

6
가
3×3×4 cm
T1
가
4×5 cm
CT MRI

27
가
MRI
T2
3×3×4 cm
가
가
1

(Fig. 1)

3×3×4 cm 가

T1 T2
가
(1).
가 (2).

27 가 6 10
0.3 cm
0.45 cm 가



Fig. 1. Lateral view (of the simple radiograph) of the skull shows sellar widening with sellar and suprasellar calcification.

(Fig. 2). MRI 3×3×4 cm T1 (Fig. 3A), T2 (Fig. 3C)



Fig. 2. Non-enhanced brain CT shows a suprasellar mass with extensive calcifications.

T1 4×5 cm (Fig. 3B). 가

(Fig. 4). ACTH

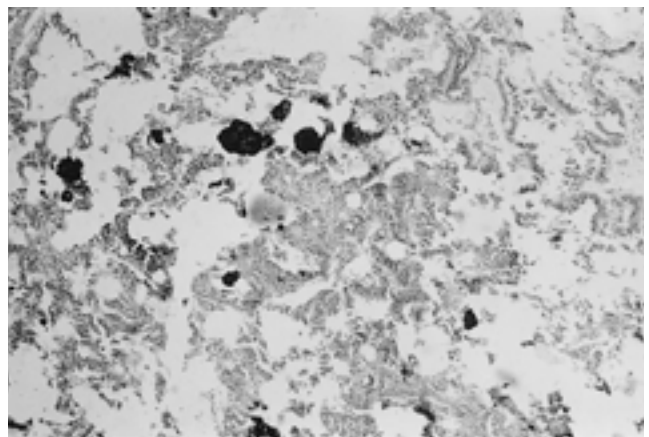


Fig. 4. Histological study shows clusters of tumor cells with papillary growth and extensive calcifications, which confirmed pituitary adenoma (H & E stain, × 40).

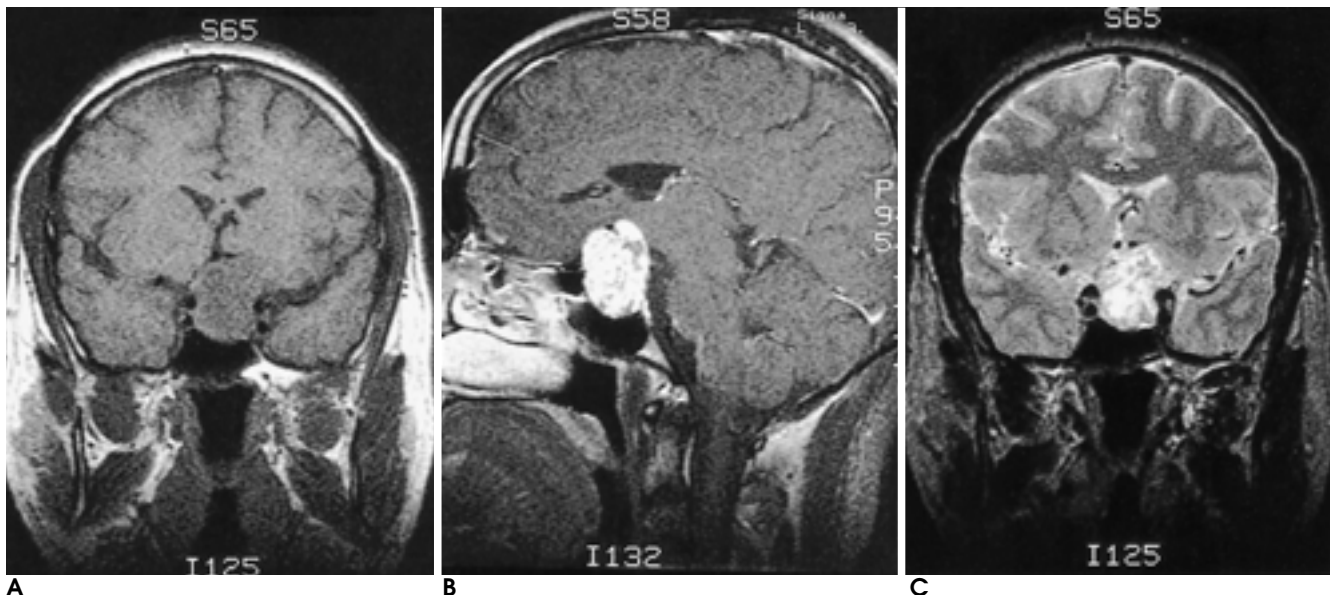


Fig. 3. A. Coronal T1-weighted image shows a sellar and suprasellar mass with inhomogenous low signal intensity.
B. Contrast-enhanced sagittal T1-weighted image with Gd-DTPA shows irregular enhancement of the mass. (Non-enhanced foci corresponding to very low signal intensity on T1-weighted image are noted.)
C. Coronal T2-weighted image shows a sellar and suprasellar mass with inhomogenous high signal intensity. Some foci of the tumor show low signal intensity on all sequences, suggesting calcifications.

10 - 30%

3% - 7%가

(2, 3).

(5).

(3).

80%

50%

가

가

가

가

가

, ACTH
(3).

TSH

, CT, MRI

(3).

가

가

(3).

(4)

가

가

T1

T2

T1

10 - 30%

, 40 - 50%

MRI

T1

T2

T1

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Pituitary Adenoma with Extensive Calcifications Mimicking Craniopharyngioma: A Case Report¹

Sung Chan Jin, M.D., Seoung Ro Lee, M.D., Bae Ju Kwon, M.D.,
Won Jin Moon, M.D., Eui Yong Jeon, M.D.

¹Department of Diagnostic Radiology, Hanyang University, College of Medicine

A 27-year-old man presented with complaints of headache and visual disturbance, first noted six months earlier. Simple radiographs of skull showed sellar widening and calcification. Brain CT revealed a 3 × 3 × 4 cm-sized sellar suprasellar mass with heavy calcification. T1-weighted MR images showed that the signal intensity of the mass was slightly lower than that of the gray matter, while T2-weighted images showed heterogeneous high signal intensity with central low-signal-intensity foci, suggesting calcification. After contrast infusion, enhancement was irregular. Surgery revealed a 4 × 5 cm sized, well-demarcated, lobulated mass adhering to the meninges. Papillary-type pituitary adenoma was histologically confirmed. We report the CT and MR findings of atypical pituitary adenoma with extensive internal calcification mimicking craniopharyngioma.

Index words : Pituitary, neoplasms
Pituitary, MR

Address reprint requests to : Seoung Ro Lee, M.D., Hanyang University Hospital, Dept. of Diagnostic Radiology,
17 Haengdang-dong, Seongdong-gu, Seoul 133-792, Korea.
Tel. 82-2-2290-9158 Fax. 82-2-2293-2111