

침술(鍼術)로 인한 외상성 뇌척수액 비루 1례

반정민 · 한창용 · 김진구 · 조중환

A Case of Traumatic CSF Rhinorrhea Associated with Acupuncture

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- ABSTRACT -

Cerebrospinal fluid (CSF) leakage occurs as a consequence of severe head trauma in which the cranial vault or base of the skull is fractured. We experienced an interesting case of traumatic CSF rhinorrhea associated with acupuncture. A 45 year old man suffered from bloody rhinorrhea and headaches after acupuncture was done illegally for the purpose of cleansing the head. Isovist CT cisternography and MR cisternogram had been used to localize the site of the leakage and showed the leakage in the sphenothmoidal angle. The leakage ceased by conservative management and lumbar CSF drainage without any complications. We discussed the diagnostic approach of the traumatic CSF rhinorrhea and its management. (**J Clinical Otolaryngol 1999;10:83-86**)

KEY WORDS : CSF rhinorrhea · Acupuncture.

서	(鍼術)	1
론		
가	증	례
가	가	가
1)2)	:	, 45
(localization)가	:	가
:	:	2
:	:	15 cm, 1 mm
:	(Fig. 1)	가
:	가	가
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가 .
 handkerchief test halo
 sign 93 mg/dl
 가
 (Fig. 2).
 3 Isovist CT cisternography
 cistern -

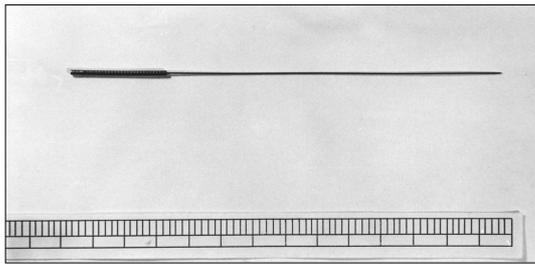


Fig. 1. Needle used for acupuncture.

ography (sphenoethmoidal angle)

(Fig. 3).

치료 및 경과

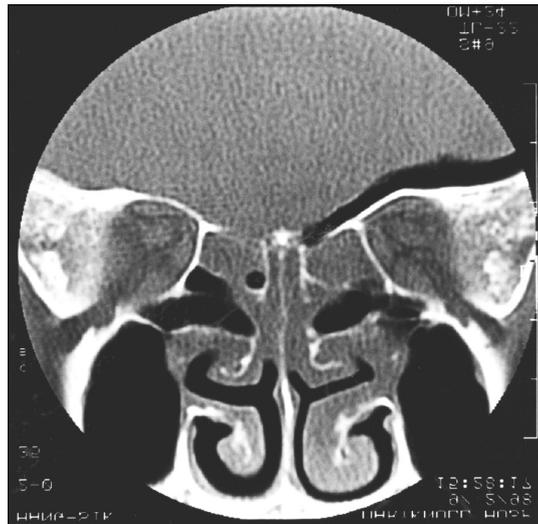


Fig. 2. Coronal CT scan shows soft tissue density lesion in both posterior ethmoidal sinuses, and air collection in left skull base.

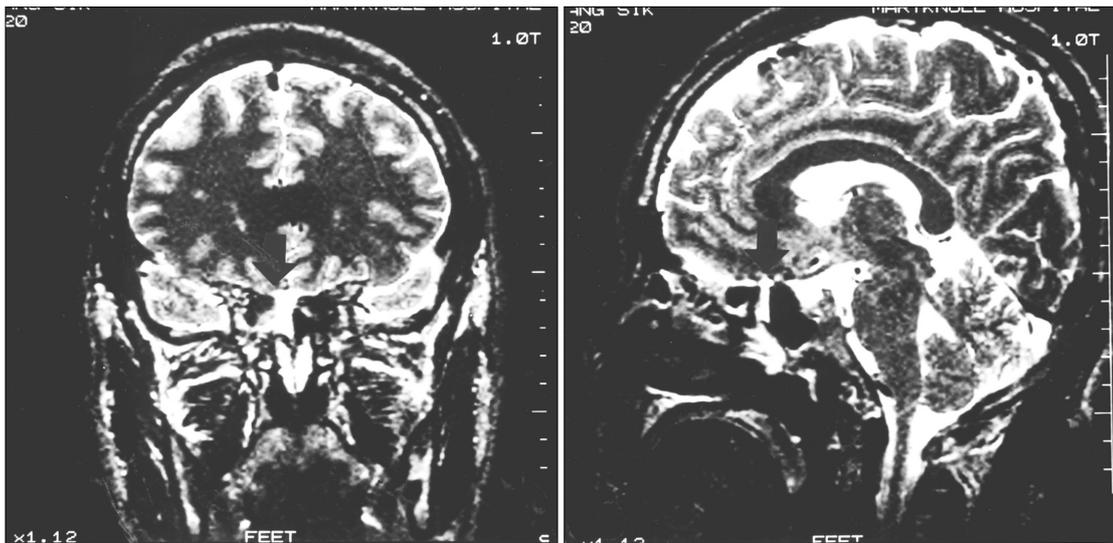


Fig. 3. T2-weighted sagittal and coronal MR cisternogram shows an CSF leakage (arrow) at the sphenoethmoidal angle.

: 1

ac -

etazolamide

3

250 350 cc

5

9

15

¹⁾⁵⁾

Indium 111 - DTPA, ^{99m}Tc - DTPA
radionuclide cisternography

가

³⁾⁶⁾

고 찰

가

1968 Ommaya ³⁾

⁷⁾

가

가

92%,

42%

가

90%

가

⁶⁾

2%

Shetty ⁸⁾
fast spin - T2 weighted MR ci -
sternogram

가

89%

가

가

가

⁴⁾

CT cisternography
cisternogram

Isovist
MR

80%

1

⁴⁾⁹⁾

halo sign

handkerchief test가

Ray ¹⁰⁾

가

가

3 25%

50%

30 mg/100 ml

가 1

가

⁹⁾¹¹⁾

가

(immunofixation)

transferrin

5 7

1 ml

1ul CSF

fluorescein

Ommaya ¹²⁾

Shapiro ¹³⁾

107 94% 5%
overdrainage syndrome

6 8 가
10 12 가

결 론

(長鍼)

중심 단어 :

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