

## BASES DE DONNEES BIBLIOGRAPHIQUES

Développement physiologique de l'oculomotricité	64
Troubles de la vision binoculaire et oculomotricité	68
Hyperactivité et oculomotricité	69
Autisme et oculomotricité	70
Dyslexie et oculomotricité	72
Schizophrénie et oculomotricité	73
Constance de forme	77
Figure-Fond	80
Mémoire visuelle	84
Organisation visuo-spatiale	92
Closure visuelle	97
Troubles neurovisuels	99
Bibliographie Paralysie cérébrale- Polyhandicap	102
Posture	103
Bilan et rééducation sensori-moteurs	106
Bibliographie - protocole dépistage visuel	106
Ophthalmologie & neuro-ophthalmologie	109

### 1 DEVELOPPEMENT PHYSIOLOGIQUE DE L'OCULOMOTRICITE

Rommelse NN, Van der Stigchel S, Sergeant JA. (2008). A review on eye movement studies in childhood and adolescent psychiatry. *Brain Cogn*, 68(3):391-414.

Klein C H, Raschke A, Brandenbusch A. (2003). Development of pro- and antisaccades in children with attention-deficit hyperactivity disorder (ADHD) and healthy controls. *Psychophysiology*, 40: 17-28. doi:10.1111/1469-8986.00003

Bucci MP., Seassau M. (2012). Saccadic eye movements in children: a developmental study. *Exp Brain Res*, 222(1-2):21-30.

Abel LA, Trosst BT & Dell'Osso LF. (1983). The effect of age on normal saccade characteristics and their variability. *Vision Research*, 23: 33-37.

Bucci MP, Pouvreau N, Yang Q & Kapoula Z. (2005). Gap and overlap effect on latency of saccades and vergence in 7 years old children. *Experimental Brain Research*, 164 (1): 48-57.

Hallet P. (1978). Primary and secondary saccades to goals defined by instructions. *Vision Research*, 18: 1279-1296.

Munoz DP, Broughton JR, Goldring JE, Armstrong I.T. (1998). Age-related performance of human subjects on saccadic eye movement tasks. *Exp Brain Res*, 121: 391-400.



- Pierrot-Deseilligny C, Rivaud S, Gaymard B, Muri R, Vermersch AI. (1995). Cortical control of saccades. *Ann Neurol*, 37: 557-567.
- Wheless LL, Cohen GH & Boyton RM. (1967). Luminance as a parameter of the eye movement control system. *J Opt Soc Am*, 57: 394-400.
- Yang Q, Bucci MP & Kapoula Z. (2002). The latency of saccades, vergence, and combined eye movements in children and in adults. *IOVS*, 43(9): 2939-2949.
- Yang Q & Kapoula Z. (2004) Saccade–vergence dynamics and interaction in children and in adults. *Exp Brain Res*, 156: 212–223.
- Zambarbieri D, Beltrami G & Versino M. (1995). Saccade Latency toward auditory targets depends on the relative position of the sound source with respect to the eyes. *Vision Research*, 35: 23/24, 3305-3312.
- Bucci MP, Seassau M. (2012). Saccadic eye movements in children: a developmental study. *Exp Brain Res*, 222(1-2):21-30. doi: 10.1007/s00221-012-3192-7. Epub 2012 Jul 27.
- Luna B, Velanova K, Geier C. (1968). Developement of eye movement control. *Brain and Cognition*, Dec 68(3):1-16
- Luna B, Garver K, Urban T et al. (2004). Maturation of Cognitive processes from late childhood to adulthood. *Child development*, 75 (5):1357-1372.
- Amlôt R, Walker R, Driver J, Spence C. (2003). Multimodal visual-somatosensory integration in saccade generation. *Neuropsychologia*, 41:1–15.
- Bahill AT, Clark MR, Stark L. (1975). The main sequence, a tool for studying human eye movements. *Math Biosci*, 24:191–204.
- Barnes GR. (2008). Cognitive processes involved in smooth pursuit eye movements. *Brain Cogn*, 68:309–326.
- Bassou L, Granié M, Pugh AK, Morucci JP. (1992). [Binocular coordination during reading]. *Comptes Rendus Académie Sci Sér III Sci Vie*, 315:159–164.
- Becker W, Fuchs AF. (1969). Further properties of the human saccadic system: eye movements and correction saccades with and without visual fixation points. *Vision Res*, 9:1247–1258.
- Becker W, Jürgens R. (1979). An analysis of the saccadic system by means of double step stimuli. *Vision Res*, 19:967–983.
- Bernstein N. (1967). *The coordination and regulation of movements*, Pergamon Press. Oxford.
- Blythe HI, Liversedge SP, Joseph HSSL, White SJ, Findlay JM, Rayner K. (2006). The binocular coordination of eye movements during reading in children and adults. *Vision Res*, 46:3898–3908.
- Boghen D, Troost BT, Daroff RB, Dell’Osso LF, Birkett JE. (1974). Velocity characteristics of normal human saccades. *Invest Ophthalmol*, 13:619–623.
- Bucci MP, Kapoula Z. (2006). Binocular coordination of saccades in 7 years old children in single word reading and target fixation. *Vision Res*, 46:457–466.
- Bucci MP, Seassau M. (2013). Vertical saccades in children: a developmental study. *Exp. Brain Res*, 3:927–934.
- Butler KM, Zacks RT, Henderson JM. (1999). Suppression of reflexive saccades in younger and older adults: age comparisons on an antisaccade task. *Mem Cognit*, 27:584–591.

- Catz N, Thier P. (2007). Neural control of saccadic eye movements. *Dev Ophthalmol*, 40:52–75.
- Collewijn H, Erkelens CJ, Steinman RM. (1988). Binocular co-ordination of human vertical saccadic eye movements. *J. Physiol*, 404:183–197.
- Cornelissen P, Munro N, Fowler S, Stein J. (1993). The stability of binocular fixation during reading in adults and children. *Dev Med Child Neurol*, 35:777–787.
- Crawford TJ, Hill S, Higham S. (2005). The inhibitory effect of a recent distracter. *Vision Res*, 45:3365–3378.
- Day BL, Brown P. (2001). Evidence for subcortical involvement in the visual control of human reaching. *Brain J Neurol*, 124:1832–1840.
- De Brouwer S, Missal M, Barnes G, Lefèvre P. (2002). Quantitative analysis of catch-up saccades during sustained pursuit. *J Neurophysiol*, 87:1772–1780.
- Dodge R. (1903). Five Types of Eye Movement in the Horizontal Meridian Plane of the Field of Regard. *Am. J. Physiol. – Leg. Content*, 8:307–329.
- Fioravanti F, Inchingolo P, Pensiero S, Spanio M. (1995). Saccadic eye movement conjugation in children. *Vision Res*, 35:3217–3228.
- Fukushima J, Hatta T, Fukushima K. (2000). Development of voluntary control of saccadic eye movements. *Brain Dev*, 22:173–180.
- Gaymard B. (2012). Cortical and sub-cortical control of saccades and clinical application. *Rev Neurol (Paris)*, 168:734–740.
- Glasauer S, Schneider E, Jahn K, Strupp M, Brandt T. (2005). How the eyes move the body. *Neurology*, 65:1291–1293.
- Glasauer S, Stephan T, Kalla R, Marti S, Straumann D. (2009). Up–Down Asymmetry of Cerebellar Activation During Vertical Pursuit Eye Movements. *The Cerebellum*, 8:385–388.
- Hendriks AW (1996). Vergence eye movements during fixations in reading. *Acta Psychol (Amst)*, 92:131–151.
- Ingster-Moati I, Vaivre-Douret L, Bui Quoc E, Albuissou E, Dufier J-L, Golse B. (2009). Vertical and horizontal smooth pursuit eye movements in children: A neuro-developmental study. *Eur J Paediatr Neurol*, 13:362–366.
- Irving EL, Steinbach MJ, Lillakas L, Babu RJ, Hutchings N. (2006). Horizontal Saccade Dynamics across the Human Life Span. *Invest Ophthalmol Vis Sci*, 47:2478–2484.
- Irving EL, Tajik-Parvinchi DJ, Lillakas L, González EG, Steinbach MJ. (2009). Mixed pro and antisaccade performance in children and adults. *Brain Res*, 1255:67–74.
- Jainta S, Dehnert A, Heinrich SP, Jaschinski W. (2011). Binocular coordination during reading of blurred and nonblurred text. *Invest Ophthalmol Vis Sci*, 52:9416–9424.
- Javal E. (1905). *Physiologie de la lecture et de l'écriture*. Cambridge Univ Press.
- Katsanis J, Iacono WG, Harris M. (1998). Development of oculomotor functioning in preadolescence, adolescence, and adulthood. *Psychophysiology*, 35:64–72.
- Lencer R, Trillenberg P. (2008). Neurophysiology and neuroanatomy of smooth pursuit in humans. *Brain Cogn*, 68:219–228.

- Lengyel D, Weinacht S, Charlier J, Gottlob I. (1998). The development of visual pursuit during the first months of life. *Graefes Arch Clin Exp Ophthalmol*, 236:440–444.
- Liversedge SP, White SJ, Findlay JM, Rayner K. (2006). Binocular coordination of eye movements during reading. *Vision Res*, 46:2363–2374.
- Luna B, Velanova K, Geier CF. (2008). Development of eye-movement control. *Brain Cogn*, 68:293–308.
- Meyer CH, Lasker AG, Robinson DA. (1985). The upper limit of human smooth pursuit velocity. *Vision Res*, 25:561–563.
- O'Regan K, Lévy-Schoen A. (1978). [Eye movements during reading]. *Année Psychol*, 78:459–492.
- Ohtsuka K, Sawa M, Takeda M. (1989). Accuracy of memory-guided saccades. *Ophthalmol J Int Ophthalmol Int J Ophthalmol Z Für Augenheilkd*, 198:53–56.
- Pieh C, Proudlock F, Gottlob I. (2011). Smooth pursuit in infants: maturation and the influence of stimulation. *Br J Ophthalmol*, 96:73–77.
- Pierrot-Deseilligny C, Rivaud S, Gaymard B, Agid Y. (1991). Cortical control of reflexive visually-guided saccades. *Brain J Neurol*, 114 (Pt 3):1473–1485.
- Pierrot-Deseilligny C, Rivaud S, Gaymard B, Müri R, Vermersch AI. (1995). Cortical control of saccades. *Ann Neurol*, 37:557–567.
- Rayner K. (1986). Eye movements and the perceptual span in beginning and skilled readers. *J Exp Child Psychol*, 41:211–236.
- Rayner K (1998). Eye movements in reading and information processing: 20 years of research. *Psychol Bull*, 124:372–422.
- Robinson DA. (1965). The mechanics of human smooth pursuit eye movement. *J Physiol*, 180:569.
- Ross RG, Radant AD, Hommer DW. (1993). A Developmental Study of Smooth Pursuit Eye Movements in Normal Children from 7 to 15 Years of Age. *J. Am. Acad. Child Adolesc. Psychiatry*, 32:783–791.
- Roucoux A, Culee C, Roucoux M. (1983). Development of fixation and pursuit eye movements in human infants. *Behav Brain Res*, 10:133–139.
- Salman MS, Sharpe JA, Eizenman M, Lillakas L, Westall C, To T, Dennis M, Steinbach MJ. (2006). Saccades in children. *Vision Res*, 46:1432–1439.
- Salman MS, Sharpe JA, Lillakas L, Dennis M, Steinbach MJ. (2005). Smooth pursuit eye movements in children. *Exp Brain Res*, 169:139–143.
- Shupert C, Fuchs AF. (1988). Development of conjugate human eye movements. *Vision Res*, 28:585–596.
- Tajik-Parvinchi DJ, Lillakas L, Irving E, Steinbach MJ. (2003). Children's pursuit eye movements: a developmental study. *Vision Res*, 43:77–84.
- Takeichi N, Fukushima J, Kurkin S, Yamanobe T, Shinmei Y, Fukushima K. (2003). Directional asymmetry in smooth ocular tracking in the presence of visual background in young and adult primates. *Exp Brain Res*, 149:380–390.
- Taylor EA. (1966). The fundamental reading skill, as related to eye-movement photography and visual anomalies. Thomas.