



가 . 가 , 1

0.5 - 1.0% (1). , 3A), (Fig. 3B)

(2). 가 1

50 가 7

Rathke (3). pars intermedia , Rathke (epidermoid), (dermoid), (cysticercosis cyst), (colloid cyst) (4).

0.5 - 1.0% (1), 15 - 20% (5). 20 - 30 (5), 가 , 가 가 (6). mm 3 - 4 cm

(dorsum sellae) (CT) 1.5 x 1.5 x 1.2 cm 가 (Fig. 1A), (Fig. 1B). (MR) 1.5 x 1.5 x 1.2 cm T1 (Fig. 2A), T2 (Fig. 2B), T1 (Fig. 2C). (transsphenoidal aspiration) 2.5 cc 가

(paraphysis), (ependyma), (choroid plexus)

(neurenteric cyst) Rathke ,

¹
²

가 , (squamous meta -
 plasia) 가 , 1/3
 (endodermal), (enterogenous),
 (foregut) (7), T1
 (cerebellopontine angle)
 (craniocervical junction) (8). CT
 , T1 , T2 (10).
 ,
 가 (pituitary
 macroadenoma) (craniopharyngioma),
 Rathke
 가

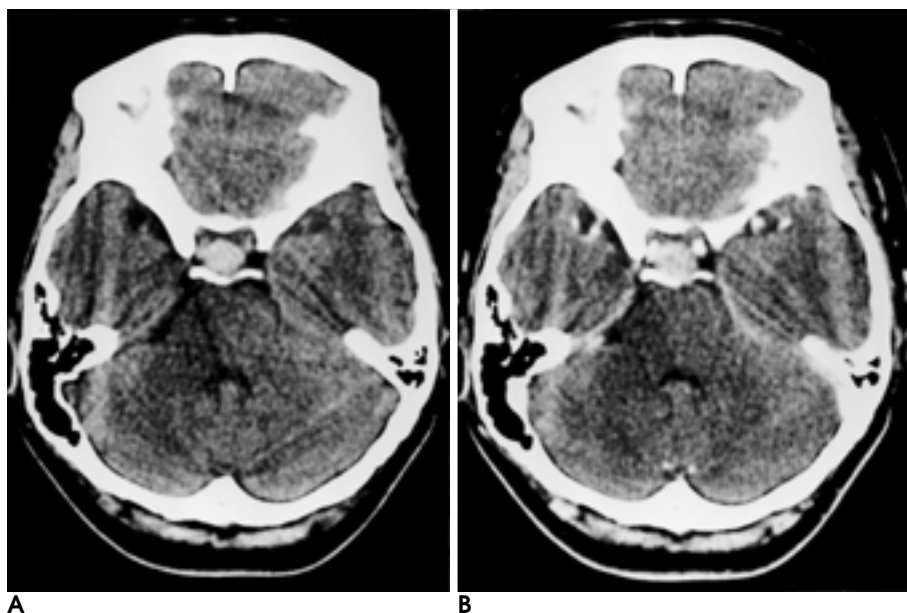


Fig. 1. A. Precontrast axial CT scans demonstrate a hyperdense ovoid mass in the sellar region.
B. Postcontrast axial CT scans depict again the high density mass, demonstrating no evidence of enhancement.

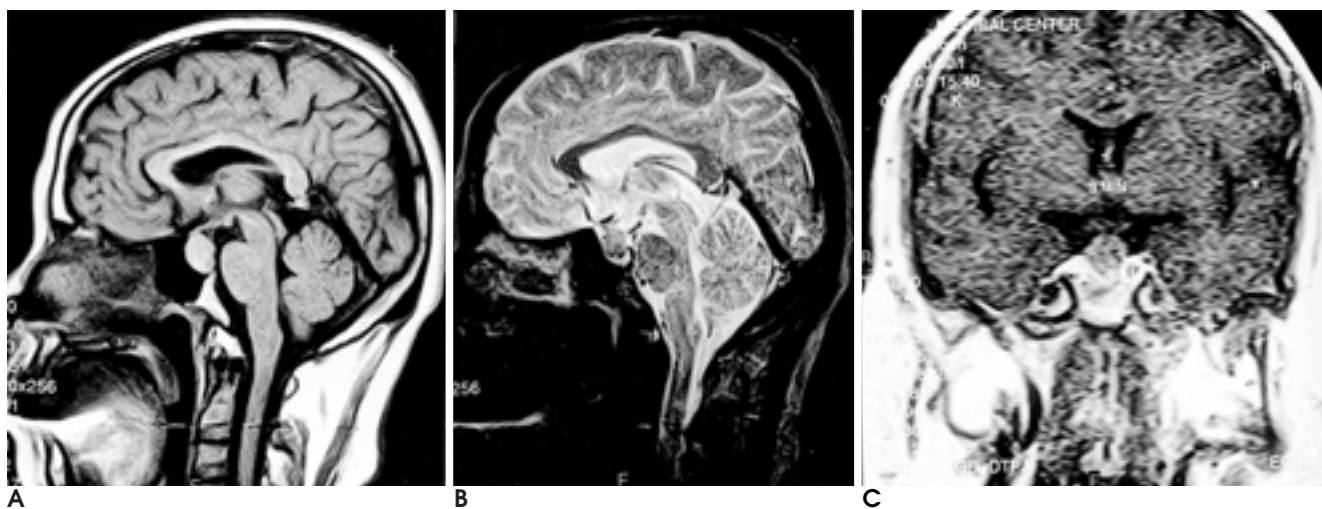


Fig. 2. A. Midline sagittal T1WI shows an ovoid pituitary mass with high signal intensity.
B. Midline sagittal T2WI shows a mixed signal lesion with hyperintense outer layer and hypointense center.
C. Dynamic study on 3minutes after injection of Gd-DTPA shows no evidence of enhancement.

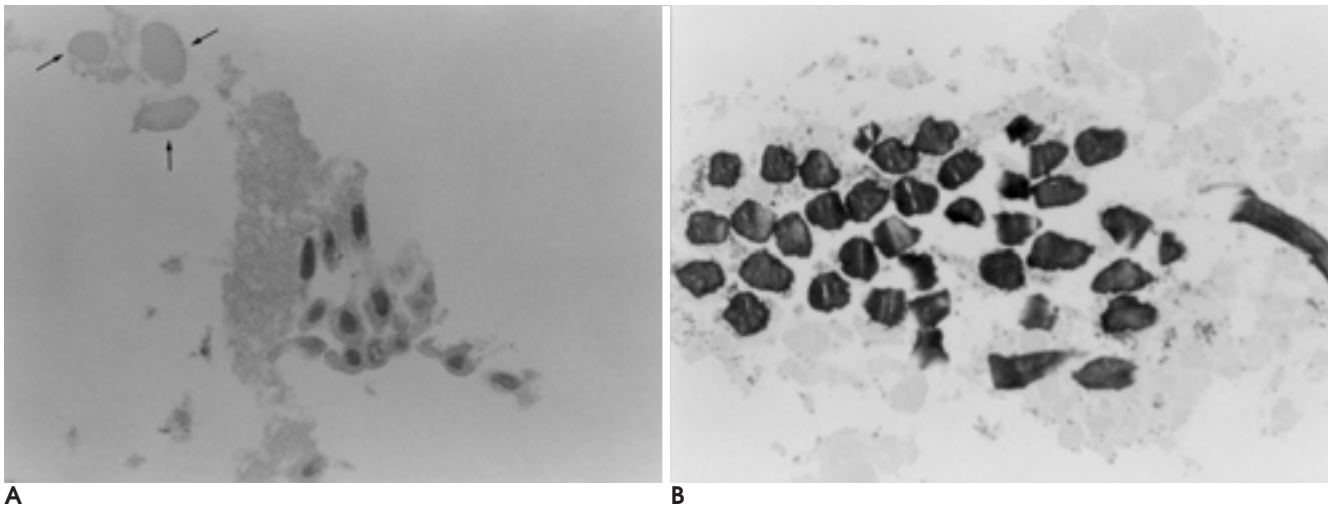


Fig. 3. A. Several degenerated cuboidal to columnar epithelial cells are embedded in amorphous eosinophilic colloidal (arrows) background (H&E stain, $\times 400$).
B. Crossely-cut basophilic filamentous structures are representing degenerated nucleoprotein (H&E stain, $\times 100$).

CT
 T1, T2 MR
 T1
 (supracel -
 lar cistern)
 (11).
 3/4
 (12). CT
 90%
 (13).
 Rathke 1 - 2 cm
 CT MR 2/3 T1
 T2
 (14).
 가 CT

1. Sener RN, Jinkins JR. CT of intrasellar colloid cysts. *J Comput Assist Tomogr* 1991;15:671-672

2. Shuangshoti S, Phisitbutr M, Kasantikul V, Netsky MG. Multiple neuroepithelial (colloid) cysts: association with other congenital anomalies. *Neurology* 1977;27:561-566
 3. Elster AD, Chen MYM. Can nonenhancing white matter lesions in cancer patients be disregarded? *AJNR Am J Neuroradiol* 1992;13:1309-1315
 4. Hua F, Asato R, Miki Y et al. Differentiation of supracellar nonneoplastic cysts from cystic neoplasms by Gd-DTPA MRI. *J Comput Assist Tomogr* 1992;16:744-749
 5. Russell DS, Rubinstein LJ. *Pathology of Tumors of the Nervous system*, 5th ed. Baltimore:Williams and Wilkins, 1989
 6. Mathiesen T, Grane P, Lindquist C, von Holst H. High recurrence rate following aspiration of colloid cysts in the third ventricle. *J Neurosurgery* 1993;78:748-752
 7. Peter C, Burger, Bernd W. Scheithauer. *Atlas of Tumor Pathology, Tumors of the Central Nervous System*. Washington, D.C.:Armed Forces Institute of Pathology 1994:355-359
 8. Anne G. Osborn. *Diagnostic Neuroradiology*. St. Louis:Mosby, 1994: 649
 9. Hine AL, Chui MS. Hypoplastic colloid cyst of the third ventricle. *Can Assoc Radiol J* 1987;38:288-291
 10. Anne G. Osborn. *Diagnostic Neuroradiology*. St. Louis:Mosby, 1994: 645
 11. Anne G. Osborn. *Diagnostic Neuroradiology*. St. Louis:Mosby, 1994: 650-654
 12. Zimmerman RA. Imaging of intrasellar, suprasellar and parasellar tumors. *Sem Roentgenol* 1990;25:174-197
 13. Anne G. Osborn. *Diagnostic Neuroradiology*. St. Louis:Mosby, 1994: 656-657
 14. Ross DA, Norman D, Wilson CB. Radiologic characteristics and results of surgical management of Rathke's cysts in 43 patients. *Neurosurgery* 1992;30:173-178

Colloid Cyst in Pituitary Gland: A Case Report¹

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Colloid cyst is a congenital lesion which is thought to be derived from the primitive neuroepithelium, and is most frequently located in the anterior half of the third ventricle.

Colloid cysts rarely occur in the pituitary gland, and we describe a case of pituitary colloid cyst, including the CT, MRI and pathologic findings.

Index words : Pituitary, neoplasms
Pituitary, MR

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