

표 1. 신경두경부 핵심질문 1-6 근거표

핵심질문 1-6

문헌정보	연구유형	대상자 수	문헌 질 KCIG
Bonneville, J.F., Magnetic Resonance Imaging of Pituitary Tumors, in <i>Frontiers of Hormone Research</i> . 2016. p. 97-120.	Review/Other-Dx	N/A	2
Esteves, C., et al., Pituitary incidentalomas: analysis of a neuroradiological cohort. <i>Pituitary</i> , 2015. 18(6): p. 777-781.	Observational-Dx	71 pituitary incidentalomas	4
Vicente, A., B. Lecumberri, and M. Gálvez, [Clinical practice guideline for the diagnosis and treatment of pituitary apoplexy]. <i>Endocrinol Nutr</i> , 2013. 60(10): p. 582.e1-582.e12.	Review/Other-Dx	N/A	2
Melmed, S., et al., Diagnosis and treatment of hyperprolactinemia: an Endocrine Society clinical practice guideline. <i>J Clin Endocrinol Metab</i> , 2011. 96(2): p. 273-88.	Review/Other-Dx	N/A	2
Burns, J., et al., ACR Appropriateness Criteria(®) Neuroendocrine Imaging. <i>J Am Coll Radiol</i> , 2019. 16(5s): p. S161-s173	Review/Other-Dx	N/A	2
Petak, S.M., et al., American Association of Clinical Endocrinologists Medical Guidelines for clinical practice for the evaluation and treatment of hypogonadism in adult male patients--2002 update. <i>Endocr Pract</i> , 2002. 8(6): p. 440-56.	Review/Other-Dx	N/A	2
Go, J.L. and A.G. Rajamohan, Imaging of the Sella and Parasellar Region. <i>Radiologic Clinics of North America</i> , 2017. 55(1): p. 83-101.	Review/Other-Dx	N/A	2
Guitelman, M., et al., Primary empty sella (PES): A review of 175 cases. <i>Pituitary</i> , 2013. 16(2): p. 270-274.	Observational-Dx	175 patients	2
Glastonbury, C.M., A.G. Osborn, and K.L. Salzman, Masses and malformations of the third ventricle: Normal anatomic relationships and differential diagnoses. <i>Radiographics</i> , 2011. 31(7): p. 1889-1905.	Review/Other-Dx	N/A	5
Wu, L.M., et al., Usefulness of dual-energy computed tomography imaging in the differential diagnosis of sellar meningiomas and pituitary adenomas: Preliminary report. <i>PLoS ONE</i> , 2014. 9(3).	Observational-Dx	51 patients	4
Heshmati, H.M., et al., Hypopituitarism caused by intrasellar aneurysms. <i>Mayo Clinic Proceedings</i> , 2001. 76(8): p. 789-793.	Review/Other-Dx	4,087 patients	2
Glezer, A., D.B. Paraiba, and M.D. Bronstein, Rare Sellar Lesions. <i>Endocrinology and Metabolism Clinics of North America</i> , 2008. 37(1): p. 195-211.	Review/Other-Dx	N/A	2
Rennert, J. and A. Doerfler, Imaging of sellar and parasellar lesions. <i>Clinical Neurology and Neurosurgery</i> ,	Review/Other-Dx	N/A	2

2007. 109(2): p. 111–124.			
Garel, C. and J. Léger, Contribution of magnetic resonance imaging in non-tumoral hypopituitarism in children. <i>Hormone Research</i> , 2007. 67(4): p. 194–202.	Review/Other-Dx	N/A	2
Hess, C.P. and W.P. Dillon, Imaging the Pituitary and Parasellar Region. <i>Neurosurgery Clinics of North America</i> , 2012. 23(4): p. 529–542.	Review/Other-Dx	N/A	2
Isik, S., et al., Clinical and radiological findings in macroprolactinemia. <i>Endocrine</i> , 2012. 41(2): p. 327–333.	Observational-Dx	337 patients	5
Dietemann, J.L., et al., CT and MRI of suprasellar lesions. <i>Journal of Neuroradiology</i> , 1992. 19(1): p. 1–22.	Review/Other-Tx	N/A	2
Chakeres, D.W., A. Curtin, and G. Ford, Magnetic resonance imaging of pituitary and parasellar abnormalities. <i>Radiologic Clinics of North America</i> , 1989. 27(2): p. 265–281.	Review/Other-Dx	N/A	2
Patel, S.N., et al., Re-evaluation of the role of image guidance in minimally invasive pituitary surgery: Benefits and outcomes. <i>Computer Aided Surgery</i> , 2011. 16(2): p. 47–53.	Observational-Dx	120 patients	5
Kakite, S., et al., Three-dimensional gradient echo versus spin echo sequence in contrast-enhanced imaging of the pituitary gland at 3 T. <i>European Journal of Radiology</i> , 2011. 79(1): p. 108–112.	Observational-Dx	33 patients	2
Hughes, J.D., et al., Magnetic resonance elastography detects tumoral consistency in pituitary macroadenomas. <i>Pituitary</i> , 2016. 19(3): p. 286–292.	Observational-Dx	10 patients	3
Gao, R., et al., Dynamic gadolinium-enhanced MR imaging of pituitary adenomas: Usefulness of sequential sagittal and coronal plane images. <i>European Journal of Radiology</i> , 2001. 39(3): p. 139–146.	Observational-Dx	18 patient	2
Sahdev, A., et al., Imaging in Cushing's syndrome. <i>Arquivos Brasileiros de Endocrinologia e Metabologia</i> , 2007. 51(8): p. 1319–1328.	Review/Other-Dx	N/A	2
López, J., et al., Petrosal sinus sampling for diagnosis of Cushing's disease: Evidence of false negative results. <i>Clinical Endocrinology</i> , 1996. 45(2): p. 147–156.	Observational-Dx	32 patients	5
Pisaneschi, M. and G. Kapoor, Imaging the sella and parasellar region. <i>Neuroimaging Clinics of North America</i> , 2005. 15(1): p. 203–219.	Review/Other-Dx	N/A	2
Abele, T.A., et al., Non-pituitary origin sellar tumours mimicking pituitary macroadenomas. <i>Clinical Radiology</i> , 2012. 67(8): p. 821–827.	Review/Other-Dx	N/A	2
Briet, C., et al., Pituitary Apoplexy. <i>Endocr Rev</i> , 2015. 36(6): p. 622–45.	Review/Other-Dx	N/A	2
Wong, A., et al., Update on prolactinomas. Part 1: Clinical manifestations and diagnostic challenges. <i>Journal of Clinical Neuroscience</i> , 2015. 22(10): p. 1562–1567.	Review/Other-Dx	N/A	2
Tosaka, M., et al., Assessment of hemorrhage in pituitary	Observational-	25 patients	2

macroadenoma by T2*-weighted gradient-echo MR imaging. <i>AJNR Am J Neuroradiol</i> , 2007. 28(10): p.2023-9.	Dx		
Bladowska, J., et al., Are T2-weighted images more useful than T1-weighted contrast-enhanced images in assessment of postoperative sella and parasellar region? <i>Med Sci Monit</i> , 2011. 17(10): p. Mt83-90.	Observational-Dx	101 patients	3
Ziu, M., et al., Congress of Neurological Surgeons Systematic Review and Evidence-Based Guideline on Posttreatment Follow-up Evaluation of Patients With Nonfunctioning Pituitary Adenomas. <i>Neurosurgery</i> , 2016. 79(4): p. E541-3.	Metaanalysis	23 Studies	2
Coulter, I.C., et al., Radiologic follow-up of non-functioning pituitary adenomas: rationale and cost effectiveness. <i>J Neurooncol</i> , 2009. 93(1): p. 157-63.	Observational-Tx	49 patients	3
Kiliç, T., et al., Determining optimal MRI follow-up after transsphenoidal surgery for pituitary adenoma: scan at 24 hours postsurgery provides reliable information. <i>Acta Neurochir (Wien)</i> , 2001. 143(11): p. 1103-26.	Observational-Dx	80 Pituitary Adenoma Cases	3
Cortet-Rudelli, C., et al., Etiological diagnosis of hyperprolactinemia. <i>Annales d'Endocrinologie</i> , 2007. 68(2-3): p. e15-e22.	Review/Other-Dx	N/A	2
Macpherson, P., et al., Pituitary microadenomas - Does Gadolinium enhance their demonstration? <i>Neuroradiology</i> , 1989. 31(4): p. 293-298.	Observational-Dx	10 patients	5
Eroukhanoff, J., et al., MRI follow-up is unnecessary in patients with macroprolactinomas and long-term normal prolactin levels on dopamine agonist treatment. <i>Eur J Endocrinol</i> , 2017. 176(3): p. 323-328.	Observational-Dx	115 patients	2
Heck, A., et al., Intensity of pituitary adenoma on T2-weighted magnetic resonance imaging predicts the response to octreotide treatment in newly diagnosed acromegaly. <i>Clinical Endocrinology</i> , 2012. 77(1): p. 72-78.	Observational-Dx	45 patients	2
Debeneix, C., et al., Hypothalamic hamartoma: comparison of clinical presentation and magnetic resonance images. <i>Horm Res</i> , 2001. 56(1-2): p. 12-8.	Observational-Dx	19 patients	5
Freeman, J.L., et al., MR imaging and spectroscopic study of epileptogenic hypothalamic hamartomas: analysis of 72 cases. <i>AJNR Am J Neuroradiol</i> , 2004. 25(3): p. 450-62.	Observational-Dx	72 patients	5
Grunt, J.A., et al., When should cranial magnetic resonance imaging be used in girls with early sexual development? <i>J Pediatr Endocrinol Metab</i> , 2004. 17(5): p. 775-80.	Observational-Dx	130 female patients	5
Di Iorgi, N., et al., The use of neuroimaging for assessing disorders of pituitary development. <i>Clin Endocrinol (Oxf)</i> , 2012. 76(2): p. 161-76.	Review/Other-Dx	N/A	2

Ng, S.M., et al., Cranial MRI scans are indicated in all girls with central precocious puberty. Arch Dis Child, 2003. 88(5): p. 414-8; discussion 414-8.	Observational-Dx	67 girls	5
Zucchini, S., et al., Role of magnetic resonance imaging in hypothalamic-pituitary disorders. Horm Res, 1995. 44 Suppl 3: p. 8-14.	Review/Other-Dx	N/A	2
Carel, J.C., et al., Consensus statement on the use of gonadotropin-releasing hormone analogs in children. Pediatrics, 2009. 123(4): p. e752-62.	Review/Other-Dx	N/A	2
Chung, E.M., et al., From the radiologic pathology archives: precocious puberty: radiologic-pathologic correlation. Radiographics, 2012. 32(7): p. 2071-99.	Review/Other-Dx	N/A	2
Choi, K.H., et al., Boys with precocious or early puberty: incidence of pathological brain magnetic resonance imaging findings and factors related to newly developed brain lesions. Ann Pediatr Endocrinol Metab, 2013. 18(4): p. 183-90.	Observational-Dx	61 boys	3
Kaplowitz, P.B., Do 6-8 year old girls with central precocious puberty need routine brain imaging? Int J Pediatr Endocrinol, 2016. 2016: p. 9.	Review/Other-Dx	N/A	2
Klein, D.A., et al., Disorders of Puberty: An Approach to Diagnosis and Management. Am Fam Physician, 2017. 96(9): p. 590-599.	Review/Other-Dx	N/A	2
Mogensen, S.S., et al., Pathological and incidental findings on brain MRI in a single-center study of 229 consecutive girls with early or precocious puberty. PLoS One, 2012. 7(1): p. e29829.	Observational-Dx	229 girls	2
Pedicelli, S., et al., Routine screening by brain magnetic resonance imaging is not indicated in every girl with onset of puberty between the ages of 6 and 8 years. J Clin Endocrinol Metab, 2014. 99(12): p. 4455-61.	Observational-Dx	182 girls	2
Rieth, K.G., et al., CT of cerebral abnormalities in precocious puberty. AJR Am J Roentgenol, 1987. 148(6): p. 1231-8.	Review/Other-Dx	90 children	2
Macpherson, P., et al., Invasive v non-invasive assessment of the carotid arteries prior to trans-sphenoidal surgery. Neuroradiology, 1987. 29(5): p. 457-61.	Observational-Dx	47 patient	3
Carel, J.C. and J. Léger, Clinical practice. Precocious puberty. N Engl J Med, 2008. 358(22): p. 2366-77.	Review/Other-Dx	N/A	2
Oatman, O.J., et al., Endocrine and pubertal disturbances in optic nerve hypoplasia, from infancy to adolescence. Int J Pediatr Endocrinol, 2015. 2015(1): p. 8	Observational-Dx	101 patients	2