|  |  |
| --- | --- |
|  |  Studies Included in the Concept Analysis |
| 1  | Ali M, Lyden P, Brady M. Aphasia and Dysarthria in Acute Stroke: Recovery and Functional Outcome. Int J Stroke. 2015;10(3):400-6. |
| 2 | Ambridge L, Leff A, Crinion J, Price C. Predicting language outcome and recovery after stroke. Bulletin: Royal College of Speech & Language Therapists. 2010(702):12-5. |
| 3 | Anglade C, Thiel A, Ansaldo AI. The complementary role of the cerebral hemispheres in recovery from aphasia after stroke: A critical review of literature. Brain Injury. 2014;28(2):138-45. |
| 4 | Barrett AM, Hamilton RH. Drawing on the right brain for aphasia recovery. Neurology. 2016;86(17):1566-7. |
| 5 | Berthier ML, García-Casares N, Walsh SF, Nabrozidis A, Ruíz de Mier RJ, Green C, et al. Recovery from post-stroke aphasia: lessons from brain imaging and implications for rehabilitation and biological treatments. Discov Med. 2011;12(65):275-89. |
| 6 | Brownsett SL, Warren JE, Geranmayeh F, Woodhead Z, Leech R, Wise RJ. Cognitive control and its impact on recovery from aphasic stroke. Brain. 2014;137(Pt 1):242-54. |
| 7 | Cahana-Amitay D, Albert ML. Neuroscience of aphasia recovery: the concept of neural multifunctionality. Curr Neurol Neurosci Rep. 2015;15(7):41. |
| 8 | Campana S, Caltagirone C, Marangolo P. Combining Voxel-based Lesion-symptom Mapping (VLSM) With A-tDCS Language Treatment: Predicting Outcome of Recovery in Nonfluent Chronic Aphasia. Brain Stimul. 2015;8(4):769-76. |
| 9 | Carlomagno S, Zulian N, Razzano C, De Mercurio I, Marini A. Coverbal gestures in the recovery from severe fluent aphasia: a pilot study. J Commun Disord. 2013;46(1):84-99. |
| 10 | Corallo F, De Cola MC, Lo Buono V, Cammaroto S, Marra A, Manuli A, et al. Recovery of Severe Aphasia After Cranioplasty: Considerations on a Case Study. Rehabil Nurs. 2019. |
| 11 | Crijnen YS, Nouwens F, de Lau LM, Visch-Brink EG, van de Sandt-Koenderman MW, Berkhemer OA, et al. Early effect of intra-arterial treatment in ischemic stroke on aphasia recovery in MR CLEAN. Neurology. 2016;86(22):2049-55. |
| 12 | Dammekens E, Vanneste S, Ost J, De Ridder D. Neural correlates of high frequency repetitive transcranial magnetic stimulation improvement in post-stroke non-fluent aphasia: a case study. Neurocase (Psychology Press). 2014;20(1/2):1-9. |
| 13 | de Boer RGA, Spielmann K, Heijenbrok-Kal MH, van der Vliet R, Ribbers GM, van de Sandt-Koenderman WME. The Role of the BDNF Val66Met Polymorphism in Recovery of Aphasia After Stroke. Neurorehabil Neural Repair. 2017;31(9):851-7. |
| 14 | Doogan C, Dignam J, Copland D, Leff A. Aphasia Recovery: When, How and Who to Treat? Curr Neurol Neurosci Rep. 2018;18(12):90. |
| 15 | El Hachioui H, Lingsma HF, van de Sandt-Koenderman ME, Dippel DW, Koudstaal PJ, Visch-Brink EG. Recovery of aphasia after stroke: a 1-year follow-up study. J Neurol. 2013;260(1):166-71. |
| 16 | Ellis C, Urban S. Age and aphasia: a review of presence, type, recovery and clinical outcomes. Top Stroke Rehabil. 2016;23(6):430-9. |
| 17 | Esots J. When words fail a summary of aphasia: incorporating background memoir accounts. Australian Nursing & Midwifery Journal. 2016;23(11):34-6. |
| 18 | Fonseca J, Raposo A, Martins IP. Cognitive performance and aphasia recovery. Topics in Stroke Rehabilitation. 2018;25(2):131-6. |
| 19 | Forkel SJ, Catani M. Lesion mapping in acute stroke aphasia and its implications for recovery. Neuropsychologia. 2018;115:88-100. |
| 20 | Forkel SJ, Thiebaut de Schotten M, Dell'Acqua F, Kalra L, Murphy DGM, Williams SCR, et al. Anatomical predictors of aphasia recovery: a tractography study of bilateral perisylvian language networks. Brain: A Journal of Neurology. 2014;137(7):2027-39. |
| 21 | Fridriksson J, Baker JM, Richardson JD. What can neuroimaging tell us about aphasia recovery? ASHA Leader. 2010;15(8):10-3. |
| 22 | Fridriksson J, Richardson JD, Fillmore P, Cai B. Left hemisphere plasticity and aphasia recovery. Neuroimage. 2012;60(2):854-63. |
| 23 | Furlanis G, Ridolfi M, Polverino P, Menichelli A, Caruso P, Naccarato M, et al. Early Recovery of Aphasia through Thrombolysis: The Significance of Spontaneous Speech. J Stroke Cerebrovasc Dis. 2018;27(7):1937-48. |
| 24 | Geranmayeh F, Brownsett SLE, Wise RJS. Task-induced brain activity in aphasic stroke patients: what is driving recovery? Brain: A Journal of Neurology. 2014;137(10):2632-48. |
| 25 | Gilbert TT, Gilbert MR, Culpepper L, Wilkinson JE. Voices of recovery: a family physician's experience of aphasia. Fam Med. 2013;45(3):201-4. |
| 26 | Glize B, Bigourdan A, Villain M, Munsch F, Tourdias T, de Gabory I, et al. Motor evoked potential of upper-limbs is predictive of aphasia recovery. Aphasiology. 2019;33(1):105-20. |
| 27 | Hamilton RH, Chrysikou EG, Coslett B. Mechanisms of aphasia recovery after stroke and the role of noninvasive brain stimulation. Brain Lang. 2011;118(1-2):40-50. |
| 28 | Hartwigsen G, Saur D. Neuroimaging of stroke recovery from aphasia - Insights into plasticity of the human language network. Neuroimage. 2019;190:14-31. |
| 29 | Hartwigsen G, Siebner HR. Novel methods to study aphasia recovery after stroke. Front Neurol Neurosci. 2013;32:101-11. |
| 30 | Hillis AE, Hillis AE. The 'standard' for poststroke aphasia recovery. Stroke (00392499). 2010;41(7):1316-7. |
| 31 | Hillis AE, Beh YY, Sebastian R, Breining B, Tippett DC, Wright A, et al. Predicting recovery in acute poststroke aphasia. Annals of Neurology. 2018;83(3):612-22. |
| 32 | Hodgson JC, Benattayallah A, Hodgson TL. The role of the dominant versus the non-dominant hemisphere: An fMRI study of Aphasia recovery following stroke. Aphasiology. 2014;28(12):1426-47. |
| 33 | Jang SH, Cho IT, Lim JW. Recovery of aphasia and change of injured arcuate fasciculus in the dominant hemisphere in stroke patients. NeuroRehabilitation. 2017;41(4):759-64. |
| 34 | Kremer C, Kappelin J, Perren F. Dissociation of severity of stroke and aphasia recovery early after intravenous recombinant tissue plasminogen activator thrombolysis. J Clin Neurosci. 2014;21(10):1828-30. |
| 35 | Kwon HG, Jang SH. Excellent recovery of aphasia in a patient with complete injury of the arcuate fasciculus in the dominant hemisphere. NeuroRehabilitation. 2011;29(4):401-4. |
| 36 | Laures-Gore JS, Lambert PL, Kruger AC, Love J, Davis DE, Jr. Spirituality and Post-Stroke Aphasia Recovery. J Relig Health. 2018;57(5):1876-88. |
| 37 | López-Barroso D, de Diego-Balaguer R. Language Learning Variability within the Dorsal and Ventral Streams as a Cue for Compensatory Mechanisms in Aphasia Recovery. Front Hum Neurosci. 2017;11:476. |
| 38 | Marangolo P, Caltagirone C. Options to enhance recovery from aphasia by means of non-invasive brain stimulation and action observation therapy. Expert Rev Neurother. 2014;14(1):75-91. |
| 39 | McKinnon ET, Fridriksson J, Glenn GR, Jensen JH, Helpern JA, Basilakos A, et al. Structural plasticity of the ventral stream and aphasia recovery. Annals of Neurology. 2017;82(1):147-51. |
| 40 | Mehrpour M, Motamed MR, Aghaei M, Jalali N, Ghoreishi Z. Unusual recovery of aphasia in a polyglot Iranian patient after ischemic stroke. Basic Clin Neurosci. 2014;5(2):173-5. |
| 41 | Meier EL, Johnson JP, Pan Y, Kiran S. A lesion and connectivity-based hierarchical model of chronic aphasia recovery dissociates patients and healthy controls. Neuroimage Clin. 2019;23:101919. |
| 42 | Meinzer M, Harnish S, Conway T, Crosson B. Recent developments in functional and structural imaging of aphasia recovery after stroke. Aphasiology. 2011;25(3):271-90. |
| 43 | Nouwens F, de Jong-Hagelstein M, de Lau LML, Dippel DWJ, Koudstaal PJ, van de Sandt-Koenderman WME, et al. Severity of aphasia and recovery after treatment in patients with stroke. Aphasiology. 2014;28(10):1168-77. |
| 44 | Pringle J, Hendry C, McLafferty E, Drummond J. Stroke survivors with aphasia: personal experiences of coming home. British Journal of Community Nursing. 2010;15(5):241-7. |
| 45 | Schlaug G, Marchina S, Wan CY. The use of non-invasive brain stimulation techniques to facilitate recovery from post-stroke aphasia. Neuropsychol Rev. 2011;21(3):288-301. |
| 46 | Schlaug G, Norton A, Marchina S, Zipse L, Wan CY. From singing to speaking: facilitating recovery from nonfluent aphasia. Future Neurol. 2010;5(5):657-65. |
| 47 | Shah PP, Szaflarski JP, Allendorfer J, Hamilton RH. Induction of neuroplasticity and recovery in post-stroke aphasia by non-invasive brain stimulation. Front Hum Neurosci. 2013;7:888. |
| 48 | Smania N, Gandolfi M, Aglioti SM, Girardi P, Fiaschi A, Girardi F. How Long Is the Recovery of Global Aphasia? Twenty-Five Years of Follow-up in a Patient With Left Hemisphere Stroke. Neurorehabilitation & Neural Repair. 2010;24(9):871-5. |
| 49 | Stark JA. Long-term analysis of chronic Broca's aphasia: an illustrative single case. Seminars in Speech & Language. 2010;31(1):5-20. |
| 50 | Stefaniak JD, Halai AD, Lambon Ralph MA. The neural and neurocomputational bases of recovery from post-stroke aphasia. Nature Reviews Neurology. 2020;16(1):43-55. |
| 51 | Sul B, Kim JS, Hong BY, Lee KB, Hwang WS, Kim YK, et al. The Prognosis and Recovery of Aphasia Related to Stroke Lesion. Ann Rehabil Med. 2016;40(5):786-93. |
| 52 | Sul B, Lee KB, Hong BY, Kim JS, Kim J, Hwang WS, et al. Association of Lesion Location With Long-Term Recovery in Post-stroke Aphasia and Language Deficits. Front Neurol. 2019;10:776. |
| 53 | Szaflarski JP, Allendorfer JB, Banks C, Vannest J, Holland SK. Recovered vs. not-recovered from post-stroke aphasia: the contributions from the dominant and non-dominant hemispheres. Restor Neurol Neurosci. 2013;31(4):347-60. |
| 54 | Szaflarski JP, Eaton K, Ball AL, Banks C, Vannest J, Allendorfer JB, et al. Poststroke aphasia recovery assessed with functional magnetic resonance imaging and a picture identification task. Journal of Stroke & Cerebrovascular Diseases. 2011;20(4):336-45. |
| 55 | Thiel A, Black SE, Rochon EA, Lanthier S, Hartmann A, Chen JL, et al. Non-invasive repeated therapeutic stimulation for aphasia recovery: a multilingual, multicenter aphasia trial. J Stroke Cerebrovasc Dis. 2015;24(4):751-8. |
| 56 | Thiel A, Hartmann A, Rubi-Fessen I, Anglade C, Kracht L, Weiduschat N, et al. Effects of noninvasive brain stimulation on language networks and recovery in early poststroke aphasia. Stroke (00392499). 2013;44(8):2240-6. |
| 57 | Turkeltaub PE. Brain Stimulation and the Role of the Right Hemisphere in Aphasia Recovery. Curr Neurol Neurosci Rep. 2015;15(11):72. |
| 58 | Turkeltaub PE, Coslett HB, Thomas AL, Faseyitan O, Benson J, Norise C, et al. The right hemisphere is not unitary in its role in aphasia recovery. Cortex: A Journal Devoted to the Study of the Nervous System & Behavior. 2012;48(9):1179-86 |
| 59 | Ulm L, Copland D, Meinzer M. A new era of systems neuroscience in aphasia? Aphasiology. 2018;32(7):742-64. |
| 60 | van Oers CA, Vink M, van Zandvoort MJ, van der Worp HB, de Haan EH, Kappelle LJ, et al. Contribution of the left and right inferior frontal gyrus in recovery from aphasia. A functional MRI study in stroke patients with preserved hemodynamic responsiveness. Neuroimage. 2010;49(1):885-93. |
| 61 | van Oers C, van der Worp HB, Kappelle LJ, Raemaekers MAH, Otte WM, Dijkhuizen RM. Etiology of language network changes during recovery of aphasia after stroke. Sci Rep. 2018;8(1):856. |
| 62 | Villard S. Potential Implications of Attention Deficits for Treatment and Recovery in Aphasia. Perspectives of the ASHA Special Interest Groups. 2017;2(2):7-14. |
| 63 | Wallace SJ, Worrall L, Rose T, Le Dorze G, Cruice M, Isaksen J, et al. Which outcomes are most important to people with aphasia and their families? an international nominal group technique study framed within the ICF. Disability & Rehabilitation. 2017;39(14):1364-79. |
| 64 | Watila MM, Balarabe SA. Factors predicting post-stroke aphasia recovery. J Neurol Sci. 2015;352(1-2):12-8. |
| 65 | Wilson SM, Eriksson DK, Brandt TH, Schneck SM, Lucanie JM, Burchfield AS, et al. Patterns of Recovery From Aphasia in the First 2 Weeks After Stroke. Journal of Speech, Language & Hearing Research. 2019;62(3):723-32. |
| 66 | Wortman-Jutt S, Edwards D. Poststroke Aphasia Rehabilitation: Why All Talk and No Action? Neurorehabilitation & Neural Repair. 2019;33(4):235-44. |
| 67 | Wortman-Jutt S, Edwards DJ. Transcranial Direct Current Stimulation in Poststroke Aphasia Recovery. Stroke (00392499). 2017;48(3):820-6. |
| 68 | Yagata SA, Yen M, McCarron A, Bautista A, Lamair-Orosco G, Wilson SM. Rapid recovery from aphasia after infarction of Wernicke’s area. Aphasiology. 2017;31(8):951-80. |
| 69 | Yu Q, Wang H, Li S, Dai Y, Rosca EC. Predictive role of subcomponents of the left arcuate fasciculus in prognosis of aphasia after stroke: A retrospective observational study. Medicine. 2019;98(23):e15775-e. |
| 70 | Yu Q, Yang W, Liu Y, Wang H, Chen Z, Yan J. Changes in the corpus callosum during the recovery of aphasia: A case report. Medicine. 2018;97(22):e11155. |
| 71 | Zhou Q, Lu X, Zhang Y, Sun Z, Li J, Zhu Z. Telerehabilitation Combined Speech-Language and Cognitive Training Effectively Promoted Recovery in Aphasia Patients. Front Psychol. 2018;9:2312. |