

Supplemental file: List of excluded articles

Reference	Reason
<b>Kinouchi T, Ishitani K, Uyama S, Miyamoto T, Fujimoto N, Ueta H. Basilar artery occlusion presenting as sudden bilateral deafness: a case report. J Med Case Rep. 2021 Mar 2;15(1):111.</b>	Non-CD auditory central dysfunction
<b>Slotwinski K, Ejma M, Szczepanska A, Budrewicz S, Koszewicz M. Pure word deafness in a patient with bilateral ischemic stroke in the superior temporal gyrus (STG). Neurocase. 2020 Jun;26(3):121-124.</b>	Non-CD auditory central dysfunction
<b>Ben Younes T, Messelmani M, Mansour M, Zaouali J, Mrissa R. Pure word deafness revealing ischemic stroke in a Tunisian patient. Clin Neurol Neurosurg. 2019 Dec;187:105541.</b>	Non-CD auditory central dysfunction
<b>Shibata Y. Delayed traumatic intracerebral hematoma presenting as cortical deafness: case report. Heliyon. 2020;6(2):e03443.</b>	Non-stroke related auditory central dysfunction
<b>Kim JM, Woo SB, Lee Z, Heo SJ, Park D. Verbal auditory agnosia in a patient with traumatic brain injury: A case report. Medicine (Baltimore). 2018 Mar;97(11):e0136.</b>	Non-stroke related auditory central dysfunction
<b>Sugiura T, Torii T. Auditory agnosia caused by bilateral putamen haemorrhage. BMJ Case Rep. 2017 Dec 20;2017:bcr2017222535.</b>	Non-CD auditory central dysfunction
<b>Maffei C, Capasso R, Cazzolli G, Colosimo C, Dell'Acqua F, Piludu F, Catani M, Miceli G. Pure word deafness following left temporal damage: Behavioral and neuroanatomical evidence from a new case. Cortex. 2017;97:240–54.</b>	Non-CD auditory central dysfunction

<b>Poliva O, Bestelmeyer PEG, Hall M, Bultitude JH, Koller K, Rafal RD. Functional mapping of the human auditory cortex: FMRI investigation of a patient with auditory agnosia from trauma to the inferior colliculus. Cogn Behav Neurol. 2015;28(3):160–80.</b>	Non-stroke related auditory central dysfunction
<b>Gutschalk, A., Uppenkamp, S., Riedel, B., Bartsch, A., Brandt, T., &amp; Vogt-schaden, M. (2015). ScienceDirect Pure word deafness with auditory object agnosia after bilateral lesion of the superior temporal sulcus. Cortex. 73, 24–35</b>	Non-CD auditory central dysfunction
<b>Joswig H, Schönenberger U, Brügge D, Richter H, Surbeck W. Reversible pure word deafness due to inferior colliculi compression by a pineal germinoma in a young adult. Clin Neurol Neurosurg. 2015;139:62–5.</b>	Non-stroke related auditory central dysfunction
<b>Cavinato M, Rigon J, Volpato C, Semenza C, Piccione F. Preservation of Auditory P300-Like Potentials in Cortical Deafness. PLoS One. 2012;7(1):1-6.</b>	Data presented by Semenza et al, 2012 – Semenza C, Cavinato M, Rigon J, Battel I, Meneghello F, Venneri A. Persistent cortical deafness: A voxel-based morphometry and tractography study. Neuropsychology. 2012;26(6):675–83.
<b>Chiang CI, Chou CH, Hsueh CJ, Cheng CA, Peng GS. Acute bilateral hearing loss as a "worsening sign" in a patient with critical basilar artery stenosis. J Clin Neurosci. 2013 Jan;20(1):177-9.</b>	Non-CD auditory central dysfunction

<b>Saygin AP, Leech R, Dick F. Nonverbal auditory agnosia with lesion to Wernicke's area. <i>Neuropsychologia</i>. 2010;48(1):107–13.</b>	Non-CD auditory central dysfunction
<b>Mun SK, Hong YH, Kang SH, Hwang SN. A case of temporal intracerebral hemorrhage that presented with sudden bilateral hearing loss as the initial symptom. <i>J Korean Neurosurg Soc</i>. 2010 Nov;48(5):438-40.</b>	Non-CD auditory central dysfunction
<b>Gerace C, Pianura C. Sudden deafness without vertigo as a sole manifestation of AICA infarct. <i>Neurol Sci</i>. 2008 Oct;29(5):371-2.</b>	Non-CD auditory central dysfunction
<b>Bovo R, Ortore R, Ciorba A, Berto A, Martini A. Bilateral sudden profound hearing loss and vertigo as a unique manifestation of bilateral symmetric inferior pontine infarctions. <i>Ann Otol Rhinol Laryngol</i>. 2007 Jun;116(6):407-10.</b>	Non-CD auditory central dysfunction
<b>Sugiura T, Torii T. Auditory agnosia caused by bilateral putamen haemorrhage. <i>BMJ Case Rep</i>. 2017;2017:bcr2017222535.</b>	Non-CD auditory central dysfunction
<b>Tabuchi S, Kadowaki M, Watanabe T. Reversible cortical auditory dysfunction caused by cerebral vasospasm after ruptured aneurysmal subarachnoid hemorrhage and evaluated by perfusion magnetic resonance imaging. Case report. <i>J Neurosurg</i>. 2007 Jul;107(1):161-4.</b>	Non-CD auditory central dysfunction
<b>Satoh M, Takeda K, Kuzuhara S. A case of auditory agnosia with impairment of perception and expression of music: Cognitive processing of tonality. <i>Eur Neurol</i>. 2007;58(2):70–7.</b>	Non-CD auditory central dysfunction
<b>Plasencia PM, Dorado JI, Serrano Rodríguez JM, Sellán C. Neuropsychological evidence for "word-meaning deafness" in a Spanish-speaking patient. <i>Brain Lang</i>. 2006 May;97(2):214-8.</b>	Non-CD auditory central dysfunction

Yi HA, Lee SR, Lee H, Ahn BH, Park BR, Whitman GT. Sudden deafness as a sign of stroke with normal diffusion-weighted brain MRI. <i>Acta Otolaryngol.</i> 2005 Oct;125(10):1119-21.	Non-CD auditory central dysfunction
Kimiskidis VK, Lalaki P, Papagiannopoulos S, Tsitouridis I, Tolika T, Serasli E, Kazis D, Tsara V, Tsalighopoulos MG, Kazis A. Sensorineural hearing loss and word deafness caused by a mesencephalic lesion: Clinicoelectrophysiologic correlations. <i>Otol Neurotol.</i> 2004;25(2):178–82.	Non-CD auditory central dysfunction
Fernández CA, Carceller MA, García JR, García CG, Alegría JB. Sudden deafness as a manifestation of the rupture of a cerebral arteriovenous malformation. <i>Otolaryngol Head Neck Surg.</i> 2003 Apr;128(4):592-4.	Non-CD auditory central dysfunction
Vitte E, Tankéré F, Bernat I, Zouaoui A, Lamas G, Soudant J. Midbrain deafness with normal brainstem auditory evoked potentials. <i>Neurology.</i> 2002;58(6):970–3.	Non-stroke related auditory central dysfunction
Sato M, Yasui N, Isobe I, Kobayashi T. [A case of pure word deafness and auditory agnosia associated with bilateral temporo-parietal lesions]. <i>No To Shinkei.</i> 1982 Oct;34(10):939-45. Japanese.	Non-English language
Akkuzu B, Fişiloğlu AG, Özlüoğlu L, Can U. Sudden cortical hearing loss for speech: a case report. <i>Ear Hear.</i> 2001 Feb;22(1):14-7.	Non-CD auditory central dysfunction
Mendez MF. Generalized auditory agnosia with spared music recognition in a left-hander. Analysis of a case with a right temporal stroke. <i>Cortex.</i> 2001;37(1):139–50.	Non-CD auditory central dysfunction
Yaguchi H, Yaguchi M, Nishiwaki C, Takahashi Y. [A case of brain stem infarction with bilateral hearing loss]. <i>No To Shinkei.</i> 2000 Mar;52(3):249-52. Japanese.	Non-English language

<b>Nakayama T, Nobuoka H, Wada S, Matsukado Y. Cortical deafness following bilateral hypertensive putaminal hemorrhage. No To Shinkei. 1986;38:565–570.</b>	Non-English language
<b>Clarke S, Bellmann A, Meuli RA, Assal G, Steck AJ. Auditory agnosia and auditory spatial deficits following left hemispheric lesions: evidence for distinct processing pathways. Neuropsychologia. 2000;38(6):797-807.</b>	Non-CD auditory central dysfunction
<b>Wang E, Peach RK, Xu Y, Schneck M, Manry II C. Perception of dynamic acoustic patterns by an individual with unilateral verbal auditory agnosia. Brain Lang. 2000;73(3):442–55.</b>	Non-CD auditory central dysfunction
<b>Bhaskaran R, Prakash M, Kumar PN, Srikumar B. Crossed aphasia leading to pure word deafness. J Assoc Physicians India. 1998 Sep;46(9):824-6.</b>	Non-CD auditory central dysfunction
<b>Johkura K, Matsumoto S, Hasegawa O, Kuroiwa Y. Defective auditory recognition after small hemorrhage in the inferior colliculi. J Neurol Sci. 1998;161(1):91–6.</b>	Non-stroke related auditory central dysfunction
<b>Johannes S, Jöbges ME, Dengler R, Münte TF. Cortical auditory disorders: a case of non-verbal disturbances assessed with event-related brain potentials. Behav Neurol. 1998;11(1):55-73.</b>	Non-CD auditory central dysfunction
<b>Deplanque D, Godefroy O, Guerouaou D, Laureau E, Desautly A. Sudden bilateral deafness: lateral inferior pontine infarction. J Neurol Neurosurg Psychiatry. 1998 Jun;64(6):817-8.</b>	Non-CD auditory central dysfunction
<b>Papathanasiou I, Macfarlane S, Heron C. A Case of Verbal Auditory Agnosia: Missing the Word...Missing the Sound.... Int J Lang Commun Disord. 1998;33(S1):214–7.</b>	Non-CD auditory central dysfunction
<b>Hu C-J, Chan K-Y, Lin T-J, Hsiao S-H, Chang Y-M, Sung S-M. Traumatic brainstem deafness with normal brainstem auditory evoked potentials. Neurology. 1997 May 1;48(5):1448–51.</b>	Non-stroke related auditory central dysfunction

<b>Habib M, Daquin G, Milandre L, Royere ML, Rey M, Lanteri A, Salamon G, Khalil R. Mutism and auditory agnosia due to bilateral insular damage-Role of the insula in human communication. Neuropsychologia. 1995;33(3):327–39.</b>	Non-CD auditory central dysfunction
<b>Di Giovanni M, D’Alessandro G, Baldini S, Cantalupi D, Bottacchi E. Clinical and neuroradiological findings in a case of pure word deafness. Ital J Neurol Sci. 1992;13(6):507–10.</b>	Non-CD auditory central dysfunction
<b>Praamstra P, Hagoort P, Maassen B, Crul T. Word deafness and auditory cortical function. A case history and hypothesis. Brain. 1991 Jun 1;114 ( Pt 3(3):1197–225.</b>	Non-CD auditory central dysfunction
<b>Shindo M, Kaga K, Tanaka Y. Speech discrimination and lip reading in patients with word deafness or auditory agnosia. Brain Lang. 1991;40(2):153–61.</b>	Non-CD auditory central dysfunction
<b>Wolberg SC, Temlett JA, Fritz VU. Pure word deafness. S Afr Med J. 1990 Dec 1;78(11):668-70.</b>	Non-CD auditory central dysfunction
<b>Fujii T, Fukatsu R, Watabe S ichi, Ohnuma A, Teramura K, Kimura I, Saso S, Kogure, K. Auditory Sound Agnosia without Aphasia Following a Right Temporal Lobe Lesion. Cortex. 1990;26(2):263–8.</b>	Non-CD auditory central dysfunction
<b>Bales JD. Reversible sensorineural hearing loss in a stroke patient. Ear Hear. 1989 Apr;10(2):109-11.</b>	Non-CD auditory central dysfunction
<b>Yaqub BA, Gascon GG, Nosha M Al, Whitaker H. Pure word deafness (acquired verbal auditory agnosia) in an arabic speaking patient. Brain. 1988;111(2):457–66.</b>	Non-CD auditory central dysfunction
<b>Roberts M, Sandercock P, Ghadiali E. Pure word deafness and unilateral right temporo-parietal lesions: a case report. J Neurol Neurosurg Psychiatry. 1987 Dec;50(12):1708-9.</b>	Non-CD auditory central dysfunction

<b>Meissner R. Doppelseitige zentrale Hörstörung infolge bitemporalen Hirninfarktes [Double-sided central hearing-loss owing to bitemporal infarct of brain (author's transl)]. HNO. 1981 Aug;29(8):282-4. German.</b>	Non-English language
<b>Buchman AS, Garron DC, Trost-Cardamone JE, Wichter MD, Schwartz M. Word deafness: one hundred years later. J Neurol Neurosurg Psychiatry. 1986 May;49(5):489-99.</b>	Non-CD auditory central dysfunction
<b>Coslett HB, Brashear HR, Heilman KM. Pure word deafness after bilateral primary auditory cortex infarcts. Neurology. 1984 Mar;34(3):347-52.</b>	Non-CD auditory central dysfunction
<b>Pamphlett R, Morris J. Cortical hearing deficit. A deaf brain. Med J Aust. 1983;2(1):35-6.</b>	Non-CD auditory central dysfunction
<b>Auerbach SH, Allard T, Naeser M, Alexander MP, Albert ML. Pure word deafness: Analysis of a case with bilateral lesions and a defect at the prephonemic level. Brain. 1982;105(2):271-300.</b>	Non-CD auditory central dysfunction
<b>Khurana RK, O'Donnell PP, Suter CM, Inayatullah M. Bilateral deafness of vascular origin. Stroke. 1981 Jul-Aug;12(4):521-3.</b>	Non-CD auditory central dysfunction
<b>Tsuruoka H, Arai H, Kuwaha S, Sohma H. [Cortical deafness due to left unilateral brain damage--a case report (author's transl)]. Rinsho Shinkeigaku. 1980 Sep;20(9):735-41. Japanese.</b>	Non-English language
<b>Barraquer-Bordas L, Peña-Casanova J, Pons-Irazábal L. Sordera central sin disturbios afásicos por lesión temporal bilateral [Central deafness without aphasic disorders due to bilateral temporal lesion]. Acta Neurol Latinoam. 1980;26(3):165-74. Spanish.</b>	Non-English language

<b>Parving A, Salomon G, Elberling C, Larsen B, Lassen NA. Middle Components of the Auditory Evoked Response in Bilateral Temporal Lobe Lesions: Report on a Patient with Auditory Agnosia. Scand Audiol. 1980 Jan 12;9(3):161-7.</b>	Non-CD auditory central dysfunction
<b>Goldstein MN, Brown M, Hollander J. Auditory agnosia and cortical deafness: analysis of a case with three-year followup. Brain Lang. 1975 Jul;2(3):324-32.</b>	Uncertainty about the etiology or extension of the lesions
<b>Jerger J, Lovering L, Wertz M. Auditory disorder following bilateral temporal lobe insult: report of a case. J Speech Hear Disord. 1972 Nov;37(4):523-35.</b>	Uncertainty about the etiology of the lesions
<b>Albert ML, Sparks R, Von Stockert T, Sax D. A case study of auditory agnosia: linguistic and non-linguistic processing. Cortex. 1972 Dec;8(4):427-43.</b>	Non-CD auditory central dysfunction
<b>Jerger J, Weikers NJ, Sharbrough FW 3rd, Jerger S. Bilateral lesions of the temporal lobe. A case study. Acta Otolaryngol Suppl. 1969;258:1-51.</b>	Uncertainty about the etiology of the lesions
<b>Spreen O, Benton AL, Fincham RW. Auditory agnosia without aphasia. Arch Neurol. 1965 Jul;13:84-92.</b>	Non-CD auditory central dysfunction