



(Fig. 2). MRI

3 × 3 × 4 cm

T1

T1

(Fig. 3B).

(Fig. 3A), T2

4 × 5 cm

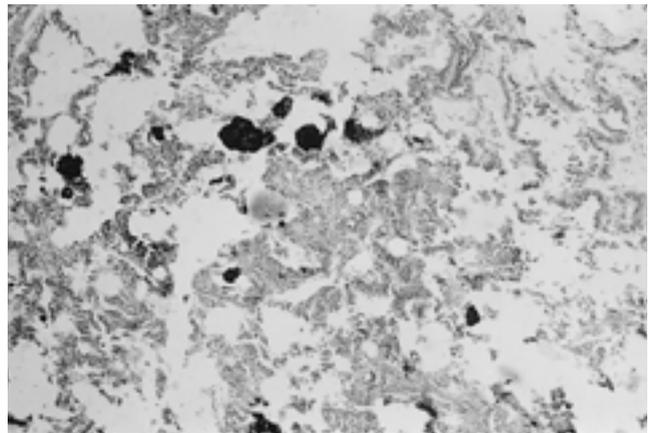
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(Fig. 3C)

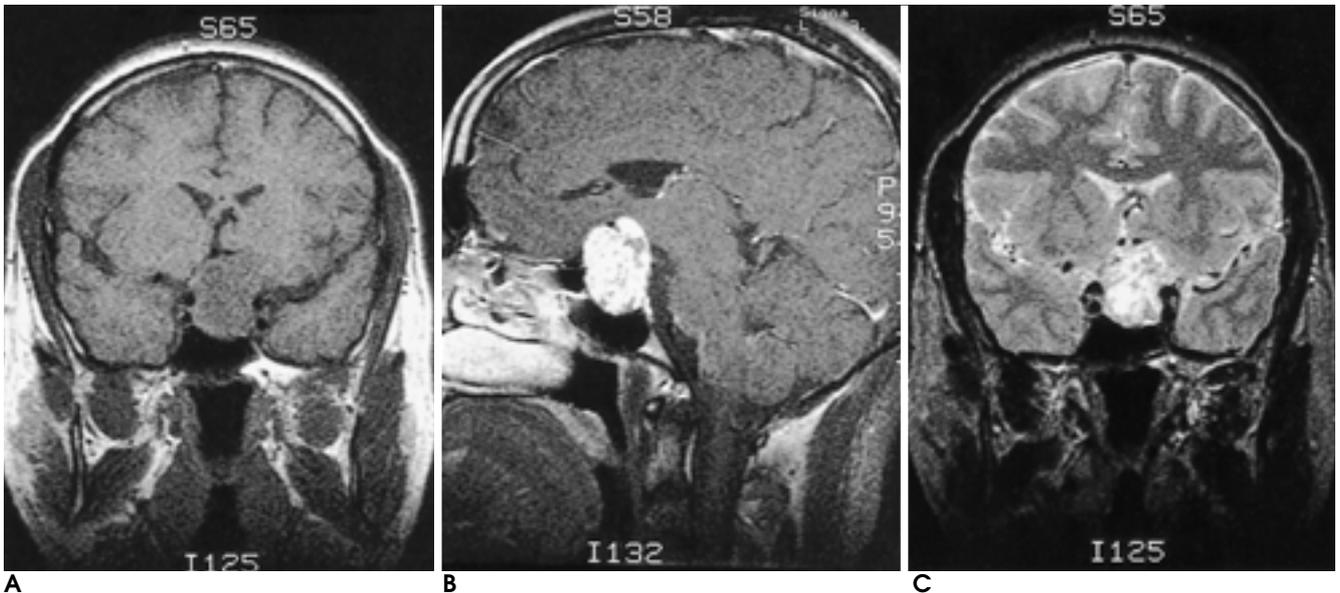


**Fig. 2.** Non-enhanced brain CT shows a suprasellar mass with extensive calcifications.

(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.



## Pituitary Adenoma with Extensive Calcifications Mimicking Craniopharyngioma: A Case Report<sup>1</sup>

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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

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