Adi-Japha E, Landau YE, Frenkel L, Teicher M, Gross-Tsur V, Shalev RS. ADHD and dysgraphia: underlying mechanisms. Cortex 2007 Aug;43(6):700-9.

Altarelli I, Leroy F, Monzalvo K, Fluss J, Billard C, Dehaene-Lambertz G, Galaburda AM, Ramus F. Planum temporale asymmetry in developmental dyslexia: Revisiting an old question. Hum Brain Mapp. 2014 Dec;35(12):5717-35.

Alvarez TA, Fiez JA. Current perspectives on the cerebellum and reading development. Neurosci Biobehav Rev. 2018 Sep;92:55-66.

American Psychiatric Association. DSM-5®. Diagnostic and statistical manual of mental disorders (5th ed.). Washington, DC: Author, 2013. American Psychiatric Association. DSM-5®. Diagnostic and statistical manual of mental disorders (5th ed.). Washington, DC: Author, 2013.

Badcock NA, Bishop DV, Hardiman MJ, Barry JG, Watkins KE. Co-localisation of abnormal brain structure and function in specific language impairment.  Brain Lang 2012 Mar;120(3):310-20.

Bailey SK, Aboud KS, Nguyen TQ, Cutting LE. Applying a network framework to the neurobiology of reading and dyslexia. J Neurodev Disord 2018 Dec 13;10(1):37.

Benson DF, Geschwind, N. (1970). Developmental Gerstmann syndrome*. Neurology* **20:** 293–298.

Biotteau M, Chaix Y, Blais M, Tallet J, Péran P, Albaret JM. [Neural Signature of DCD: A Critical Review of MRI Neuroimaging Studies.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/28018285/?from_term=brain+DCD+biotteau&from_pos=1)  Front Neurol 2016 Dec 16;7:227.

Biotteau M, Péran P, Vayssière N, Tallet J, Albaret JM, Chaix Y. [Neural changes associated to procedural learning and automatization process in Developmental Coordination Disorder and/or Developmental Dyslexia.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/27546352/?from_term=biotteau+DCD+dyslexia+&from_sort=date&from_pos=2) Eur J Paediatr Neurol. 2017 Mar;21(2):286-299.

Bishop DV, Snowling MJ. Developmental dyslexia and specific language impairment: same or different? Psychol Bull 2004 Nov;130(6):858-86.

Bishop DVM, & Snowling M J. Developmental Dyslexia and Specific Language Impairment: Same or different? Psychological Bulletin 2004; 130(6), 858–886.

[Bishop DVM](https://www.ncbi.nlm.nih.gov/pubmed/?term=Bishop%20DVM%5BAuthor%5D&cauthor=true&cauthor_uid=28714100). Why is it so hard to reach agreement on terminology? The case of developmental language disorder (DLD). [Int J Lang Commun Disord.](https://www.ncbi.nlm.nih.gov/pubmed/28714100) 2017 Nov;52(6):671-680. doi: 10.1111/1460-6984.12335. Epub 2017 Jul 17.

Blau V, Van Atteveldt N, Ekkebus M, Goebel R, Blomert L. Reduced neural integration of letters and speech sounds links phonological and reading deficits in adult dyslexia. Current Biology, 2009, 19(6), 503-508.

Blomert L. The neural signature of orthographic-phonological binding in successful and failing reading development. Neuroimage 2011;57, 695–703.

Boets B. Dyslexia: reconciling controversies within an integrative developmental perspective. Trends Cogn Sci. 2014 Oct;18(10):501-3.

Boets, B, Op de Beeck HP, Vandermosten M, Scott SK, Gilleber CR, Mantini D, Bulthé J, Sunaert S, Wouters J, Ghesquière P. Intact but less accessible phonetic representations in adults with dyslexia. Science 2013; 342(6163), 1251-1244.

Bradshaw AR, Bishop D, Woodhead Z. [Testing the interhemispheric deficit theory of dyslexia using the visual half-field technique.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/31813327/?from_term=interhemispheric+deficit+theory+of+dyslexia+&from_sort=date&from_pos=1) . Q J Exp Psychol (Hove) 2020 Jan 10:1747021819895472. doi: 10.1177/1747021819895472.

Brown-Lum M, Izadi-Najafabadi S, Oberlander TF, Rauscher A, Zwicker JG. [Differences in White Matter Microstructure Among Children With Developmental Coordination Disorder.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/32186744/?from_sort=date&from_term=Brown-Lum+M&from_cauthor_id=32186744&from_pos=1) JAMA Netw Open.2020 Mar 2;3(3):e201184.

Butterworth B. (2005). The development of arithmetical abilities. Journal of Child Psychology and Psychiatry, 46, 3–18.

Cain K, Bignell S. Reading and listening comprehension and their relation to inattention and hyperactivity. Br J Educ Psychol 2014 Mar;84(Pt 1):108-24.

Catts H W, Adlof SM, Hogan TP, & Weismer SE. Are specific language impairment and dyslexia distinct disorders? Journal of Speech, Language, and Hearing Research 2005; 48(6), 1378–1396. https://doi.org/10.1044/1092-4388(2005/096)

Chaix Y, Albaret JM, Brassard C, Cheuret E, de Castelnau P, Benesteau J, Karsenty C, Démonet JF. Motor impairment in dyslexia: the influence of attention disorders. Eur J Paediatr Neurol. 2007 Nov;11(6):368-74.

Chiang HL, Chen YJ, Lo YC, Tseng WY, Gau SS. Altered white matter tract property related to impaired focused attention, sustained attention, cognitive impulsivity and vigilance in attention-deficit/ hyperactivity disorder. J Psychiatry Neurosci 2015 Sep;40(5):325-35.

Christian LW, Nandakumar K, Hrynchak PK, Irving EL. Visual and binocular status in elementary school children with a reading problem. J Optom. 2018 Jul - Sep;11(3):160-166.

Cohen L, Dehaene S, Naccache L, Lehericy S, Dehaene-Lambertz G, Henaff MA, Michel,F.The visual word form area: spatial and temporal characterization of an initial stage of reading in normal subjects and posterior split-brain patients. Brain 2000; 123 (Pt 2), 291–307.

Cullum A, Hodgetts WE, Milburn TF, Cummine J. [Cerebellar Activation During Reading Tasks: Exploring the Dichotomy Between Motor vs. Language Functions in Adults of Varying Reading Proficiency.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/30949938/?from_sort=date&from_term=Cullum+A&from_cauthor_id=30949938&from_pos=1)  Cerebellum. 2019 Aug;18(4):688-704.

Daini R, De Fabritiis P, Ginocchio C, Lenti C, Lentini CM, Marzorati D, Lorusso ML. Revisiting Strephosymbolie: The Connection between Interhemispheric Transfer and Developmental Dyslexia. Brain Sci. 2018 Apr 17;8(4):67.

De La Fuente A, Xia S, Branch C, Li X. A review of attention-deficit/hyperactivity disorder from the perspective of brain networks. Front Hum Neurosci. 2013 May 15;7:192.

Demonet JF, Taylor MJ, & Chaix, Y. Developmental dyslexia. *Lancet* 2004;, *363*(9419), 1451-1460.

Fawcett AJ, Nicolson RI, & Dean P. Impaired performance of children with dyslexia on a range of cerebellar tasks. Annals of Dyslexia 1996; 46, 259-283.

Fawcett, A. J., Nicolson, R. I., & Dean, P. (1996). Impaired performance of children with dyslexia on a range of cerebellar tasks. Annals of Dyslexia, 46, 259-283.

Feng X, Li L, Zhang M, Yang X, Tian M, Xie W, Lu Y, Liu L, Bélanger NN, Meng X, Ding G. [Dyslexic Children Show Atypical Cerebellar Activation and Cerebro-Cerebellar Functional Connectivity in Orthographic and Phonological Processing.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/27785760/?from_term=dyslexia+cerebellum&from_sort=date&from_page=2&from_pos=10)  Cerebellum. 2017 Apr;16(2):496-507.

Fernandez VG, Juranek J, Romanowska-Pawliczek A, Stuebing K, Williams VJ, Fletcher JM. [White matter integrity of cerebellar-cortical tracts in reading impaired children: A probabilistic tractography study.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/26307492/?from_sort=date&from_term=Fernandez+VG&from_cauthor_id=26307492&from_pos=1) Brain Lang. 2016 Oct;161:45-56.

Finn ES, Shen X, Holahan JM, Scheinost D, Lacadie C, Papademetris X, Shaywitz SE, Shaywitz BA, Constable RT. [Disruption of functional networks in dyslexia: a whole-brain, data-driven analysis of connectivity.](https://www.ncbi.nlm.nih.gov/pubmed/24124929) Biol Psychiatry. 2014 Sep 1;76(5):397-404.

Friederici AD. Pathways to language: fiber tracts in the human brain. Trends in Cognitive Sciences, 2009; 13 (4), 175–181, <http://dx.doi.org/10.1016/j.tics.2009.01.001>

Friederici AD. The neural basis of language development and its impairment. Neuron 2006; 52(6), 941–952.

Friedmann N , [Lukov L](https://www.ncbi.nlm.nih.gov/pubmed/?term=Lukov%20L%5BAuthor%5D&cauthor=true&cauthor_uid=18761129). Developmental surface dyslexias. [Cortex.](https://www.ncbi.nlm.nih.gov/pubmed/18761129) 2008 Oct;44(9):1146-60. doi: 10.1016/j.cortex.2007.09.005. Epub 2008 Mar 4.

Froehlich TE, Fogler J, Barbaresi WJ, Elsayed NA, Evans SW, Chan E. Using ADHD Medications to Treat Coexisting ADHD and Reading Disorders: A Systematic Review. Clin Pharmacol Ther 2018 Oct;104(4):619-637. doi: 10.1002/cpt.1192. Epub 2018 Aug 30.

Germanò E, Gagliano A, Curatolo P. Comorbidity of ADHD and dyslexia. Dev Neuropsychol. 2010;35(5):475-93.

Geschwind N. Disconnexion syndromes in animals and man. I. Brain 1965 Jun;88(2):237-94.

Gilger J, Hynd G. Neurodevelopmental variation as a framework for thinking about the twice exceptional. Roeper Review 2008;30:214–228.

Girbau-Massana D, Garcia-Marti G, Marti-Bonmati L, Schwartz RG. [Gray-white matter and cerebrospinal fluid volume differences in children with Specific Language Impairment and/or Reading Disability.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/24418156/?from_sort=date&from_term=Girbau-Massana+D&from_cauthor_id=24418156&from_pos=1) Neuropsychologia. 2014 Apr;56:90-100.

 [Goswami](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/?sort=date&term=Goswami+U&cauthor_id=25790866) U. Visual Attention Span Deficits and Assessing Causality in Developmental Dyslexia . Nat Rev Neurosci 2015 Apr;16(4):225. doi: 10.1038/nrn3836-c2.

Gullick MM, Booth JR (2014) Individual differences in crossmodal brain activity predict arcuate fasciculus connectivity in developing readers. J Cogn Neurosci 26:1331–1346.

Habib M, Robichon F, Chanoine V, Démonet J-F, Frith C, and Frith U. The Influence of Language Learning on Brain Morphology: The ‘‘Callosal Effect’’ in Dyslexics Differs According to Native Language. Brain and Language 2000; 74(3) : 520‐524.

Habib M., Robichon F. Structural correlates of brain asymmetry : studies in left-handed and dyslexic individuals. In : K. Hugdahl & R.J. Davidson, Eds, Cambridge (MA) : MIT press, The Asymmetrical Brain, pp. 681-716, 2003.

Hayes E, Tiippana K, Nicol T, Sams M, Kraus N. Integration of heard and seen speech: a factor in learning disabilities in children. Neuroscience Letters2003; 351**,** 46–50

Heim S, Pape-Neumann J, van Ermingen-Marbach M, Brinkhaus M, Grande M. [Shared vs. specific brain activation changes in dyslexia after training of phonology, attention, or reading.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/24802381/?from_term=shared+vs+specific+brain+activation&from_pos=1) Brain Struct Funct. 2015 Jul;220(4):2191-207. doi: 10.1007/s00429-014-0784-y. Epub 2014 May 7.

Heim S, Tschierse J, Amunts K, Wilms M, Vossel S, Willmes K, Grabowska A, Huber W. Cognitive subtypes of dyslexia. Acta Neurobiol Exp (Wars). 2008;68(1):73-82.

Hoeft F, McCandliss BD, Black JM, Gantman A, Zakerani N, Hulme C, Gabrieli, J. D. E. (2011). Neural systems predicting long-term outcome in dyslexia. Proceedings of the National Academy of Sciences of the United States of America, 108(1), 361–366.

Horowitz-Kraus T, Toro-Serey C, DiFrancesco M. Increased Resting-State Functional Connectivity in the Cingulo-Opercular Cognitive-Control Network after Intervention in Children with Reading Difficulties. PLoS One. 2015 Jul 21;10(7):e0133762. doi: 10.1371/journal.pone.0133762. eCollection 2015.

Hyde C, Sciberras E, Efron D, Fuelscher I, Silk T. Reduced fine motor competence in children with ADHD is associated with atypical microstructural organization within the superior longitudinal fasciculus. Brain Imaging Behav. 2020 Apr 24. doi: 10.1007/s11682-020-00280-z. Online ahead of print.

 J Child Adolesc Psychopharmacol 2017 Feb;27(1):19-28.

Jagger-Rickels AC, Kibby MY, Constance JM. [Global gray matter morphometry differences between children with reading disability, ADHD, and comorbid reading disability/ADHD.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/30189332/?from_term=language+disorder+dyslexia+brain+MRI&from_sort=date&from_page=4&from_pos=1)  Brain Lang 2018 Oct;185:54-66.

Jednoróg K, Gawron N, Marchewka A, Heim S, Grabowska A. Cognitive subtypes of dyslexia are characterized by distinct patterns of grey matter volume. Brain Struct Funct 2014 Sep;219(5):1697-707

Jolles D, Wassermann D, Chokhani R, Richardson J, Tenison C, Bammer R, Fuchs L, Supekar K, Menon V. Plasticity of left perisylvian white-matter tracts is associated with individual di erences in math learning. Brain Struct Funct. 2016 Apr;221(3):1337-51.

Joly-Pottuz B., Mercier M., Leynaud A., Habib, M. (2006). Combined auditory and articulatory training improves phonological deficit in children with dyslexia . *Neuropsychological Rehabilitation*, 22 (1), 1 – 28.

Jover M, Ducrot S, Huau A, Bellocchi S, Brun-Hénin F, Mancini J. Les troubles moteurs chez les enfants dyslexiques : revue de travaux et perspectives. Enfance 2013; 4, 323 -347 .

Kandel S, Lassus-Sangosse D, Grosjacques G, Perret C. [The impact of developmental dyslexia and dysgraphia on movement production during word writing.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/29157129/?from_term=dyslexia+dysgraphia&from_sort=date&from_page=3&from_pos=8)  Cogn Neuropsychol 2017 May-Jun;34(3-4):219-251.

Karipidis, I. I., Pleisch, G., Röthlisberger, M., Hofstetter, C., Dornbierer, D., Stämpfli, P., et al. (2017). Neural initialization of audiovisual integration in prereaders at varying risk for developmental dyslexia. *Hum. Brain Mapp.* 38, 1038–1055. doi: 10.1002/hbm.23437

Keulers EH, Hendriksen JG, Feron FJ, Wassenberg R, Wuisman-Frerker MG, Jolles J, Vles JS. Methylphenidate improves reading performance in children with attention deficit hyperactivity disorder and comorbid dyslexia: an unblinded clinical trial. Eur J Paediatr Neurol. 2007 Jan;11(1):21-8.

Krause MB. [Pay Attention!: Sluggish Multisensory Attentional Shifting as a Core Deficit in Developmental Dyslexia.](https://www.ncbi.nlm.nih.gov/pubmed/26338085) Dyslexia 2015 Nov;21(4):285-303.

Krishnan S, Watkins KE, Bishop DVM. [Neurobiological Basis of Language Learning Difficulties.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/27422443/?from_term=Neurobiological+Basis+of+Language+Learning+Difficulties&from_sort=date&from_pos=3) Trends Cogn Sci. 2016 Sep;20(9):701-714.

Kucian K, Ashkenazi SS, Hänggi J, Rotzer S, Jäncke L, Martin E, von Aster M. Brain Struct Funct. 2014 Sep;219(5):1721-33. Developmental dyscalculia: a dysconnection syndrome? *Brain Struct Funct* 2014 Sep ;219(5) :1721-33.

Lalain M, Joly-Pottuz B, Nguyen N, Habib M. Dyslexia: The articulatory hypothesis revisited. Brain Cogn. nov 2003;53(2):253‐ 6.

Landerl K, Bevan A, Butterworth B: Developmental dyscalculia and basic numerical capacities: a study of 8-9-year-old students. *Cognition* 2004, 93:99-125.

[Langer N](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Langer%20N%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Peysakhovich B](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Peysakhovich%20B%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Zuk J](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Zuk%20J%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Drottar M](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Drottar%20M%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Sliva DD](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Sliva%20DD%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Smith S](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Smith%20S%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Becker BL](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Becker%20BL%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Grant PE](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Grant%20PE%5BAuthor%5D&cauthor=true&cauthor_uid=26643353), [Gaab N](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Gaab%20N%5BAuthor%5D&cauthor=true&cauthor_uid=26643353). White Matter Alterations in Infants at Risk for Developmental Dyslexia. Cereb Cortex. 2017 Feb 1;27(2):1027-1036. doi: 10.1093/cercor/bhv281.

Lee JC, Nopoulos PC, Bruce Tomblin J. Abnormal subcortical components of the corticostriatal system in young adults with DLI: a combined structural MRI and DTI study. Neuropsychologia 2013 Sep;51(11):2154-61.$

Liégeois F, Mayes A, Morgan A. [Neural Correlates of Developmental Speech and Language Disorders: Evidence from Neuroimaging.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/25057455/?from_sort=date&from_term=Li%C3%A9geois+F&from_cauthor_id=25057455&from_pos=1) Curr Dev Disord Rep. 2014 Jun 7;1(3):215-227.

Linkersdörfer J, Lonnemann J, Lindberg S, Hasselhorn M, Fiebach CJ. Gray matter alterations co-localize with functional abnormalities in developmental dyslexia: an ALE meta-analysis. PLoS One 2012; 7 (8): e43122. doi: 10.1371 / journal.pone.0043122. Epub 2012 Aug

Lobier MA, Peyrin C, Pichat C, Le Bas JF, Valdois S. Visual processing of multiple elements in the dyslexic brain: evidence for a superior parietal dysfunction. Front Hum Neurosci 2014 Jul 7;8:479.

Mariën P, de Smet E, de Smet HJ, Wackenier P, Dobbeleir A, Verhoeven J. "Apraxic dysgraphia" in a 15-year-old left-handed patient: disruption of the cerebello-cerebral network involved in the planning and execution of graphomotor movements. Cerebellum. 2013 Feb;12(1):131-9.

Mayes AK, Reilly S, Morgan AT. Neural correlates of childhood language disorder: a systematic review. Dev Med Child Neurol 2015 Aug;57(8):706-17.

McCloskey M, Rapp B. [Developmental dysgraphia: An overview and framework for research.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/28906176/?from_term=dyslexia+dysgraphia&from_sort=date&from_page=4&from_pos=3) Cogn Neuropsychol 2017 May-Jun;34(3-4):65-82.

Molinaro, N., Lizarazu, M., Lallier, M., Bourguignon, M., and Carreiras, M. (2016). Out-of-synchrony speech entrainment in developmental dyslexia. *Hum. Brain Mapp.* 37, 2767–2783.

Moll K, Göbel SM, Gooch D, Landerl K, Snowling MJ. [Cognitive Risk Factors for Specific Learning Disorder: Processing Speed, Temporal Processing, and Working Memory.](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/25124507) J Learn Disabil. 2016 May-Jun;49(3):272-81.

Moore LH, Brown WS, Markee TE, Theberge DC, Zvi JC. **Bimanual** **coordination** in **dyslexic** **adults**. Neuropsychologia 1995 Jun;33(6):781-93.

Morken F, Helland T, Hugdahl K, Specht K. [Reading in dyslexia across literacy development: A longitudinal study of effective connectivity.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/27688204/?from_term=dyslexia+connectome&from_sort=date&from_pos=9)  Neuroimage. 2017 Jan 1;144(Pt A):92-100.

Nicolson RI, & Fawcett AJ. Comparison of deficits in cognitive and motor skills among children with dyslexia. Annals of Dyslexia 1994 ; 44, 147-164.

Nicolson RI, Fawcett AJ. Developmental dyslexia: The role of the cerebellum. Dyslexia 1999; 5(3), 155-177.

Nicolson, R. I., Fawcett, A. J., & Dean, P. (2001). Developmental dyslexia: the cerebellar deficit hypothesis. Trends in Neurosciences, 24(9), 508-511.

Nicolson, R. I., Fawcett, A. J., Berry, E. L., Jenkins, I. H., Dean, P., & Brooks, D. J. (1999). Association of abnormal cerebellar activation with motor learning difficulties in dyslexic adults. The Lancet, 353(9165), 1662–1667.

Norton ES, Beach SD, Gabrieli JD. [Neurobiology of dyslexia.](http://www.ncbi.nlm.nih.gov.gate1.inist.fr/pubmed/25290881) *Curr Opin Neurobiol* 2014 Oct 4;30C:73-78.

Palmis S, Velay JL, Fabiani E, Nazarian B, Anton JL, Habib M, Kandel S, Longcamp M. [The impact of spelling regularity on handwriting production: A coupled fMRI and kinematics study.](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/30640140) Cortex. 2019 Apr;113:111-127

Paul LK. Developmental malformation of the corpus callosum: A review of typical callosal development and examples of developmental disorders with callosal involvement. *Journal of Neurodevelopmental Disorders* . 2011; *3*(1), 3– 27.

Pernet CR, Poline JB, Demonet JF, Rousselet GA. Brain classification reveals the right cerebellum as the best biomarker of dyslexia. BMC Neurosci. 2009;10.

Peters L, De Smedt B. [Arithmetic in the developing brain: A review of brain imaging studies.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/28566139/?from_sort=date&from_term=Peters+L&from_cauthor_id=28566139&from_pos=1) Dev Cogn Neurosci. 2018 Apr;30:265-279.

Peyre H, Gérard CL, Dupong Vanderhorst I, Larger S, Lemoussu C, Vesta J, Bui Quoc E, Gouleme N, Delorme R, Bucci MP. Computerized oculomotor training in dyslexia: A randomized, crossover clinical trial in pediatric population . Encephale 2018 Jun; 44(3):247-255. Epub 2017 Jun 1.

Peyrin C, Démonet JF, N'Guyen-Morel MA, Le Bas JF, Valdois S. Superior parietal lobule dysfunction in a homogeneous group of dyslexic children with a visual attention span disorder. Brain Lang. 2011 Sep;118(3):128-38.

Peyrin C, Lallier M, Démonet JF, Pernet C, Baciu M, Le Bas JF, Valdois S. [Neural dissociation of phonological and visual attention span disorders in developmental dyslexia: FMRI evidence from two case reports.](https://www.ncbi.nlm.nih.gov/pubmed/22285025) Brain Lang 2012 Mar;120(3):381-94.

Raberger T, & Wimmer H. On the automaticity/cerebellar deficit hypothesis of dyslexia: balancing and continuous rapid naming in dyslexic and ADHD children. *Neuropsychologia* 2003; *41*(11): 1493-1497.

Raddatz J, Kuhn JT, Holling H, Moll K, Dobel C. [Comorbidity of Arithmetic and Reading Disorder.](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/26772796) J Learn Disabil. 2017 May/Jun;50(3):298-308

Rae C, Harasty JA, Dzendrowskyj TE, Talcott JB, Simpson JM, Blamire AM, et al. Cerebellar morphology in developmental dyslexia. Neuropsychologia. 2002;40(8):1285–92.

Ramus F, Pidgeon E, & Frith U. The relationship between motor control and phonology in dyslexic children. *Journal of Child Psychology and Psychiatry* 2003; *44*(5): 712-722.

Ramus F, Szenkovits G. What phonological deficit? Q. J. Exp. Psychol. (Hove) 2008; 61 (1), 129–141.

Richards TL, Berninger VW, Yagle KJ, Abbott RD, Peterson DJ. Changes in DTI Diffusivity and fMRI Connectivity Cluster Coefficients for Students with and without Specific Learning Disabilities In Written Language: Brain's Response to Writing Instruction. J Nat Sci. 2017 Apr;3(4):e350.

Richlan F, Kronbichler M, & Wimmer H. Meta-analyzing brain dysfunctions in dyslexic children and adults. *Neuroimage* 2011; *56*, 1735-1742.

Richlan F. The Functional Neuroanatomy of Letter-Speech Sound Integration and Its Relation to Brain Abnormalities in Developmental Dyslexia. Front Hum Neurosci. 2019 Feb 1;13:21.

Robichon F, Habib M. Abnormal callosal morphology in dyslexics: relationships to handedness and phonological abilities. Brain Lang 1998 Mar; 62 (1): 127-46.

Robichon F, Habib M. Abnormal callosal morphology in male adult dyslexics : relationships to handedness and phonological abilities. Brain and Language 1998; 62: 127‐146.

Roux S, McKeeff T J, Grosjacques G, Afonso O, Kandel S. The interaction between central and peripheral processes in handwriting production. *Cognition* 2013 ; *127*(2), 235–241.

Rusconi E, Pinel P, Eger E, LeBihan D, Thirion B, Dehaene S, Kleinschmidt A. A disconnection account of Gerstmann syndrome: functional neuroanatomy evidence. Ann Neurol 2009 Nov;66(5):654-62. doi: 10.1002/ana.21776.

Rüsseler J, Ye Z, Gerth I, Szycik GR, Münte TF. Audio-visual speech perception in adult readers with dyslexia: an fMRI study. Brain Imaging Behav. 2018 Apr;12(2):357-368

Rykhlevskaia E, Uddin LQ, Kondos L, Menon V. Neuroanatomical correlates of developmental dyscalculia: Combined evidence from morphometry and tractography. Front Hum Neurosci. 2009 Nov 24;3:51.

Sexton CC, Gelhorn HL, Bell JA, Classi PM. The co-occurrence of reading disorder and ADHD: epidemiology, treatment, psychosocial impact, and economic burden. J Learn Disabil. 2012;45:538–564.

Shaywitz S, Shaywitz B, Wietecha L, Wigal S, McBurnett K, Williams D, Kronenberger WG, Hooper SR. Effect of Atomoxetine Treatment on Reading and Phonological Skills in Children with Dyslexia or Attention-Deficit/Hyperactivity Disorder and Comorbid Dyslexia in a Randomized, Placebo-Controlled Trial.

Snowling M, Bishop DV, Stothard SE. Is preschool language impairment a risk factor for dyslexia in adolescence? J Child Psychol Psychiatry. 2000 Jul;41(5):587-600.

Stoodley CJ, Fawcett AJ, Nicolson RI, Stein JF. Balancing and pointing tasks in dyslexic and control adults. Dyslexia. 2006 Nov;12(4):276-88.

Stoodley CJ, Stein JF. [Cerebellar function in developmental dyslexia.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/22851215/)  Cerebellum. 2013 Apr;12(2):267-76. doi: 10.1007/s12311-012-0407-1.

Stoodley, C. J., Fawcett, A. J., Nicolson, R. I., & Stein, J. F. (2006). Balancing and pointing tasks in dyslexic and control adults. Dyslexia, 12(4), 276-288.

Sutcubasi B, Metin B, Kurban MK, Metin ZE, Beser B, Sonuga-Barke E. Resting-state network dysconnectivity in ADHD: A system-neuroscience-based meta-analysis. World J Biol Psychiatry. 2020 May 29:1-74.

Turkeltaub PE, Gareau L, Flowers DL, Zeffiro TA, & Eden GF. Development of neural mechanisms for reading. *Nature Neuroscience* 2003; *6*, 767-773.

Valdois S, Bosse ML, Tainturier MJ. The cognitive deficits responsible for developmental dyslexia: review of evidence for a selective visual attentional disorder. Dyslexia 2004 Nov; 10(4):339-63.

Valdois S, Guinet E, & Embs JL. EVADYS : outil de diagnostic des troubles de l'empan VA. Isbergues, France : Ortho-Editions, 2014.

Valdois S, Habib M, Cohen L. The reader brain: natural and cultural story. Rev Neurol (Paris). 2008 May;164 Suppl 3:S77-82

Valdois S, Peyrin C, Lassus-Sangosse D, Lallier M, Démonet JF, Kandel S. [Dyslexia in a French-Spanish bilingual girl: behavioural and neural modulations following a visual attention span intervention.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/24508158/?from_term=valdois+spanish&from_sort=date&from_pos=3) Cortex. 2014 Apr; 53:120-45. doi: 10.1016/j.cortex.2013.11.006. Epub 2013 Dec 1.

Van Beek L, Ghesquière P, Lagae L, De Smedt B. Left fronto-parietal white matter correlates with individual differences in children’s ability to solve additions and multiplications: a tractography study. Neuroimage. 2014 Apr 15;90:117-27.

van der Mark S, Klaver P, Bucher K, Maurer U, Schulz E, Brem S, Martin E, Brandeis D. (2011). The left occipitotemporal system in reading: disruption of focal fMRI connectivity to left inferior frontal and inferior parietal language areas in children with dyslexia. Neuroimage. 2011 Feb 1;54(3):2426-36.

van Ewijk H. Diffusion tensor imaging in attention deficit/hyperactivity disorder: a systematic review and meta-analysis. Neurosci. Biobehav. Rev2012 :36, 1093–1106.

van Oers CAMM, Goldberg N, Fiorin G, van den Heuvel MP, Kappelle LJ, Wijnen FNK. [No evidence for cerebellar abnormality in adults with developmental dyslexia.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/30116863/?from_term=dyslexia+cerebellum&from_sort=date&from_pos=9) Exp Brain Res. 2018 Nov;236(11):2991-3001.

Vanderauwera J, Altarelli I, Vandermosten M, De Vos, Wouters J, Ghesquière P. Atypical Structural Asymmetry of the Temporary Planum is Related to Family History of Dyslexia. Cereb Cortex 2018 Jan. 1; 28 (1): 63-72.

Vandermosten M, Boets B, Poelmans H, Sunaert S, Wouters J, & Ghesquière P. tractography study in dyslexia: Neuroanatomic correlates of orthographic, phonological and speech processing. Brain 2012; A 135(3), 935–948.

[Vandermosten M](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Vandermosten%20M%5BAuthor%5D&cauthor=true&cauthor_uid=28558269), [Cuynen L](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Cuynen%20L%5BAuthor%5D&cauthor=true&cauthor_uid=28558269), [Vanderauwera J](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Vanderauwera%20J%5BAuthor%5D&cauthor=true&cauthor_uid=28558269), [Wouters J](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Wouters%20J%5BAuthor%5D&cauthor=true&cauthor_uid=28558269), [Ghesquière P](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Ghesqui%C3%A8re%20P%5BAuthor%5D&cauthor=true&cauthor_uid=28558269). White matter pathways mediate parental effects on children's reading precursors. Brain Lang 2017 Oct;173:10-19. doi: 10.1016/j.bandl.2017.05.002. Epub 2017 May 27.

Vandermosten M, Vanderauwera J, Theys C, De Vos A, Vanvooren S, Sunaert S, Wouters J, Ghesquière P. A DTI tractography study in pre-readers at risk for dyslexia.Dev Cogn Neurosci. 2015 Aug;14:8-15.

Verhoeven JS, Rommel N, Prodi E, Leemans A, Zink I, Vandewalle E, Noens I, Wagemans J, Steyaert J, Boets B, Van de Winckel A, De Cock P, Lagae L, Sunaert S. Is there a common neuroanatomical substrate of language deficit between autism spectrum disorder and specific language impairment? Cereb Cortex. 2012 Oct;22(10):2263-71.

Verly M, Gerrits R, Sleurs C, Lagae L, Sunaert S, Zink I, Rommel N. T[he mis-wired language network in children with developmental language disorder: insights from DTI tractography.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/29934818/?from_term=Structural+alterations+of+the+language+connectome&from_sort=date&from_page=2&from_pos=3) Brain Imaging Behav. 2019 Aug;13(4):973-984.

Vydrova R, Komarek V, Sanda J, Sterbova K, Jahodova A, Maulisova A, Zackova J, Reissigova J, Krsek P, Kyncl M. [Structural alterations of the language connectome in children with specific language impairment.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/26609941/?from_term=Structural+alterations+of+the+language+connectome&from_sort=date&from_page=2&from_pos=10) Brain Lang. 2015 Dec;151:35-41.

Wahlberg-Ramsay M, Nordström M, Salkic J, Brautaset R. Evaluation of aspects of binocular vision in children with dyslexia. *Strabismus 2012 Dec; 20(4):139-44.*

Wang Y, Mauer MV, Raney T, Peysakhovich B, Becker BLC, Sliva DD, & Gaab N. Development of tract-specific white matter pathways during early reading development in at-risk children and typical controls. Cerebral Cortex 2017; 27(4), 2469–2485.

[Willcutt EG](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Willcutt%20EG%5BAuthor%5D&cauthor=true&cauthor_uid=23449727), [Petrill SA](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Petrill%20SA%5BAuthor%5D&cauthor=true&cauthor_uid=23449727), [Wu S](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Wu%20S%5BAuthor%5D&cauthor=true&cauthor_uid=23449727), [Boada R](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Boada%20R%5BAuthor%5D&cauthor=true&cauthor_uid=23449727), [Defries JC](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Defries%20JC%5BAuthor%5D&cauthor=true&cauthor_uid=23449727), [Olson RK](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Olson%20RK%5BAuthor%5D&cauthor=true&cauthor_uid=23449727), [Pennington BF](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/?term=Pennington%20BF%5BAuthor%5D&cauthor=true&cauthor_uid=23449727). Comorbidity between reading disability and math disability: concurrent psychopathology, functional impairment, and neuropsychological functioning. [J Learn Disabil.](https://www-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/pubmed/23449727) 2013 Nov-Dec;46(6):500-16.

Williams, D. M., & Lind, S. E. (2013). Comorbidity and diagnosis of developmental disorders: What do we know and what do we need to know. In C. Marshall (Ed.), Current issues in developmental psychology (pp. 19–45). Hove: Psychology Press.

Wilson PH, Smits-Engelsman B, Caeyenberghs K, Steenbergen B, Sugden D, Clark J, Mumford N, Blank R. [Cognitive and neuroimaging findings in developmental coordination disorder: new insights from a systematic review of recent research.](https://pubmed-ncbi-nlm-nih-gov.insb.bib.cnrs.fr/28872667/?from_sort=date&from_term=Wilson+PH&from_cauthor_id=28872667&from_pos=1) Dev Med Child Neurol. 2017 Nov;59(11):1117-1129.

Wimmer H, Mayringer H, Raberger T. Reading and dual-task balancing: Evidence against the automatization deficit explanation of developmental dyslexia. J Learn Disabil. 1999 Sep-Oct;32(5):473-8.

Wu, Y.H., Gau, S.S., Lo, Y.C., & Tseng, W.Y. (2012). White matter tract integrity of frontostriatal circuit in attention deficit hyperactivity disorder : Association with attention performance and symptoms. *Human Brain Mapping,* 30 août. doi : 10.1002/hbm.22169.

Ziegler J C, Pech-Georgel C, Dufau S, and Grainger J. Rapid processing of letters, digits and symbols: what purely visual-attentional deficit in developmental dyslexia? *Dev Sci* 2010; 13, F8–F14. doi: 10.1111/j.1467-7687.2010.00983.x

Zoubrinetzky R, Collet G, Nguyen-Morel MA, Valdois S, Serniclaes W. Remediation of Allophonic Perception and Visual Attention Span in Developmental Dyslexia: A Joint Assay. Front Psychol 2019; 10:1502.