

(pheochromocytoma)  
(chromaffin tissue)

(catecholamines)

가

5

1

(1). 10%

가 (2). 10%

(3). 가 5 가 (Fig. 1C, D). 5kg

(4). 가 (Fig. 2)

14 x 10 x 10 cm 5 x 3 x 3

(5). (von Reckling - cm  
hausen disease),  
(von Hippel Lindau  
disease),  
neoplasia (MEN)) (multiple endocrine

PET - CT 99m - Tc

(3).

(6). 2005 Mercuri (7) 46

23 가 1

가 40% 0.1% 가 (3).

가 가(5 1/4, 10 1/2)

31 가 (Fig. 1A, 1

B) 가 가 가 2

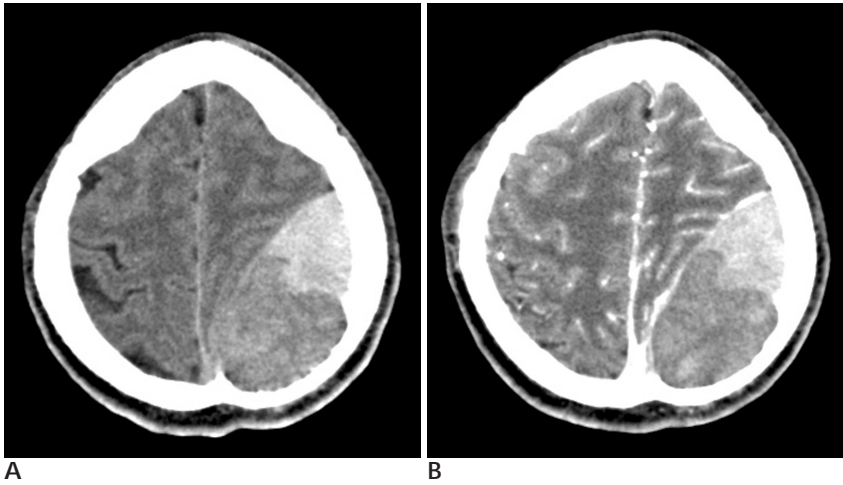
140/90 가 (5). 6% 23% (4, 98

5, 8). van Heerden (4) 15.8

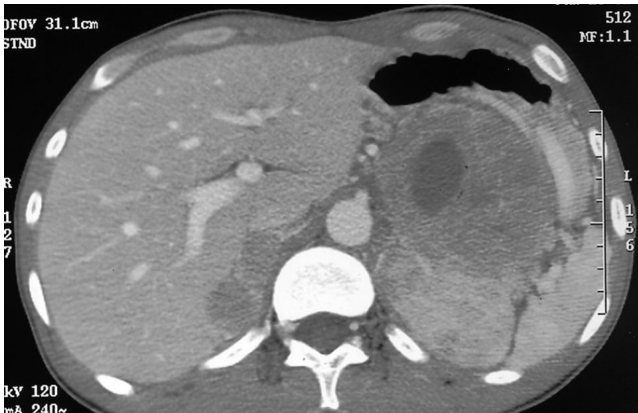
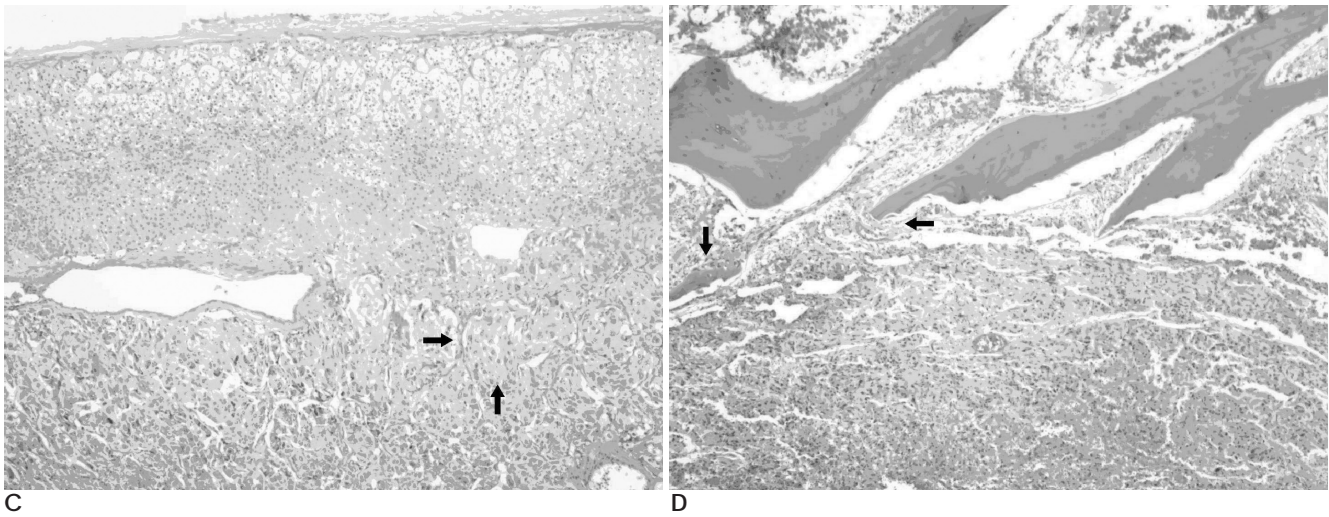
5 13 6. 5%

1  
2

2006 9 15 2007 2 14



**Fig. 1.** 31-year-old man with primary meningeal pheochromocytoma.  
**A.** Axial noncontrast CT scan shows large lentiform mixed hypo- and hyperdense lesion and surrounding hyperdense rim in left temporoparietal region.  
**B.** Axial contrast-enhanced CT scan shows inhomogeneous slight enhancement.  
**C.** Microscopic finding of the epidural mass shows characteristic "zellballen pattern" (arrows) of pheochromocytoma with abundant granular cytoplasm of polygonal tumor cells.  
**D.** Microscopic finding shows skull bone involvement (arrows).



**Fig. 2.** Axial contrast-enhanced abdomen CT scan shows bilateral adrenal pheochromocytomas. This CT scan obtained 5 years ago.

, Plouin (5) 14% (16/114)  
 (4).

가 (5 cm ),  
 , E/E+NE (E:epinephrine, NE: norepine - phrine)  
 가  
 가  
 (1, 5, 8).  
 Mercuri (7)  
 가  
 (neural crest)  
 (paraganglionic tissue)  
 .  
 ,  
 5  
 PET - CT 99m - Tc

(1). 5

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## Primary Meningeal Pheochromocytoma: A Case Report<sup>1</sup>

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Pheochromocytoma is a rare endocrine tumor arising from the chromaffin tissue, and it is able to produce and secrete catecholamines. Lymph nodes, liver, lung and bone are the most frequent sites of metastasis. We report here on a case of pheochromocytoma arising from the dura in a patient who was surgically treated for bilateral pheochromocytoma five years previously.

**Index words :** Pheochromocytoma  
Meninges, neoplasms  
Brain, CT

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