

# 시상부 뇌농양의 뇌실내로의 파열

- 증례 보고 -

정득채\* · 장석정\* · 안태형\*\*

= Abstract =

## Intraventricular Rupture of a Thalamic Abscess - A Case Report -

Deuk Chae Jeong, M.D.,\* Suk Jung Jang, M.D.,\* Tae Heung Ahan, M.D.\*\*  
*Department of Neurosurgery,\* College of Medicine, Chosun University, Kwangju, Korea  
 Mokpo Christian Hospital,\*\* Mokpo, Korea*

The mortality of patients with brain abscess has decreased significantly. This has been attributed to improved diagnostic imaging, the evolution of neurosurgical techniques and understanding of intracranial pressure pathophysiology, greater critical care understanding, and newer antibiotics.

However, the mortality associated with intraventricular rupture of brain abscess remained consistently high at or above 80% once identified. A case of intraventricular rupture of thalamic abscess with good quality of survival is presented based on aggressive 4 - component therapeutic plan used. The four components are 1) extraventricular drainage for 6 weeks, 2) lavage of the ventricular system using closed irrigation system, 3) intravenous antibiotics, 4) intraventricular gentamicin and vancomycin, twice and once daily, respectively.

**KEY WORDS :** Brain abscess · Thalamus · Intraventricular rupture.

서 론	증 례
1752 Morand가 가 가 가 2)8) 가 9)	: . 50 . : : 2 1 : 6 3 가 : : : : 7,200/mm <sup>3</sup>

가 가

T1 가

T2 가

, gadolinium - DTPA

(Fig. 1).

: 435/mm<sup>3</sup>( : ,  
 =37% : 63%), 109mg/dl, 63mg/dl  
 , India ink, KOH stain

ELISA

(borderline)

(Fasciola hepaticum)

Albendazole

11 : ,

6 , 38

mm<sup>3</sup> 가 , 18,540/

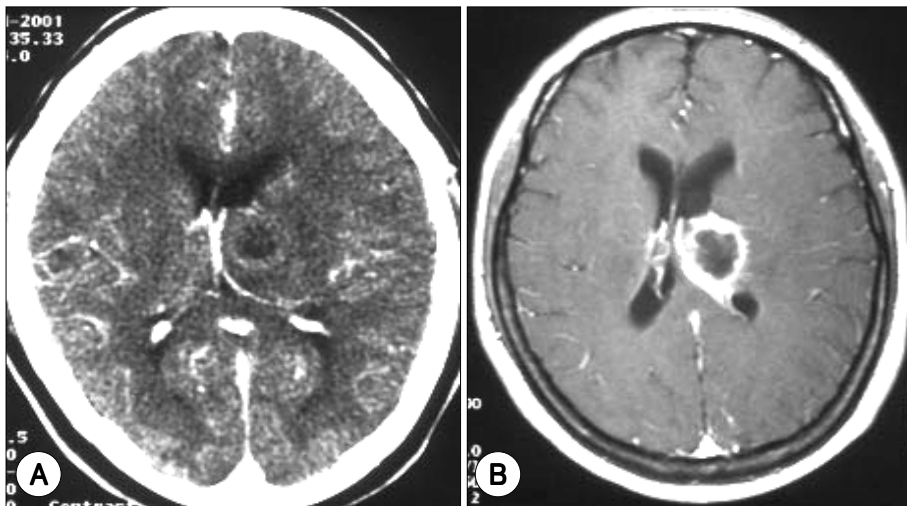
가 , T1

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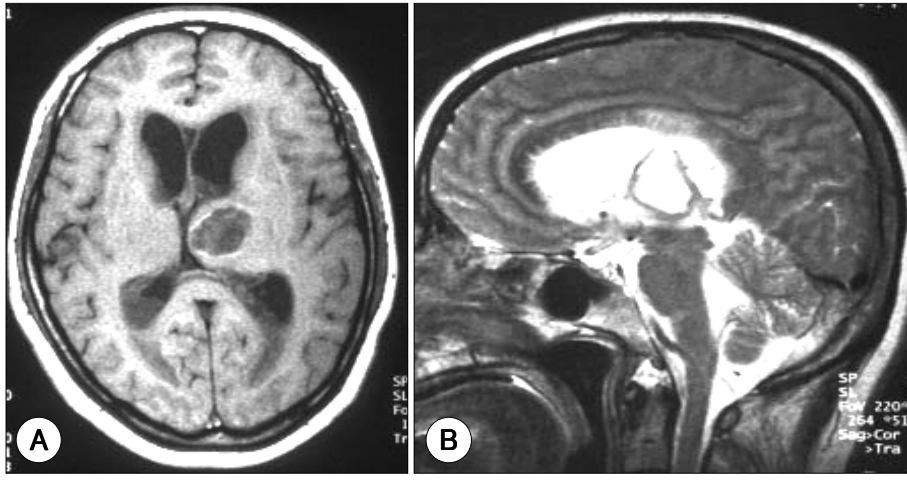
, gadolinium - DTPA T2

(Fig. 2).

(extraventricular drainage)



**Fig. 1** Postenhanced CT scan(A) and gadolinium-DTPA enhanced axial MRI(B) at admission showing a left thalamic mass with irregular ring enhancement.



**Fig. 2** Magnetic resonance images at 11th hospital day showing enlargement of ventricular system. A : T1-weighted axial MRI revealing relatively low signals, suggesting pus-like materials, on the dependent portion of lateral ventricle. B : T2-weighted sagittal MRI demonstrating the intraventricular rupture of thalamic abscess.



**Fig. 3** Contrast enhanced CT scan at 17th hospital day showing a well positioned EVD catheter(arrow) and enlargement of right lateral ventricle.

4320/mm<sup>3</sup>( : =93% :  
7%), 137mg/dl, 10mg/dl .  
In-  
dia ink KOH stain .  
: .  
3 cephalo-  
sporine metronidazole  
closed irrigation system  
500ml ,  
gentamicin 2 , vancomycin 1

17 :

(Fig. 3) Kocher 's point

가 closed irrigation system ,

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가 , 2)  
1)2). Danziger<sup>5)</sup>  
90 2

ELISA  
가  
ELISA (Fa-  
csiola hepaticum) (Zoonosis)  
(hepatobiliary system)

Zeidman<sup>9)</sup>  
1950 38% 1980 25%

idman 1950 1993  
2825 가 129 (4.6%)

80% 85%

Takeshita <sup>7)</sup>

occipital region) (parieto -

한민

1

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501 - 717 588

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3)

: 062) 227 - 4575

E - mail : dc - jeong@hanmail.net

10)

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Takeshita

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(ventricular wall)

eloquent area

4)6)

Zeidman

, 6 , 2 gentamicin , 6

500ml 5ml three

way closed irrigation system

10cm H<sub>2</sub>O , gen-

tamicin vancomycin 1