1055/s-0035-1563573
- Azouvi, P., Olivier, S., de Montety, G., Samuel, C, Louis-Dreyfus, A., Tesio, L. (2003). Behavioral assessment of unilateral neglect: Study of the psychometric properties of the Catherine Bergego scale. *Archives of Physical Medicine & Rehabilitation*, 84, 51-57.
- Benjamins, J.S., Dalmaijer, E.S., Ten Brink, A.F., Nijboer, T.C.W., Van der Stigchel, S. (2019). Multi-target visual search organisation across the lifespan: cancellation task performance in a large and demographically stratified sample of healthy adults. *Aging, Neuropsychology & Cognition*, 26(5):731-748. doi:10.1080/13825585.2018.1521508
- Berthold-Lindstedt, M., Ygge, J., & Borg, K. (2017). Visual dysfunction is underestimated in patients with acquired brain injury. *Journal Rehabilitation Medicine*, 49, 327-332. DOI: 10.2340/16501977-2218 (open access)
- Berthold-Lindstedt, M., Johansson, J., Ygge, J., Borg, K., (2019). Vision-related symptoms after acquired brain injury and the association with mental fatigue, anxiety and depression. *Journal of Rehabilitation Medicine*, 51, 499-505, doi: 10.2340/16501977-2570.
- Blackwell C., Cary K., Holst K., et al. (2020). Dynavision normative data for healthy adults: Reaction test program. *American Journal of Occupational Therapy*, 74(1):7401185060p1-7401185060p6. doi:10.5014/ajot.2020.036251
- Blaylock S.E., Warren M., Yuen H.K., DeCarlo D.K. (2016). Validation of a reading assessment for persons with homonymous hemianopia or quadrantanopia. *Archives of Physical Medicine & Rehabilitation*, 97(9):1515-1519. doi:10.1016/j.apmr.2016.02.022
- Blaylock, S.E., Barstow, B.A., Vogtle, L.K. Bennett, D.K. (2015). Understanding the occupational performance experiences of individuals with low vision, *British Journal of Occupational Therapy*, 78(7), 412-417. DOI: 10.1177/0308022615577641

- Bowers, A., Keeney, K., Peli, E. (2014). Randomized crossover clinical trial of real and sham peripheral prism glasses for hemianopia, *JAMA Ophthalmology*, 132(2), 214-222. doi:10.1001/jamaophthalmol.2013.5636.
- Bowers, A.R., Ananyev, E., Mandel, A. J., Goldstein, R.B., Peli, E. (2014). Driving with hemianopia: IV. Head scanning and detection at intersections in a simulator, *Investigative Ophthalmology & Vision Science*, 55, 1540-1548. DOI:10.1167/iovs.13-12748
- Bowers, A. (2016). Driving with homonymous visual field loss: A review of the literature, *Clinical & Experimental Optometry*, 99(5), 402-418 doi:10.1111/cxo.12425
- Brooks, J., Seeanner, J., Hennessy, S., Manganelli, J., Crisler, M., Rosopa, P. ...Tanner, S. (2017). Brief Report-Interactive tools for measuring visual scanning performance and reaction time, *American Journal of Occupational Therapy*, 71, 7102350010p1-6. <https://doi.org/10.5014/ajot2017020461>
- Bruce, B.B., Zhang, X., Kedar, S., Newman, N.J., Biousse, V. (2006). Traumatic homonymous hemianopia, *Journal of Neurology, Neurosurgery & Psychiatry*, 77, 986-988.
- Butler, B.C., Lawrence, M., Eskes, G.A., & Klein, R. (2009). Visual search patterns in neglect: Comparison of peripersonal and extrapersonal space. *Neuropsychologia*, 47, 869-878.
- Celebisoy, M., Celebisoy, N., Bayam, E., Kose, T. (2011). Recovery of visual-field defects after occipital lobe infarction: A perimetric study, *Journal of Neurology, Neurosurgery & Psychiatry*, 82, 695-702, doi:10.1136/jnnp.2010.214387
- Chau, E., Nishi, A., Kristalovich, L., Holowaychuk, A. Mortenson, W.B. (2021). Establishing the predictive validity of the ScanCourse for assessing on-road driving performance. *American Journal of Occupational Therapy*, 75, 7501205120. <https://doi.org/10.5014/ajot.2021.041608>
- Chokron, S., Perez, C., Peyrin, C. (2016). Behavioral consequences and cortical reorganization in homonymous hemianopia. *Frontiers in Systems Neuroscience*, 10(57), doi:10.3389/fnsys.2016.00057
- Chokron, S., Peyrin, C. Perea, C. (2018). Ipsilesional deficit of selective attention in left homonymous hemianopia and left unilateral spatial neglect. *Neuropsychologia*, 128, 305-314. Doi:10.1016/j.neuropsychologia.2018.03.013.
- Chokron, S., Dubourg, L., Garric, C., Martinelli, F., Perez C. (2020). Dissociations between perception and awareness in hemianopia, *Restorative Neurology & Neuroscience*, 38(3):189-201. doi:10.3233/RNN-190951
- Clatworthy, P.L., Warburton, E.A., Tohurst, D.J., Baron, J-C, (2013). Visual contrast sensitivity deficits in 'normal' visual field of patients with homonymous visual field defects due to stroke: A pilot study, *Cerebrovascular Diseases*, 36, 329–335 DOI: 10.1159/000354810
- Cole, M. (1999). When the left brain is not right the right brain may be left: Report of personal experience with occipital hemianopia. *Journal of Neurology, Neurosurgery, Psychiatry*, 67, 169-173.
- Costela, F.M., Sheldon, S.S., Walker, B., Woods, R.L. (2018). People with hemianopia report difficulty with

TV, computer, cinema use and photography, *Optometry & Vision Science*, 95, 428-434, doi:10.1097/OPX.0000000000001215

Costela, F.M., Sheldon, S.S., Walker, B., Woods, R.L. (2017). Survey of television, computer and cinema use and photography by people with hemianopia, *Optometry & Vision Science*, 95, 428–434.

Costello, F. (2016). Vision disturbances in multiple sclerosis, *Seminars in Neurology*, 36(2), 185-195. doi:10.1055/s-0036-1579692

Cox, J.A. & Aimola Davies, A.M. (2020). Keeping an eye on visual search patterns in visuospatial neglect: A systematic review [published online ahead of print, 2020 Jun 28]. *Neuropsychologia*, 107547. doi:10.1016/j.neuropsychologia.2020.107547

Crawford, L.B. & Golomb, M.R. (2018). Childhood stroke and vision: A review of the literature. *Pediatric Neurology*, 81, 6-13. <https://doi.org/10.1016/j.pediatrneurol.2017.11.007>

Crotty, M., van den Berg, M., Hayes, A., Chen, C., Lange, K. George, S. (2018). Hemianopia after stroke: A randomized control trial of the effectiveness of standardized versus an individualized rehabilitation program, on scanning ability whilst walking, *NeuroRehabilitation*, 43, 201-209 DOI:10.3233/NRE-172377

de Haan, G.A., Heutink, J., Melis-Dankers, B.J.M., Tucha, O., Brouwer, W.H. (2014) Spontaneous recovery and treatment effects in patients with homonymous visual field defects: A meta-analysis of existing literature in terms of the ICF framework, *Survey of Ophthalmology*, 59, 77-96

de Haan, G.A., Melis-Dankers, B.J.M, Brouwer, W.H., Bredewoud, R.A., Tucha, O., Heutink, J. (2014). Car driving performance in hemianopia: an on-road driving study, *Investigative Ophthalmology & Vision Science*. 55, 6482–6489. DOI: 10.1167/iovs.14-1

de Haan, G.A., Mellis-Dankers, B.J.M., Brouwer, W.H., Tucha, O., Heutink, J. J (2016). The effects of compensatory scanning training on mobility in patients with homonymous visual field defects: Further support, predictive variables and follow-up, *PLoS ONE*, 11(12): e0166310. doi:10.1371/journal.pone.0166310

de Haan, G.A., Heutink, J., Melis-Dankers, B.J.M., Brouwer, W.H., Tucha, O. (2015). Difficulties in daily life reported by patients with homonymous visual field defects, *Journal Neuro-Ophthalmology*, 35, 259-264, doi: 10.1097/WNO.0000000000000244

de Jong, D., Kaufmann-Ezra S., Meichtry, J.R. von Arx, S., Cazzoli, D., Gutbrod, K., Müri, R.M. (2016). The influence of reading direction on hemianopic reading disorders, *Journal of Clinical & Experimental Neuropsychology*, 38(10), 1077–1083 <http://dx.doi.org/10.1080/13803395.2016.1189884>

Dehn, L.B., Piefke, M., Toepper, M, Kohsik, A., Rogalewski, A., Dyck, E...Schabitz, W-R. (2020). Cognitive training in an everyday-like virtual reality enhances visual-spatial memory capacities in stroke survivors with visual field defects, *Topics in Stroke Rehabilitation*, 27(6), 442-452. DOI: 10.1080/10749357.2020.1716531

Dowling, J.E. (2018). *Understanding the brain: From cells to behavior to cognition*. New York: W.W. Norton and Company.

Dreer, L.E. & Broadfoot, A. (2010). Evaluation and intervention for psychosocial issues. M. Warren & E.A. Barstow (Eds.). *Occupational therapy interventions for adults with low vision* (pp.301-318). Bethesda MD: American Occupational Therapy Association.

Elgin, J., McGwin, G., Wood, J.M., Vaphiades, M.S., Braswell, R.A., DeCarlo, D.K.,...Owsley, D. (2010). Evaluation of on-road driving in persons with hemianopia and quadrantanopia, *American Journal of Occupational Therapy*, 64(2), 268-278

Elliott A.F., McGwin, G. Jr, Owsley, C. (2013). Vision impairment among older adults residing in assisted living, *Journal of Aging Health*, 25(2), 364-378. doi:10.1177/0898264312472538

Ekker, M.S., Janssen, S., Seppi, K., Poewe, W., de Vries, N.M., Theelen, T. ...Bleom, B.R. (2017). Ocular and visual disorders in Parkinson's disease: Common but frequently overlooked, *Parkinsonism & Related Disorders*, 40, 1-10, doi: <https://doi.org/10.1016/j.parkreldis.2017.02.014>

Finestone, H.M., Marshall, S.C., Rozenberg, D., Moussa, R.C., Hunt, L, Greene-Finestone, L.S. (2009). Differences between poststroke drivers and nondrivers: demographic characteristics, medical status, and transportation use. *American Journal of Physical Medicine & Rehabilitation*, 88(11). 904-923 DOI: 10.1097/PHM.0b013e3181aa001e

Forrester, J.V., Dick, A.D., McMenamin, P.G., Roberts, F., Eric Pearlman, E. (2016), *Chapter 5, Physiology of vision and the visual system*, (pages 269-337.e2), *The Eye* (4th Ed) W.B. Saunders, (<https://www.sciencedirect.com/science/article/pii/B9780702055546000058>)

Loftus, B.D., Athni, S. S., Cherches, I.M. (2010). *Chapter 2, clinical neuroanatomy*, (pages 18-54,) Loren A. Rolak,(Ed) *Neurology Secrets* (5th Ed.), Mosby, <https://doi.org/10.1016/B978-0-323-05712-7.00002-7>. (<https://www.sciencedirect.com/science/article/pii/B9780323057127000027>)

Freiman, et al. (2004). Complex visual hallucinations (Charles Bonnet syndrome) in visual field defects following cerebral surgery: Report of four cases. (2004). *Journal of Neurosurgery*, 101, 846-853.

Frolov, A., Feuerstein, J., & Subramanian, P.S. (2017). Homonymous hemianopia and vision restoration Therapy, *Neurologic Clinic*, 35, 29-43. <http://dx.doi.org/10.1016/j.ncl.2016.08.010> 0733-8619/17/a 2016

Gartz, R., Dickerson, A., Radloff, J.C. (2021). Comparing component-based and occupation-based interventions of a person with visual deficits' performance, *Occupational Therapy in Healthcare*, 35(1), 40-56. <https://doi.org/10.1080/07380577.2020.1862443>

Gassel, M.M., Williams, D. (1963). Visual function in patients with homonymous hemianopia: part II oculomotor mechanisms. *Brain*, 86, 1-36.

Giorgi, R.G., Woods, R.L., Peli, E. (2009). Clinical and laboratory evaluation of peripheral prism glasses for hemianopia, *Optometry & Vision Science*, 86, 492-502.

Gianutsos, R., Ramsey, R., & Perlin, R.R. (1988). Rehabilitative optometric services for survivors of acquired brain injury, *Archives of Physical Medicine & Rehabilitation*, 69, 573-578.

Gilbert C.D. The constructive nature of visual processing (2013). In Kandel ER, Schwartz JH, Jessell TM, Seiglebaum SA, Hudspeth AJ, (eds.): *Principles of neural science*, ed 5, New York, McGraw-Hill

Gilbert CD. (b) Intermediate-level visual processing and visual primitives (2013) In: Kandel ER, Schwartz JH, Jessell TM, Seiglebaum SA, Hudspeth AL, (eds.) *Principles of Neural Science*. New York, McGraw-Hill.

Harper, R.A., Parkes, J.A., Dickinson, C.M. (2022). Driving and exceptional cases: Support relicensing evaluation in patients whose visual field fail to meet standards, *Ophthalmic & Physiological Optics*, 42,1009-1014. DOI: 10.1111/opo.13015

Hazelton, C., Pollock, A., Taylor, A., Davis, B., Walsh, G., Brady, M.C. (2019). A qualitative exploration of the effect of visual field loss on daily life in home-dwelling stroke survivors, *Clinical Rehabilitation*, 33(7), 1264-1273 doi:10.1177/0269215519837580

Hayes, A., Chen, C.S., Clarke, G., Thompson, A. (2012). Functional improvements following the use of the NVT Vision Rehabilitation program for patients with hemianopia following stroke. *NeuroRehabilitation*. 1(1):19-30. doi:10.3233/NRE-2012-0771

Hepworth, L., Rowe, F., Waterman, H. (2019). VerSE: Vertical reading strategy efficacy for homonymous hemianopia after stroke: A feasibility study, *British & Irish Orthoptic Journal*, 15(1), 28-35 DOI: <https://doi.org/10.22599/bioj.128>

Howard, C., Czanner, G., Helliwell, B. Rowe, F.J. (2022). Adaptation to post-stroke homonymous hemianopia – a prospective longitudinal cohort study to identify predictive factors of the adaptation process, *Disability & Rehabilitation*, 44 (18), 5152-5161, DOI: 10.1080/09638288.2021.192720

Howard, C., Jim Currie, J., Rowe, F.J. (2023). UK exceptional case driving application outcomes in post-stroke homonymous hemianopia: results from a clinical study, *Disability & Rehabilitation*, 45 (24), 4065-4073, DOI: 10.1080/09638288.2022.2144488

Houston, K.E., Bowers, A.R., Fu, X., Liu, R., Goldstein, R.B., Churchill, J.,...Peli E. (2016). A pilot study of perceptual-motor training for peripheral prisms. *Translational Vision Science & Technology*. 22;5(1) 9. doi: 10.1167/tvst.5.1.9. PMID: 26933522; PMCID: PMC4771076.

Johnson, J.E. (1995). Rural elders and the decision to stop driving, *Journal of Community Health Nursing*,12, 131-138.

Jung, J.H. & Peli, E. (2018). No useful field expansion with full-field prisms. *Optometry & Vision Science*, 95(9), 805-813. doi: 10.1097/OPX.0000000000001271. PMID: 30169356; PMCID: PMC6121738.

Kasneci, E., Sippel, K., Heister, M., Aehling, K., Rosenstiel, W., Scheifer, U., Papageorgious, G. (2014). Homonymous visual field loss and its impact on visual exploration: A supermarket study. *Translational Vision Science & Technology*, 3(6) article 2, 1-10. DOI: 10.1167/tvst.3.6.2

Kasneci, E., Sippel, K., Aehling, K., Heister, M., Rosenstiel, W., Scheifer, U., Papageorgiou, G. (2014). Driving with binocular visual field loss? A study on a supervised on-road parcour with simultaneous eye and head tracking, *PLOS One*, 9 (2) e87470 doi:10.1371/journal.pone.0087470

Kedar, S., Zhang, X., Lynn, M.J., Newman, N.J., Biousse, V. (2006). Pediatric homonymous hemianopia, *Journal American Association for Pediatric Ophthalmology & Strabismus*, 10, 249-252.

Klavora, P., Heslegrave, R.J., Young, M. (2000). Driving skills in elderly persons with stroke: comparison of two new assessment options, *Archives of Physical Medicine & Rehabilitation*, 81, 701-705.

Koenraads, Y., Porro, G.L., Braun, K.P, et al. (2016). Prediction of visual field defects in newborn infants with perinatal arterial ischemic stroke using early MRI and DTI-based tractography of the optic radiation, *European Journal of Paediatric Neurology*, 20m 309–318.

Kuester-Gruber S., Kabisch P., Cordey A., Karnath H.O., Trauzet- tel-Klosinski, S. (2021). Training of vertical versus horizontal reading in patients with hemianopia - a randomized and controlled study, *Graefes Archives Clinical Experimental Ophthalmology*, 259(3), 745– 757. <https://doi.org/10.1007/s00417-020-04952-w>

Kusne, Y., Wolf, A.B., Townley, K., Conway, M., Peyman, G.A. (2017). Visual system manifestations of Alzheimer's disease, *Acta Ophthalmologica*, 95, e668-e676, doi: 10.1111/aos.13319

Leff A.P., Scott S.K., Crewes H., et al. (2000). Impaired reading in patients with right hemianopia, *Annals of Neurology*, 47(2):171-178.

Leff, A.P. & Behrmann, M. (2008). Treatment of reading impairment after stroke, *Current Opinion in Neurology*, 21, 644-648.

Leff, A.P., Scott, S.K., Crewes, H., Hodgson, T.L., Cowey, A., Howard, D., & Wise, R.J. (2000). Impaired reading in patients with right hemianopia. *Annals of Neurology*, 47, 171-178.

Leff, A.P., et al (2001). The functional anatomy of single-word reading in patients with hemianopic and pure alexia, *Brain*, 124, 510-521.

Legge GE. (2021). *Psychophysics of Reading in Normal and Low Vision*. London, England: CRC Press

Leigh R.J., & Zee D.S. (2015). *Neurology of Eye Movements*. Cary, NC: Oxford University Press

Levine D.H. (1990). Unawareness of visual and sensorimotor deficits: A hypothesis, *Journal of Perinatology*, 13.

Loftus, B.D., Athni, S. S., Cherches, I.M. (2010). Chapter 2, Clinical Neuroanatomy, (pages 18-54) Ed: Loren A. Rolak, *Neurology Secrets* (5th Ed.), Mosby, , <https://doi.org/10.1016/B978-0-323-05712-7.00002-7>. (<https://www.sciencedirect.com/science/article/pii/B9780323057127000027>)

Lott, L., Schneck, M. E., Haegerstrom-Portnoy, G., Brabyn, J. A., Gildengorin, G. L., & West, C. G. (2001). Reading performance in older adults with good acuity, *Optometry & Vision Science*, 78(5), 316-324.

Lucatello, S., De Angelis, S., Di Lorenzo, C., Iosa, M., Magnotti, L., Di Paola, M.,...Tamontano, M. (2023). Functional assessment scale of hemianopia (Flash): A new multi-disciplinary tool to assess hemianopia in patients with severe acquired brain injury, *Healthcare*, 11, 2883.

<https://doi.org/10.3390/healthcare11212883>

Lund, P., Moir, C., Kristalovich, L. & Mortenson, W. B. (2020). Evaluating the measurement properties of the ScanCourse, a dual-task assessment of visual scanning. *American Journal of Occupational Therapy*, 74, 7401185040. <https://doi.org/10.5014/ajot.2020.032052>

Luukkainen-Markkula, R., Tarkka, I.M., Pitkanen, K. Sivenisu, J., Hamalainen, H. (2011). Comparison of the behavioural inattention test and the catherine bergego scale in assessment of hemispatial neglect *Neuropsychological Rehabilitation*, 21(1), 103-116. DOI:10.1080/09602011.2010.531619

MacKeben, M., Nair, U.K.W., Walker, L.I., Fletcher, D.C. (2015). Random word recognition chart helps scotoma assessment in low vision, *Optometry & Vision Science*, 4 (92), 421-428. 1040-5488/15/9204-0421/0

Maeyama, T., Okada, H., Sakai, S. (2023). The effects of rehabilitative interventions on reading disorders caused by homonymous visual field defects: A meta-analysis focusing on improvement in reading speed, *Acta Neurologica Belgica*, published online, 12, August <https://doi.org/10.1007/s13760-023-02327-6>

Maia da Silva, M.N., Millington, R.S., Bridge, H., James-Galton, M., Plant, G.T. (2017). Visual dysfunction in posterior cortical atrophy. *Frontiers in Neurology*, 8. doi:10.3389/fneur.2017.00389

Marques, C.L.S., de Souza, J.T., Gonçalves, M.G., et al. (2019). Validation of the catherine bergego scale in patients with unilateral spatial neglect after stroke, *Dementia Neuropsychology*, 13(1):82-88. doi:10.1590/1980-57642018dn13-010009

Martin, T., Riley, M.E., Kelly, K.N., Hayhoe, M., Huxlin, K.R. (2007). Visually-guided behavior of homonymous hemianopes in a naturalistic task, *Vision Research*, 47, 3434-3446.

Matteo, B.M., Vigano, B., Cerri, C.G., Meroni R., Cornaggia, C.M. Perin, C. (2017). Transcranial direct current stimulation (tDCS) combined with blindsight rehabilitation for the treatment of homonymous hemianopia: A report of two-cases, *Journal Physical Therapy Science*, 29, 1700-1705

Mathisen, T.S. & Eilertsen, G. (2016). Loss of driving license after stroke: The lived experiences of older men, *Journal of Nursing Education & Practice*, 6(11), 15-24. DOI: 10.5430/jnep.v6n11p15

McGwin, G., Wood, J., Huisingh, C, Owsley, C. (2016). Motor vehicle collision involvement among persons with hemianopia and quadrantanopia, *Geriatrics*, 1,19. doi:10.3390/geriatrics1030019

Mena-Garcia, L., Pastor-Jimeno, J.C., Maldonado, M.J., Coco-Martin, MB., Fernandez, I., Arenillas, J.F. (2021). Multi-tasking compensatory saccadic training program for hemianopia patients: A new approach with 3-dimension real-world objects. *Translational Visual Science & Technology*, 10(2):3

<https://doi.org/10.1167/tvst.10.2.3>

Mena-Garcia, L., Maldonado-Lopez, M.J., Fernandez, I., Coco-Martin, M.B., Finat-Saez, J., Martinez-Jimenez, J.L...Arenillas, J.F. (2020). Visual processing speed in hemianopia patients secondary to acquired brain injury: A new assessment methodology, *Journal of Neuro Engineering & Rehabilitation*, 17:12 <https://doi.org/10.1186/s12984-020-0650>

Mennem, T. A., Warren, M., Yuen, H.K. (2012). Preliminary validation of a vision-dependent activities of daily living instrument on adults with homonymous hemianopia. *American Journal of Occupational Therapy*, 64(4) 478-482.

Misawa, M., Pytova, Y., Markowitz, M., Markowitz, S.N., Reber, M., Aibert-Nido, M (2023). Innovative vision rehabilitation method for hemianopsia: Comparing pre-and post audio-luminous biofeedback training for ocular motility improving visual functions and quality of life. *Frontiers in Neurology*, DOI 10.3389/fneur.2023.1151736

Nelemans, K.N., Nijboer, T.C.W., Ten Brink, A.F., Knowledge Brokers Neglect Study Group, Brinkhof, E., Haver, O.,Timmerarends, A. (2022). The mobility assessment course: A ready-to-use dynamic measure of visuospatial neglect, *Journal of Neuropsychology*, 16, 498–517. DOI:10.1111/jnp.12277

Olgati, E., Russell, C., Soto, D., Malhotra, P. (2016). Motivation and attention following hemispheric stroke, *Progress in Brain Research*, 229, <https://doi.org/10.1016/bs.pbr.2016.06.011>

Ong, Y-H, Brown, M.M., Robinson, P., Plant, G.T., Husain, M., Leff, A.P. (2012). Read-right: a “web app” that improves reading speeds in patients with hemianopsia. *Journal of Neurology*, 259, 2611-2615.

Owsley, C., McGwin, G., Scilley, K., Meek, G.C., Seker, D., Dyer, A. (2007). Effect of refractive error correction on health-related quality of life and depression in older nursing home residents, *Archives of Ophthalmology* 125(11), 1471-1477. doi:10.1001/archophth.125.11.1471

Owsley, C., McGwin, G., Scilley, K, Meek, G.C., Dyer, A., Seker, D. (2007). The visual status of older persons residing in nursing homes, *Archives of Ophthalmology*, 125(7):925-930. doi:10.1001/archophth.125.7.925

Pambakian, A.L.M, Wooding, D.S., Patel, N., Morland, A.B., Kennard, C., Mannan, S.K. (2000). Scanning the visual world: A study of patients with homonymous hemianopia. *Journal of Neurology, Neurosurgery & Psychiatry*, 69, 751-759.

Parker, W.T., McGwin, G., Wood, J.M., Elgin, J. Vaphiades, M., Kline, LB. Owsley, C. (2011). Self-reported driving difficulty by persons with hemianopsia and quadrantanopsia, *Current Eye Research*. 36(3), 270-277.

Peli E. (2002). Low vision driving in the USA: who, where, when and why? *CE Optometry*, 5(2):54–58.

Pollock, A., Hazelton, C., Rowe F.J., Jonuscheit, S., Kernohan, A., Angilley, J., Henderson, C.A., Langhorne, P., Campbell, P. (2019). Interventions for visual field defects in people with stroke. *Cochrane Database of Systematic Reviews*, Issue 5. Art. No.: CD008388.DOI: 10.1002/14651858.CD008388.pub3.

- Postuma, E.M., Heutink, J., Tol, S., Jansen, J.L. Koopman, J., Cornelissen, F., de Haan G.A. (2023). A systematic review on visual scanning behavior in hemianopia considering task specificity, performance improvement, spontaneous and training-induced adaptations, *Disability & Rehabilitation*, DOI: 10.1080/09638288.2023.2243590
- Porter, K. & Arblaster, G. (2020). How does vertical reading affect reading speed? *British & Irish Orthoptic Journal*, 16(1)38-43. DOI: <https://doi.org/10.22599/bioj.149>
- Pundlik, S., Tomasi, M., Houston, K.E., Kumar, A., Shivshanker, P., Bowers, A.R....Luo, G. (2023). Gaze scanning at street crossings by pedestrians with homonymous hemianopia with and without hemispatial neglect, *Investigative Ophthalmology & Visual Science*, 64(14):26 <https://doi.org/10.1167/iovs.64.14.26>
- Perlmutter, M. S., Bhorade, A., Gordon, M., Hollingsworth, H. Engsberg, J. E., Baum, C. (2013). Home lighting assessment for clients with low vision, *American Journal of Occupational Therapy* 67(6): 674–682. doi: [10.5014/ajot.2013.006692](https://doi.org/10.5014/ajot.2013.006692)
- Rayner K. (1998). Eye movements in reading and information processing: 20 years of research. *Psychological Bulletin*, 124(3):372-422. doi:10.1037//0033-2909.124.3.372
- Rodriguez, A.R., Barton, J.J.S. (2015). The 20/20 patient who can't read, *Canadian Journal of Ophthalmology*, 50(4), 257-264.
- Rowe, F.J., Hepworth, L.R., Howard, C., Hanna, K.L., Cheyne, C.P., Currie, J. (2019). High incidence and prevalence of visual problems after acute stroke: An epidemiology study with implications for service delivery. *PLoS One*, 14(3):e0213035. doi:10.1371/journal.pone.0213035
- Rowe, F. J., Wright, D., Brand, D., ... (2011) Reading difficulty after stroke: ocular and non ocular causes. *International Journal of Stroke*, 6(5):404-411. doi:10.1111/j.1747-4949.2011.00583.x
- Rowe, F. J., VIS group UK. (2011). Prevalence of ocular motor cranial nerve palsy and associations following stroke, *Eye*, 25(7):881-887. doi:10.1038/eye.2011.78
- Rowe, F.J., Hanna, K., Evans, J.R.,....(2018). Interventions for eye movement disorders due to acquired brain injury. *Cochrane Library*. 2018, (3). doi:10.1002/14651858.cd011290.pub2
- Rowe, J. & VIS Group UK (2013). A prospective profile of visual field loss following stroke: Prevalence, type, rehabilitation and outcome, *BioMed Research International*, Article ID 719096, <http://dx.doi.org/10.1155/2013/719096>
- Rowe, F.J. Conroy, E.J., Bedson, E.,.... (2017). A pilot randomized controlled trial comparing effectiveness of prism glasses, visual search training and standard care in hemianopia, *Acta Neurologica Scandinavica*, 136(4):310-321. doi:10.1111/ane.12725
- Rowe F.J., Sueke, H., Gawley, S.D. (2010). Comparison of Damato campimetry and Humphrey automated perimetry results in a clinical population, *British Journal of Ophthalmology*, 94(6):757-762. doi:10.1136/bjo.2009.161240

Schuchard, R.A. (1995). Adaptation to macular scotomas in persons with low vision, *American Journal of Occupational Therapy*, 49, 9, 870-876.

Schuett, S., Heywood, C. A., Kentridge, R. W., Zihl, J. (2008-A). Rehabilitation of hemianopic dyslexia: are words necessary for re-learning oculomotor control? *Brain*, 131(Pt 12), 3156-3168.

Schuett, S. Heywood, C.A., Kentridge, R.W., Zihl, J. (2008-B). The significance of visual information processing in reading: Insights from hemianopic dyslexia, *Neuropsychologia*, 46, 2445-2462.

Schuett S. & Zihl J. (2013). Does age matter? Age and rehabilitation of visual field disorders after brain injury. *Cortex*, 49(4), 1001-1012. doi:10.1016/j.cortex.2012.04.008

Schuett S. (2009). The rehabilitation of hemianopic dyslexia, *Nature Reviews Neurology*, 5(8),427-437. doi:10.1038/nrneurol.2009.97

Shen J., Peli E., Bowers, A.R. (2015). Peripheral prism glasses: effects of moving and stationary backgrounds. *Optometry & Vision Science*, Apr;92(4):412-420. doi: 10.1097/OPX.0000000000000552. PMID: 25785533; PMCID: PMC4424073.

Spitzyna, G.A., Wise, R.J.S., McDonald, S.A., Plant, G.T., Kidd, D., Crewes, B.A...Leff, A.P. (2007). Optokinetic therapy improves text reading in patients with hemianopic alexia: A controlled trial, *Neurology* 68(27), 1922-1930 doi:10.1212/01.wnl.0000264002.30134.2a.

Stephenson, S., Anderson-Tome, A., Fischer, S., Guzman, A., Meredith, W., Somers ,C. (2019). Pilot study: Using the bioness integrated therapy system (BITS) to examine the correlation between skills and success with on-the-road driving evaluations, *American Journal of Occupational Therapy*, 73(4_Supplement_1):7311515280p1-7311515280p1. doi:10.5014/ajot.2019.73s1-po4054

Swenor, B.K., Yonge, A.V., Goldhammer, V. et al. (2016). Evaluation of the Home Environment Assessment for the Visually Impaired (HEAVI): An instrument designed to quantify fall-related hazards in the visually impaired. *BMC Geriatrics*, 16, 214. <https://doi.org/10.1186/s12877-016-0391-2>

Tant, M.L.M., Cornelissen, F.W., Kooijman, A.C., & Brouwer, W.H. (2002). Hemianopic visual field defects elicit hemianopic scanning. *Vision Research*, 42, 1339-1348.

Trobe, J.D. et al (1981). Confrontation visual field techniques in the detection of anterior visual pathway lesions. *Annals of Neurology*, 10, 28-34.

Vallar G, Calzolari E.(2018). Unilateral spatial neglect after posterior parietal damage. *Handbook Clinical Neurology*, 151:287-312. doi:10.1016/B978-0-444-63622-5.00014-0

Van Waveren, M., Jagle, H., Besch, D. (2013). Management of strabismus with hemianopic visual field defects. *Graefes Arch Clin Exp Ophthalmology* 251, 575-584. DOI 10.1007/s00417-012-2045-1

Vaphiades, M.S., Celesia, G.G., Brigell, M.G.(1996). Positive spontaneous visual phenomena limited to the hemianopic field in lesions of central visual pathways. *Neurology*, 47(2):408-417. doi:10.1212/wnl.47.2.408

Vaphiades, M.S., Kline, L.B., McGwin, G., Owsley, C., Shah, R., Wood, J.M. (2014). Prediction of driving safety in individuals with homonymous hemianopia and quadrantanopia from clinical neuroimaging, *Journal of Ophthalmology*, Article ID 754042, 6 pages <http://dx.doi.org/10.1155/2014/754042>

Voleti, V.R. & Hubschman, J-P. (2013). Age-related eye disease. *Maturitas*, 75, 29-33.

Warren, M. (1993). A hierarchal model for evaluation and treatment of visual perceptual dysfunction in adult acquired brain injury, parts 1 and 2. *American Journal of Occupational Therapy*, 47, 42-67.

Warren, M. (1990). Identification of visual scanning deficits in post-CVA patients. *American Journal of Occupational Therapy*, 44, 391-399.

Warren M. (2009). Pilot study on activities of daily living limitations in adults with hemianopsia. *American Journal Occupational Therapy*, 63(5),626-633. doi:10.5014/ajot.63.5.626

Warren M., Moore J.M., Vogtle L.K. (2008). Search performance of healthy adults on cancellation tests. *American Journal of Occupational Therapy*, 62(5):588-594. doi:10.5014/ajot.62.5.588

Watson, G.R. Watson G., Baldasare, J., Whittaker, S. (1990). The validity and clinical uses of the Pepper Visual Skills for Reading Test. *Journal of Vision Impairment & Blindness*, 84(3):119-123. doi:10.1177/0145482x9008400304

Wijesundera, C., Vingrys, A.G., Wijeratne, T., Crewther, S.G. (2020). Acquired visual field deficits independent of lesion site in acute stroke, *Frontiers in Neurology*, (11):705 doi: 10.3389/fneur.2020.00705

Williams, T.A. (1995). Case report-low vision rehabilitation for a patient with a traumatic brain injury, *American Journal of Occupational Therapy*, 49(9), 923-926.

Wolberg A & Kapoor N. (2022). Homonymous Hemianopsia. In: StatPearls [Internet]. StatPearls Publishing; 2022.

Wood, J.M. (2019). Glenn A. Fry Award Lecture: Driving toward a new vision: Understanding the role of vision in driving. *Optometry & Vision Science*, 6, 626–636. doi:10.1097/OPX.0000000000001421

Zhang, X., Kedar, S., Lynn, M.J., Newman, N.J., Biousse, V. (2006). Natural history of homonymous hemianopia. *American Journal of Ophthalmology*, 142(2):366. doi:10.1016/j.ajo.2006.06.023

Zihl J., 2011, *Rehabilitation of Visual Disorders after Brain Injury*. London, England: Taylor & Francis.

Zihl, J., Kentridge, R.W., Pargent, F., Heywood, C.A. (2021). Aging and the rehabilitation of homonymous hemianopia: The efficacy of compensatory eye-movement training techniques and a five- year follow up. *Aging Brain*, 1:100012. <https://doi.org/10.1016/j.nbas.2021.100012>