



ernous sinus) (extra-axial cavernous hemangioma) (cav -
가
1
5 - 13% , T2 -
Gd - DTPA
(middle cranial fossa),
(cerebral convexity), (tentori -
(Fig. 1C - E).
가
um),
(1 - 7). CT MR
MR
가
(2),
가
1
(meningohypophyseal trunk)
(Fig. 1F).
(pterional approach)
가
가
가
3
(light reflex)
III VI
38 가 3
37.3°C
가 0 /mm³, 가 2 /
mm³
CT 가
가 (Fig. 1A).
(Fig. 1B). MR
(buckling) T1 -

¹가
²가
³가

2000 가
2001 2 5

2001 4 13

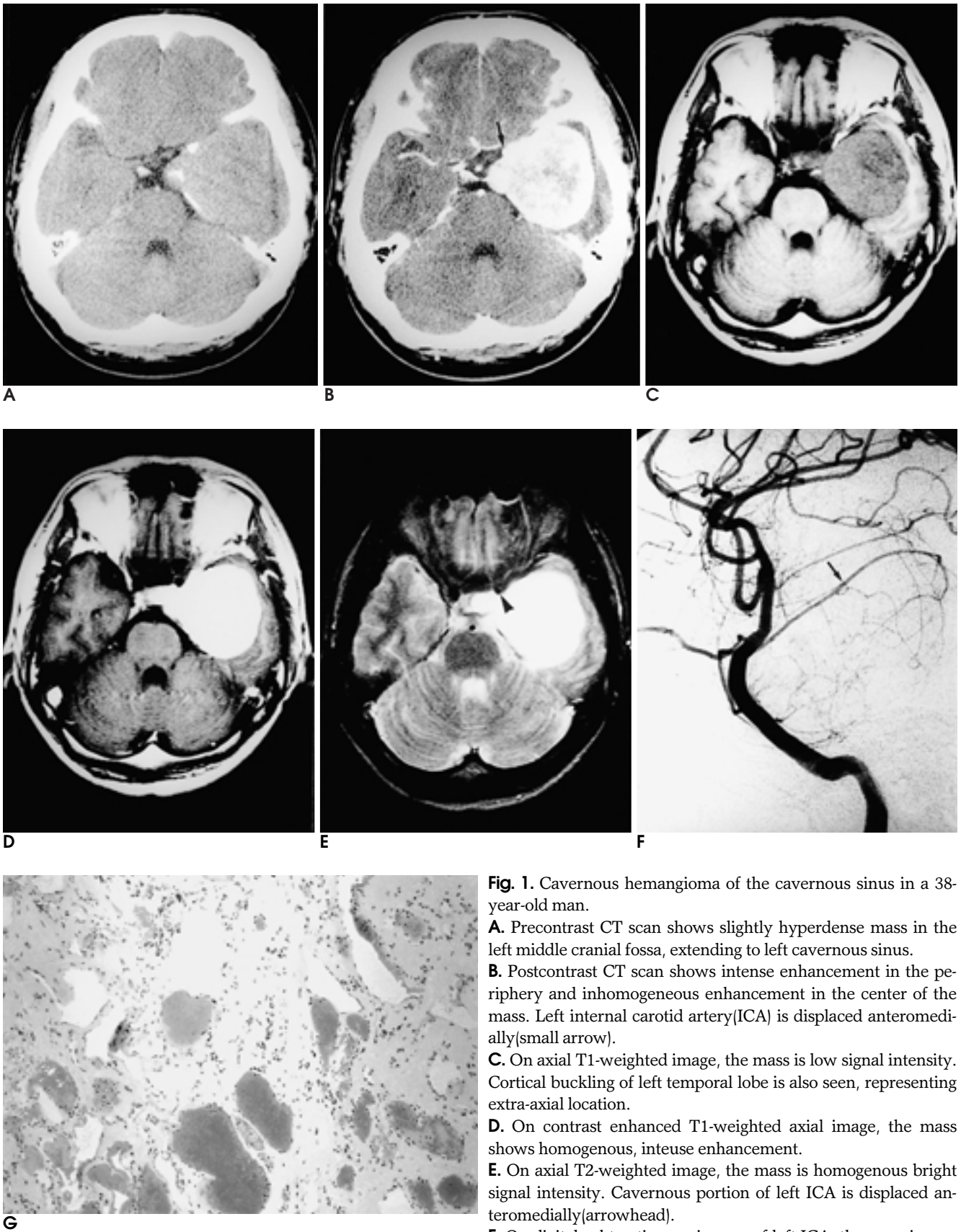


Fig. 1. Cavernous hemangioma of the cavernous sinus in a 38-year-old man.

A. Precontrast CT scan shows slightly hyperdense mass in the left middle cranial fossa, extending to left cavernous sinus.

B. Postcontrast CT scan shows intense enhancement in the periphery and inhomogeneous enhancement in the center of the mass. Left internal carotid artery(ICA) is displaced anteromedially(small arrow).

C. On axial T1-weighted image, the mass is low signal intensity. Cortical buckling of left temporal lobe is also seen, representing extra-axial location.

D. On contrast enhanced T1-weighted axial image, the mass shows homogenous, intense enhancement.

E. On axial T2-weighted image, the mass is homogenous bright signal intensity. Cavernous portion of left ICA is displaced anteromedially(arrowhead).

F. On digital subtraction angiogram of left ICA, the mass is supplied by branches of dilated and displaced meningohipophyseal trunk(large arrow).

G. The histologic findings of cavernous angioma reveals variable shaped, large, thin-walled vessels with collagenized interstitial tissue(H & E stain, × 100).

가 . MR , 가
(2 - 4), , , Meckel 's cave,
(1, 5 -
7). 가 . T1 -
, T2 -
gadolinium
가
(late capillary stain -
ing) . CT , T2 - MR
(2, 3, 6).
Lombardi
가 (3): 1)
(endophytic)
, 2)
가 , 3)
rior orbital fissure) , 4)
(exophytic)
(neuroendocrine dis -
order)
(superior orbital fissure syndrome)
가
가
가
VI
CT MR
(1 - 6). CT
가
(erosion)

1. Perry JR, Tucker WS, Chui M, Bilbao JM. Dural cavernous heman-
gioma: an under-recognized lesion mimicking meningioma. *Can J*
Neurol Sci 1993;20:230-3
2. Bristot R, Santoro A, Fantozzi L, Delfini R. Cavernoma of the cav-
ernous sinus: case report. *Surg Neurol* 1997;48:160-3
3. Lombardi D, Giovanelli M, de Tribolet N. Sellar and parasellar ex-
tra-axial cavernous hemangiomas. *Acta Neurochir[Wien]* 1994;130:
47-54
4. Sepehrnia A, Tatagiba M, Brandis A, Samii M, Prawitx RH. Cavernous angioma of the cavernous sinus: case report. *Neurosurgery* 1990;27:151-4
5. Sathi S, Folkerth R, Madsen JR. Cavernous angioma of the posteri-
or fossa dura mimicking a meningioma: case report and review of
literature. *Surg Neurol* 1992;38:257-60
6. Isla A, Roda JM, Alvarez F, Munoz J, Garcia E, Blazquez MG. Intracranial cavernous angioma in the dura. *Neurosurgery* 1989;25:
657-9
7. Simard JM, Garcia-Rengochea F, Ballinger WE, Mickle JP, Quisberg RG. Cavernous angioma: a review of 126 collected and 12 new clinical cases. *Neurosurgery* 1986;18:162-172

Cavernous Hemangioma of the Cavernous Sinus: A Case Report¹

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Intracranial extra-axial cavernous hemangioma of the cavernous sinus is a very rare vascular malformation. It usually appears as a round non-encapsulated mass with well-defined borders, mimicking meningioma. We describe a case of cavernous hemangioma of the cavernous sinus, including the radiologic imaging findings, and also review the literature.

Index words : Brain neoplasms

Brain, CT

Brain, MR

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