

표 1. 신경두경부 핵심질문 7-9 근거표

핵심질문 7-9

문헌정보	연구유형	대상자 수	문헌 질 KCIG
Health, N.I.o. National Institute on Deafness and Other Communication Disorders (NIDCD). Quick statistics. 2017 [cited 2017 September 1]	Review/Other-Dx	N/A	2
Fife, T.D., Neuro-otology of systemic disease, in Neuro-logical Disorders due to Systemic Disease, S.L. Lewis, Editor. 2013, Wiley-Blackwell Health Sciences: Oxford, UK. p. 145-54.	Review/Other-Dx	N/A	5
Tunkel, D.E., et al., Clinical practice guideline: tinnitus. Otolaryngol Head Neck Surg, 2014. 151(2 Suppl): p. S1-S40.	Review/Other-Dx	N/A	2
Basura, G.J., et al., Clinical Practice Guideline: Meniere's Disease Executive Summary. Otolaryngol Head Neck Surg, 2020. 162(4): p. 415-434.	Review/Other-Dx	N/A	2
Expert Panel on Neurologic, I., et al., ACR Appropriateness Criteria((R)) Tinnitus. J Am Coll Radiol, 2017. 14(11S): p. S584-S591.	Review/Other-Dx	N/A	2
Lewis, S., et al., Assessment and management of tinnitus: summary of NICE guidance. Bmj, 2020. 368: p. m976.	Review/Other-Dx	N/A	2
Sonmez, G., et al., Imaging of pulsatile tinnitus: a review of 74 patients. Clin Imaging, 2007. 31(2): p. 102-8.	Review/Other-Dx	74 patients	5
Alaani, A., S.V. Chavda, and R.M. Irving, The crucial role of imaging in determining the approach to glomus tympanicum tumours. European Archives of Oto-Rhino-Laryngology, 2009. 266(6): p. 827-831.	Review/Other-Dx	9 patients	5
Bierry, G., et al., Middle ear adenomatous tumor: A not so rare glomus tympanicum-mimicking lesion. Journal of Neuroradiology, 2010. 37(2): p. 116-121.	Review/Other-Dx	N/A	5
Sismanis, A., Pulsatile tinnitus. Otolaryngologic Clinics of North America, 2003. 36(2): p. 389-402.	Review/Other-Dx	N/A	5
Zhao, P., et al., Persistent petrosquamosal sinus in adults: qualitative imaging evaluation on high-resolution CT venography. Acta Radiol, 2014. 55(2): p. 225-30.	Observational-Dx	532 patients	4
Narvid, J., et al., CT angiography as a screening tool for dural arteriovenous fistula in patients with pulsatile tinnitus: feasibility and test characteristics. AJNR Am J Neuroradiol, 2011. 32(3): p. 446-53.	Observational-Dx	7 patients	2
Spittau, B., et al., Dural arteriovenous fistulas of the hypoglossal canal: systematic review on imaging anatomy, clinical findings, and endovascular management. J Neurosurg, 2015. 122(4): p. 883-903.	Review/Other-Tx	120 cases	5
Grewal, A.K., et al., Clinical presentation and imaging	Review/Other-Dx	261	5

findings in patients with pulsatile tinnitus and sigmoid sinus diverticulum/dehiscence. <i>Otol Neurotol</i> , 2014. 35(1): p. 16-21.		patients	
Harvey, R.S., et al., Pulse-synchronous tinnitus and sigmoid sinus wall anomalies: descriptive epidemiology and the idiopathic intracranial hypertension patient population. <i>Otol Neurotol</i> , 2014. 35(1): p. 7-15.	Review/Other-Dx	13 patients	5
Schoeff, S., et al., Imaging prevalence of sigmoid sinus dehiscence among patients with and without pulsatile tinnitus. <i>Otolaryngol Head Neck Surg</i> , 2014. 150(5): p. 841-6.	Review/Other-Dx	194 patients	5
Ellenstein, A., N. Yusuf, and M. Hallett, Middle ear myoclonus: two informative cases and a systematic discussion of myogenic tinnitus. <i>Tremor Other Hyperkinet Mov (N Y)</i> , 2013. 3.	Review/Other-Dx	N/A	5
Fox, G.N. and M.T. Baer, Palatal myoclonus and tinnitus in children. <i>West J Med</i> , 1991. 154(1): p. 98-102.	Review/Other-Dx	1 patient	5
Park, S.N., et al., Clinical characteristics and therapeutic response of objective tinnitus due to middle ear myoclonus: a large case series. <i>Laryngoscope</i> , 2013. 123(10): p. 2516-20.	Observational-Tx	58 patients	2
Sinclair, C.F., L.E. Gurey, and A. Blitzer, Palatal myoclonus: algorithm for management with botulinum toxin based on clinical disease characteristics. <i>Laryngoscope</i> , 2014. 124(5): p. 1164-9.	Observational-Dx	15 patients	5
Remley, K.B., et al., Pulsatile tinnitus and the vascular tympanic membrane: CT, MR, and angiographic findings. <i>Radiology</i> , 1990. 174(2): p. 383-9.	Review/Other-Dx	107 patients	5
Willinsky, R.A., Tinnitus: imaging algorithms. <i>Can Assoc Radiol J</i> , 1992. 43(2): p. 93-9.	Review/Other-Dx	N/A	5
Hillman, T.A., et al., Reversible peripheral vestibulopathy: the treatment of superior canal dehiscence. <i>Otolaryngol Head Neck Surg</i> , 2006. 134(3): p. 431-6.	Observational-Tx	30 patients	4
Ceylan, N., et al., CT imaging of superior semicircular canal dehiscence: added value of reformatted images. <i>Acta Otolaryngol</i> , 2010. 130(9): p. 996-1001.	Review/Other-Dx	93 patients	5
Cho, I.K., et al., 3-Dimensional reconstruction of the venous system in patients suffering from pulsatile tinnitus. <i>Acta Otolaryngol</i> , 2012. 132(3): p. 285-9.	Observational-Dx	11 patients and 12 normal control ears	4
Liu, Z., et al., Sigmoid sinus diverticulum and pulsatile tinnitus: analysis of CT scans from 15 cases. <i>Acta Radiol</i> , 2013. 54(7): p. 812-6.	Observational-Dx	15 patients	5
Mattox, D.E. and P. Hudgins, Algorithm for evaluation of pulsatile tinnitus. <i>Acta Otolaryngol</i> , 2008. 128(4): p. 427-31.	Review/Other-Dx	54 patients	5

Krishnan, A., et al., CT arteriography and venography in pulsatile tinnitus: preliminary results. <i>AJNR Am J Neuroradiol</i> , 2006. 27(8): p. 1635-8.	Observational-Dx	16 patients	5
Deuschl, C., et al., Value of DSA in the diagnostic workup of pulsatile tinnitus. <i>PLoS One</i> , 2015. 10(2): p. e0117814.	Observational-Dx	54 patients	4
Noguchi, K., et al., Intracranial dural arteriovenous fistulas: evaluation with combined 3D time-of-flight MR angiography and MR digital subtraction angiography. <i>AJR Am J Roentgenol</i> , 2004. 182(1): p. 183-90.	Observational-Dx	17 MR angiograms in 15 patients and 35 MR angiograms in 35 controls	2
Chadha, N.K. and G.M. Weiner, Vascular loops causing otological symptoms: a systematic review and meta-analysis. <i>Clin Otolaryngol</i> , 2008. 33(1): p. 5-11.	Meta-analysis	5 studies	2
Guevara, N., et al., Microvascular decompression of cochlear nerve for tinnitus incapacity: pre-surgical data, surgical analyses and long-term follow-up of 15 patients. <i>Eur Arch Otorhinolaryngol</i> , 2008. 265(4): p. 397-401.	Review/Other-Dx	15 patients	5
Nowé, V., et al., Does the location of a vascular loop in the cerebellopontine angle explain pulsatile and non-pulsatile tinnitus? <i>Eur Radiol</i> , 2004. 14(12): p. 2282-9.	Observational-Dx	47 patients	4
Expert Panel on Neurologic, I., et al., ACR Appropriateness Criteria(R) Hearing Loss and/or Vertigo. <i>J Am Coll Radiol</i> , 2018. 15(11S): p. S321-S331.	Review/Other-Dx	N/A	2
Expert Panel on Neurologic, I., et al., ACR Appropriateness Criteria(R) Cerebrovascular Disease. <i>J Am Coll Radiol</i> , 2017. 14(5S): p. S34-S61.	Review/Other-Dx	N/A	2
Shetty, V.S., et al., ACR Appropriateness Criteria Head Trauma. <i>J Am Coll Radiol</i> , 2016. 13(6): p. 668-79.	Review/Other-Dx	N/A	2
Gimsing, S., Vestibular schwannoma: when to look for it? <i>J Laryngol Otol</i> , 2010. 124(3): p. 258-64.	Observational-Dx	199 vestibular schwannoma patients and 225 nontumor patients	4
Jiang, Z.Y., et al., Intracochlear schwannomas confined to the otic capsule. <i>Otol Neurotol</i> , 2011. 32(7): p. 1175-9.	Review/Other-Dx	10 cases	5
Springborg, J.B., L. Poulsgaard, and J. Thomsen, Nonvestibular schwannoma tumors in the cerebellopontine angle: a structured approach and management guidelines. <i>Skull Base</i> , 2008. 18(4): p. 217-27.	Review/Other-Dx	N/A	5
Chen, Y.C., et al., Altered intra- and interregional	Review/Other-Dx	29	5

synchronization in resting-state cerebral networks associated with chronic tinnitus. <i>Neural Plast</i> , 2015. 2015: p. 475382.		patients and 30 controls	
Pyykkö, I., et al., Magnetic resonance imaging of the inner ear in Meniere's disease. <i>Otolaryngol Clin North Am</i> , 2010. 43(5): p. 1059-80.	Review/Other-Dx	N/A	5
Wu, Q., et al., The correlation between symptoms of definite Meniere's disease and endolymphatic hydrops visualized by magnetic resonance imaging. <i>Laryngoscope</i> , 2016. 126(4): p. 974-9.	Observational-Dx	54 patients	4
de Aguiar, P.H., et al., Brainstem cavernomas: a surgical challenge. <i>Einstein (Sao Paulo)</i> , 2012. 10(1): p. 67-73.	Review/Other-Tx	13 patients	5
Saito, N., et al., Clinical and radiologic findings of inner ear involvement in sickle cell disease. <i>AJNR Am J Neuroradiol</i> , 2011. 32(11): p. 2160-4.	Review/Other-Dx	89 patients	5
Shulman, A., B. Goldstein, and A.M. Strashun, Central nervous system neurodegeneration and tinnitus: a clinical experience. Part I: Diagnosis. <i>Int Tinnitus J</i> , 2007. 13(2): p. 118-31.	Review/Other-Dx	96 patients	5
Arai, M., T. Takada, and M. Nozue, Orthostatic tinnitus: an otological presentation of spontaneous intracranial hypotension. <i>Auris Nasus Larynx</i> , 2003. 30(1): p. 85-7.	Observational-Dx	1 patient	5
Ferrante, E., et al., Spontaneous intracranial hypotension syndrome: report of twelve cases. <i>Headache</i> , 2004. 44(6): p. 615-22.	Review/Other-Dx	12 patients	5
Isildak, H., S. Albayram, and H. Isildak, Spontaneous intracranial hypotension syndrome accompanied by bilateral hearing loss and venous engorgement in the internal acoustic canal and positional change of audiography. <i>J Craniofac Surg</i> , 2010. 21(1): p. 165-7.	Review/Other-Dx	1 patient	5
Falcioni, M., A. Taibah, and Rohit, Pulsatile tinnitus as a rare presenting symptom of residual cholesteatoma. <i>J Laryngol Otol</i> , 2004. 118(2): p. 165-6.	Review/Other-Dx	1 patient	5
Lao, Z., et al., Labyrinthine sequestrum: four case studies. <i>Otolaryngol Head Neck Surg</i> , 2012. 147(3): p. 535-7.	Review/Other-Tx	4 patients	5
Samii, M., et al., Cavernous angiomas within the internal auditory canal. <i>J Neurosurg</i> , 2006. 105(4): p. 581-7.	Review/Other-Dx	7 patients	5
Yamashita, K., et al., The radiological diagnosis of fenestral otosclerosis: the utility of histogram analysis using multidetector row CT. <i>Eur Arch Otorhinolaryngol</i> , 2014. 271(12): p. 3277-82.	Observational-Dx	38 patients and 30 controls	4
van de Langenberg, R., et al., Predictors of volumetric growth and auditory deterioration in vestibular schwannomas followed in a wait and scan policy. <i>Otol Neurotol</i> , 2011. 32(2): p. 338-44.	Observational-Dx	63 patients	5
Nowé, V., P. Van de Heyning, and P.M. Parizel, MRI in	Observational-Dx	430	5

patients with otovestibular complaints of unknown origin. B-ent, 2007. 3 Suppl 7: p. 27-35.		patients	
--	--	----------	--