# AGE ISSUES IN SECOND LANGUAGE LEARNING:

# SELECTED REFERENCES

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Abrahamsson, N., & Hyltenstam, K. (2009). Age of onset and nativelikeness in a second language: Listener perception versus linguistic scrutiny. *Language Learning, 59*, 249-306.

Abrahamsson, N. (2012). Age of onset and nativelike L2 ultimate attainment of morphosyntactic and phonetic intuition. *Studies in Second Language Acquisition, 34,* 187-214.

Abutalebi, J., Cappa, S. F., & Perani, D. (2005). What can functional neuroimaging tell us about the bilingual brain? In J. F. Kroll & A. M. B. de Groot (Eds.), *Handbook of bilingualism: Psycholinguistic approaches* (pp. 497–515)*.* New York, NY: Oxford University Press.

Al-Thubaiti, K. (2007). *Age effects on the ultimate attainment of proficient Arabic speakers of English.* Unpublished master's of research dissertation, Essex University, Colchester, UK.

# Álvarez, E. (2006). Rate and route of acquisition in EFL narrative development at different ages. In C. Muñoz (Ed.), *Age and the rate of foreign language learning* (pp. 127–155). Clevedon, UK: Multilingual Matters.

Asher, J. J., & Garcia, R. (1969). The optimal age to learn a foreign language. *Modern Language Journal, 53*, 334-341.

Asher, J. J., & Price, B. S. (1967). The learning strategy of the total physical response: Some age differences. *Child Development, 38*(4), 1219-1227.

Ausubel, D. P. (1964). Adults versus children in second‐language learning: Psychological Considerations. *The Modern Language Journal*, *48*(7), 420-424.

Backman, L., & Farde, L. (2005). The role of dopamine systems in cognitive aging. In R. Cabeza, L. Nyberg, & D. Park (Eds.), *Cognitive neuroscience of aging: Linking cognitive and cerebral aging* (pp. 58-84). New York, NY: Oxford University Press.

Bialystok, E., & Hakuta, K. (1999). Confounded age: Linguistic and cognitive factors in age differences for second language acquisition. In D. Birdsong (Ed.), *Second language acquisition and the critical period hypothesis* (pp. 161-181). Mahwah, NJ: Lawrence Erlbaum.'

Bialystok, E., & Miller, B. (1999). The problem of age in second-language acquisition: Influences from language, structure, and task. *Bilingualism: Language and Cognition, 2*(2), 127-145.

Birdsong, D. (1992). Ultimate attainment in second language acquisition. *Language, 68*(4), 706-755.

Birdsong, D. (1999). Introduction: Whys and why nots of the critical period hypothesis. In D. Birdsong (Ed.), *Second language acquisition and the critical period hypothesis* (pp. 1-22). Mahwah, NJ: Erlbaum.

Birdsong, D., & Molis, M. (2001). On the evidence for maturational constraints in second language acquisition. *Journal of Memory and Language, 44*, 235-249.

Birdsong, D. (2003). Authenticit´e de prononciation en francais L2 chez des apprenants tardifs anglophones: Analyses segmentales et globales. *Acquisition et Interaction en Langue E´ trange`re*, *18*, 17–36.

Birdsong, D. (2005). Interpreting age effects in second language acquisition. In J. F. Kroll & A. M. B. de Groot (Eds.), *Handbook of bilingualism: Psycholinguistic approaches* (pp. 109–127). New York: Oxford University Press.

Birdsong, D. (2006). Age and second language acquisition and processing: A selective overview. *Language Learning*, *56*(9), 9-38.

Birdsong, D. (2009). Age and the end state of second language acquisition. In W. Ritchie & T. Bhatia (Eds.), *The new handbook of second langugae acquisition* (pp. 401-424). Bingley: Emerlad Group.

Birdsong, D., & Molis, M. (2001). On the evidence for maturational constraints in second-language acquisition. *Journal of Memory and Language, 44*(2), 235-249.

Bley-Vroman, R. (1989). What is the logical problem of foreign language learning? In S. Gass & J. Schachter (Eds.), *Linguistic perspectives on second language acquisition* (pp. 41-68). Cambridge, UK: Cambridge University Press.

Bongaerts, T. (1999). Ultimate attainment in L2 pronunciation: The case of very advanced late L2 learners. In D. Birdsong (Ed.), *Second language acquisition and the critical period hypothesis* (pp. 133-159). Mahwah, NJ: Erlbaum.

Bortfeld, H., Leon, S. D., Bloom, J. E., Schober, M. F., & Brennan, S. E. (2001). Disfluency rates in conversation: Effects of age, relationship, topic, role, and gender. *Language and speech*, *44*(2), 123-147.

Boudreault, P., & Mayberry, R. I. (2006). Grammatical processing in American Sign Language: Age of first-language acquisition effects in relation to syntactic structure. *Language and Cognitive Process, 21*, 608-635.

Brown, C. (1985b). Requests for specific language input: Differences between older and younger adult language learners. In S. Gass & C. Madden (Eds.), *Input in second language acquisition* (pp. 272-284). Rowley: Newbury House.

Cenoz, J. (2002). Age differences in foreign language learning. *Review of Applied Linguistics, 13*, 125–142.

Cenoz, J. (2003). The influence of age on the acquisition of English: General proficiency, attitudes and code-mixing. In M. P. Garcı́a Mayo & M. L. Garcı́a Lecumberri (Eds.), *Age and the acquisition of English as a foreign language* (pp. 77-93). Clevedon: Multilingual Matters Ltd.

Clahsen, H., & Muysken, P. (1986). The availability of universal grammar to adult and child learners: A study of the acquisition of German word order. *Second Language Research, 2*(2), 93-119.

Courchesne, E., Chisum, H. J., Townsend, J., Cowles, A., Covington, J., Egaas, B., & Press, G. A. (2000). Normal brain development and aging: Quantitative analysis at in vivo MR imaging in healthy volunteers 1. *Radiology*, *216*(3), 672-682.

Cummins, J. (1979). Cognitive/academic language proficiency, linguistic interdependence, the optimum age question and some other matters. *Working Papers on Bilingualism,* *19*, 121–129.

Curtiss, S. (1977). *Genie: A psycholinguistic study of a modern-day ‘wild child.*’ New York, NY: Academic Press.

DeKeyser, R. (2000). The robustness of critical period effects in second language acquisition. *Studies in Second Language Acquisition, 22*(4), 499-533.

DeKeyser, R. (2006). A critique of recent arguments against the critical period hypothesis. In C. Abello-Contesse, R. Chacón-Beltrán, M. D. López-Jiménez & M. M. Torreblanca- López (Eds.), *Age in L2 acquisition and teaching* (pp. 49-58). New York, NY: Peter Lang.

DeKeyser, R., & Larson-Hall, J. (2005). What does the critical period really mean? In J. F. Kroll & A. M. B. de Groot (Eds.), *Handbook of bilingualism: Psycholinguistic approaches* (pp. 88-108). Oxford: Oxford University Press.

DeKeyser, R. M. (2013). Age effects in second language learning: Stepping stones toward better understanding. *Language Learning, 63,* 52-67.

De Bot, K., & Schrauf, R.W. (Eds.). (2009) Language development over the lifespan. New York, NY: Routledge.

Eckert, P. (1997). Age as a sociolinguistic variable. In F. Coulmas (Ed.), *The handbook of sociolinguistics* (pp. 149-167). Oxford, U.K.: Blackwell Publishers.

Eubank, L., & Gregg, K. (1999). Critical periods and (second) language acquisition: Divide et impera. In D. Birdsong (Ed.), *Second language acquisition and the critical period hypothesis* (pp. 65–99). Mahwah, NJ: Lawrence Erlbaum.

Flege, J., Yeni-Komshian, G., & Liu, S. (1999). Age constraints on second-language acquisition. *Journal of Memory and Language, 41*(1), 78-104.

Flege, J. E., & Liu, S. (2001). The effect of experience on adults' acquisition of a second language. *Studies in Second Language Acquisition 23,* 527-552.

Freeman, G. B., & Gibson, G. E. (1988). Dopamine, acetylcholine, and glutamate interactions in aging. Behavioral and neurochemical correlates. *Annals of the New York Academy of Sciences, 515*(1), 191-202.

Galda, D. (2009). "My words is big problem": The life and learning experiences of three elderly Eastern European refugees studying ESL at a community college. In K. M. Bailey & M. G. Santos, (Eds.). (2009). *Research on English as a second language in U.S. community colleges: People, programs and potential*. (pp. 12-141). Ann Arbor: University of Michigan Press.

García Lecumberri, M. L., & Gallardo, F. (2003). English FL sounds in school learners of different ages. In M. P. García Mayo & M. L. García Lecumberri (Eds.), *Age and the acquisition of English as a foreign language* (pp. 115–135). Clevedon: Multilingual Matters Ltd.

Garcı́a Mayo, M. P. (2003). Age, length of exposure and grammaticality judgements in the acquisition of English as a foreign language. In M. P. Garcı́a Mayo & M. L. Garcı́a Lecumberri (Eds.), *Age and the acquisition of English as a foreign language* (pp. 94-114). Clevedon: Multilingual Matters Ltd.

Garcı́a Mayo, M. P., & Garcı́a Lecumberri, M. L. (Eds.). (2003). *Age and the acquisition of English as a foreign language*. Clevedon: Multilingual Matters Ltd.

Golomb, J., Kluger, A., de Leon, M. J., Ferris, S. H., Convit, A., Mittelman, M. S., & George, A. E. (1994). Hippocampal formation size in normal human aging: A correlate of delayed secondary memory performance. *Learning & Memory*, *1*(1), 45-54.

Granena. G., & Long, M. (2013). Introduction and overview. In G. Garnena & M. Long (Eds.), *Sensitive periods, language aptitude, and ultimate L2 attainment* (pp. ix-xv)*.*Philadelphia, PA: John Benjamin.

Harley, B., & Hart, D. (1997). Language aptitude and second language proficiency in classroom learners of different starting ages. *Studies in Second Language Acquisition, 19*, 379-400.

Hellman, B. A. (2008). Vocabulary size and depth of word knowledge in adult-onset second language acquisition. *International Journal of Applied Linguistics, 21,* 162-182.

Ioup, G. (2005). Age in second language development. In E. Hinkel (Ed.), *Handbook of research in second language teaching and learning* (pp. 419-435). Mahwah, NJ: Lawrence Erlbaum Associates.

Itard, J, M.-G. (1962). *The wild boy of Aveyron (L’Enfant savage).* New York, NY: Meredith.

Johnson, J. S., & Newport, E. L. (1989). Critical period effects in second language learning: The influence of maturational state on the acquisition of English as a second language. *Cognitive Psychology, 21*(1), 60-99.

Johnson, J. S., & Newport, E. L. (1991). Critical period effects on universal properties of language: The status of subjacency in the acquisition of a second language. *Cognition, 39*(3), 215-258.

Johnson, J. S. (1992). Critical period effects in second language acquisition: The effect of written versus auditory materials on the assessment of grammatical competence*. Language Learning, 42*, 217-248.

Kim, R. (1993). A sensitive period for second language acquisition: A reaction time grammaticality judgment task with Korean-English bilinguals. *Issues and Developments in English and Applied Linguistics, 6,* 15-28.

Klein, W. (1995). Language acquisition at different ages. In D. Magnusson (Ed.), *The lifespan development of individuals: Behavioral, neurobiological, and psychosocial perspectives. A synthesis* (pp. 244-264). Cambridge, UK: Cambridge University Press.

Krashen, S. D., & Harshman, R. (1972). Lateralization and the critical period. *UCLA Working Papers in Phonetics, 23,* 13-21.

Krashen, S.D., Long, M.A., & Scarcella, R.C. (1979). Age, rate, and eventual attainment in second language acquisition. *TESOL Quarterly, 13*, 573-582.

Larson-Hall, J. (2008). Weighing the benefits of studying a foreign language at a younger starting age in a minimal input situation. *Second Language Research, 24*(1), 1-35.

Lasagabaster, D., & Doiz, A. (2003). Maturational constraints on foreign-language written production. In M. P. Garcı́a Mayo & M. L. Garcı́a Lecumberri (Eds.), *Age and the acquisition of English as a foreign language* (pp. 136–160). Clevedon: Multilingual Matters Ltd.

Li, S.-C., Lindenberger, U., & Sikström, S. (2001). Aging cognition: From neuromodulation to representation. *Trends in Cognitive Sciences*, *5*(11), 479-486.

Long, M. (2005). Problems with supposed counter-evidence to the critical period hypothesis. *International Review of Applied Linguistics in Language Teaching, 43*(4), 287-317.

Lupien, S. J., de Leon, M., De Santi, S., Convit, A., Tarshish, C., Nair, N. P. V. & Meaney, M. J. (1998). Cortisol levels during human aging predict hippocampal atrophy and memory deficits. *Nature Neuroscience*, *1*(1), 69-73.

Lupien, S., Lecours, A. R., Lussier, I., Schwartz, G., Nair, N. P., & Meaney, M. J. (1994). Basal cortisol levels and cognitive deficits in human aging. *The Journal of Neuroscience*, *14*(5), 2893-2903.

Macaro, E., & Lee, J. H. (2013). Teacher language background, codeswitching, and English-only instruction: Does age make a difference to learners’ attitudes? *TESOL Quarterly, 47*(4), 717-742.

Mack, M., Bott, S., & Boronat, C. B. (1995). Mother, I'd rather do it myself, maybe: An analysis of voice-onset time produced by early French-English bilinguals. *Issues and Developments in English and Applied Linguistics (IDEAL)*, *28*, 23-55.

Marinova-Todd, S., Marshall, D., & Snow, C. (2000). Three misconceptions about age and L2 learning. *TESOL Quarterly, 34*(1), 9-34.

McDonald, J. L. (2000). Grammaticality judgments in a second language: Influences of age of acquisition and native language. *Applied Psycholinguistics, 21*, 395-423.

McDonald, J. L. (2006). Beyond the critical period: Processing-based explanations for poor grammaticality judgment performance by late second language learners*. Journal of Memory and Language, 55,* 381-401.

Montrul, S. A. (2008). *Incomplete acquisition in bilingualism: Re-examining the age factor.* Amsterdam, The Netherlands: John Benjamins.

Montrul, S., Foote, R., & Perpiñán, S. (2008). Gender agreement in adult second language learners and Spanish heritage speakers: The effects of age and context of acquisition. *Language Learning, 58*(3), 503-553.

Moyer, A. (2004). *Age, accent and experience in second language acquisition*. Clevedon, UK: Multilingual Matters.

Muñoz, C. (2003). Variation in oral skills development and age of onset. In M. P. Garcı́a Mayo & M. L. Garcı́a Lecumberri (Eds.), *Age and the acquisition of English as a foreign language* (pp. 161-181). Clevedon: Multilingual Matters Ltd.

Muñoz, C. (2006). The effects of age on foreign language learning: The BAF project. In C. Muñoz (Ed.), *Age and the rate of foreign language learning* (pp. 1-40). Clevedon: Multilingual Matters Ltd.

Muñoz, C. (Ed.). (2006). *Age and the rate of foreign language learning*. Clevedon: Multilingual Matters Ltd.

Muñoz, C. (2008). Age-related differences in foreign language learning. Revisiting the empirical evidence. *International Review of Applied Linguistics in Language Teaching, 46*, 197-220.

Muñoz, C. (2011). Input and long-term effects of starting age in foreign language learning. *International Review of Applied Linguistics in Language Teaching, 71*, 197-220.

Muñoz, C., & Singleton, D. (2007). Foreign accent in advanced learners: Two successful profiles. *The EUROL2A Yearbook, 7,* 171-190.

Navés, T., Torras, M. R., & Celaya, M. (2003). Long-term effects of an earlier start: An analysis of EFL written production. *EUROSLA Yearbook, 3,* 103-129.

Neufeld, G. (1978). On the acquisition of prosodic and articulatory features in adult language learning. *Canadian Modern Language Review*, *34*(2), 163-74.

Nikolov, M. (2009). The age factor in context. In M. Nikolov (Ed.), *The age factor and early language learning* (pp. 1-38). Berlin: Mouton de Gruyter.

Nikolov, M. (Ed.). (2009b). *The age factor and early language learning*. Berlin: Mouton de Gruyter.

Patkowski, M. (1980). The sensitive period for the acquisition of syntax in a second language. *Language Learning, 30*(2), 449-472.

Pfefferbaum, A., Mathalon, D. H., Sullivan, E. V., Rawles, J. M., Zipursky, R. B., & Lim, K. O. (1994). A quantitative magnetic resonance imaging study of changes in brain morphology from infancy to late adulthood. *Archives of Neurology*, *51*(9), 874-887.

Pfenninger, S. E. (2011). Age effects on the acquisition of nominal and verbal inflections in an instructed setting. *Studies in Second Language Learning and Teaching, 1*, 401-420.

Raz, N. (2005). The aging brain observed in vivo: Differential changes and their modifiers. In R. Cabeza, L. Nyberg, & D. Park (Eds.), *Cognitive neuroscience of aging: Linking cognitive and cerebral aging* (pp.19-57). New York, NY: Oxford University Press.

Raz, N., Rodrigue, K. M., Kennedy, K. M., Head, D., Gunning-Dixon, F. M., & Acker, J. D. (2003). Differential aging of the human striatum: Longitudinal evidence. *American Journal of Neuroradiology*, *24*(9), 1849– 1856.

Reuter-Lorenz, P. A. (2000). Cognitive neuropsychology of the aging brain, in D. C. Park & N. Schwarz (Eds.), *Cognitive aging: A primer* (pp. 93-114). Philadelphia, PA: Psychology Press.

Rosansky, E. (1975). *Neurophysiological and cognitive developmental factors and the critical period for the acquisition of language*. Paper presented at the Third International Child Language Symposium, London, UK.

Saito, K. (2015). Experience effects on the development of late second language learner’s oral proficiency. *Language Learning, 65(3),* 563-595.

Schrauf, R. W. (2008). Bilingualism and aging. In R. Heredia & J. Altariba (Eds.),  An introduction to bilingualism: Principles and processes (pp.105-127). New York, NY: Lawrence Erlbaum.

Seliger, H. W. (1978). Implications of a multiple critical periods hypothesis for second language learning. In W. Ritchie (Ed.), *Second language acquisition research: Issues and implications* (pp. 11-19). New York: Academic Press.

Seol, H. (2005). The critical period in the acquisition of L2 syntax: A partial replication of Johnson and Newport, *Educational Psychology, 24,* 77-97.

Shim, R. J. (1993). Sensitive period for second language acquisition: A reaction time study of syntactic processing of English by Korean-English bilinguals. *Ideas and Developments in English and Applied Linguistics. 6,* 43-64.

Silverberg S., & Samuel A. G. (2004). The effect of age of second language acquisition on the representation and processing of second language words. *Journal of Memory and Language, 51*, 381–398.

Singleton, D. (2005). The Critical Period Hypothesis: A coat of many colours. *International Review of Applied Linguistics*, *43*(4), 269-286.

Singleton, B., & Muñoz, C. (2011). Around and beyond the critical period. In E. Hinkel (Ed.), *Handbook of research in second language teaching and research.* (vol. II), (pp. 407-425). New York, NY: Routledge.

Slavoff, G. R., & Johnson, J. S. (1995). The effects of age on the rate of learning a second language. *Studies in Second Language Acquisition, 17,* 1–16.

Snow, C., & Hoefnagel-Hohle, M. (1978). The critical period for language acquisition: Evidence from second language learning. *Child Development, 49,* 1114–1128.

Stowe, L. A., & Sabourin, L. (2005). Imaging the processing of a second language: Effects of maturation and proficiency on the neural processes involved. *International Review of Applied Linguistics*, *43*(4), 329-354.

Torras, M., & Celaya, M. (2001). Age-related differences in the development of written production. An empirical study of EFL school learners*. International Journal of English Studies, 1,* 103-126.

Volkow, N. D., Wang, G.-J., Fowler, J. S., Ding, Y.-S., Gur, R., Gatley, S. J., et al. (1998). Parallel loss of pre and postsynaptic dopamine markers in normal aging. *Annals of Neurology*, *44*(1), 143-147.

White, L., & Genesee, F. (1996). How native is near-native? The issue of ultimate attainment in adult second language acquisition. *Second Language Research, 12*(3), 233-265.

Zevin, J. D., & Seidenberg, M. S. (2002). Age of acquisition effect in word reading and other tasks. *Journal of Memory and Language, 47*, 1–29.