

메니에르병의 감별진단

고 의 경 · 이 일 우

Differential Diagnosis of Meniere's Disease

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머 리 말

Table

1

³⁾ AAO - HNS

가 (1995)

Table 1 ¹⁾

메니에르병의 진단기준

(endolymph-

atic hydrops)

1) 가 ,

, 2) 1995

, 3) , 4) ³⁾ (certain Meni-

, 가 , 5) (definite Meniere's

, 6) (probable Meni-

(no symptomatic compensation), 7) (possible

, 8) Romberg Meniere's disease) 4 (Table 2).

가

Romberg sign , 9) (sensation of motion when no motion is

²⁾ occurring relative to earth's gravity) (vertigo)

episodic vertigo

(definitive spells) 20 ,

dysequilibrium

: , 602 - 739 1가

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Table 1. Classification of peripheral vestibular diseases with duration of vertigo

1. Vertigo lasting minutes to hours
1) Idiopathic endolymphatic hydrops (Meniere's disease)
2) Secondary endolymphatic hydrops
(1) Otic syphilis
(2) Delayed endolymphatic hydrops
(3) Cogan's disease
(4) Recurrent vestibulopathy
2. Vertigo lasting seconds
(1) Benign paroxysmal positional vertigo
3. Vertigo lasting days
(1) Vestibular neuronitis
(2) Sudden deafness with vertigo
4. Vertigo of variable duration
(1) Inner ear fistula
(2) Inner ear trauma, nonpenetrating or penetrating
(3) Barotrauma

Table 2. Diagnosis of Meniere's disease (AAOHNS, 1995)

Certain Meniere's disease	
	definite Meniere's disease
Definite Meniere's disease	
20	2
1	(aural fullness)
Probable Meniere's disease	
1	(aural fullness)
Possible Meniere's disease	
	dyssequilibrium

(retching)

가 . 1) 0.25 k, 0.5 k, 1 kHz
1 k, 2 k, 3 kHz 15 dB

Table 3. Staging of definite and certain Meniere's disease

4 tone average (dB)	
1	25
2	26 - 40
3	41 - 70
4	>70

Table 4. Summary of reporting guideline

A()	0
B	01 to 040
C	41 to 080
D	81 to 120
E	>120
F()	

$$= (X/Y) \times 100$$

X : 18 - 24 6

Y : 6

2) 0.5 k, 1 k, 2 k, 3 kHz
20 dB , 3)
0.5 k, 1 k, 2 k, 3 kHz
25 dB .
0.5 k, 1 k, 2 k, 3 k 10 dB
가 15% (flu-
tuation) . certain definite
6 가
0.5 k, 1 k, 2 k, 3 kHz stage
1 25 dB , stage 2 26~40 dB, stage 3 41~
70 dB , 70 dB stage 4 (Table 3).
functional level scale level 1
level 6

Table 4 6
18~24 1
(Meniere's episodic vertigo)

메니에르병의 검사

(dehydrating test), 73.5% 가 .⁴⁾⁵⁾
 furosemide .
 전기안진검사 .
 가 48% .
 2 10 dB .
 가 12% .
 10 dB .
 5 dB가 .⁶⁾



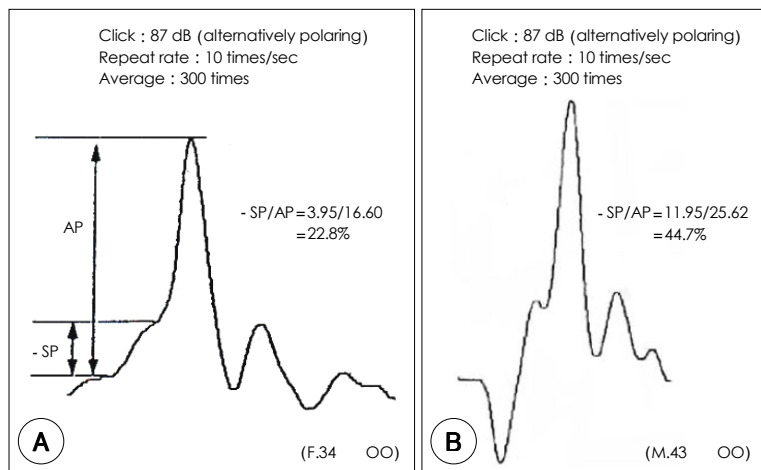
Fig. 1. Transtympanic electrode of electrocochleography.

글리세롤검사 .
 kg 1.2~1.5 g
 500 ml glycerol(Cerol) 2
 15 dB
 2 10 dB .
 가 12% .
 10 dB .
 5 dB가 .⁶⁾
Furosemide 검사
 Furosemide furosemide 20 mg
 slow component 가 9.4%
 가 (pendular rotation test)
 VOR - DP가 10% 가
 .⁶⁾
전기약우도검사(electrocochleography)

Fig. 1

summing potential action potential - SP/AP 가

Fig. 2. Electrocochleography using transtympanic electrode in normal (A) and Meniere's disease (B).



0.25 , 0.37 (homeostasis of end-
 (Fig. 2).⁷⁾ lymph) (insult)
 가
 insult
¹¹⁾

지연성 림프수종 (Delayed Endolymphatic Hydrops)

1975 Nadol Wolfson
 , 1978 Schukenecht가 delayed end-
 olymphatic hydrops⁸⁾ ,¹³⁾¹⁴⁾
 (profound hearing loss) 가
 (labyrinthectomy)
 가 (only hearing ear)
¹¹⁾

1 74
⁹⁻¹³⁾

재발성 전정장애 (Recurrent Vestibulopathy)

(acoustic trauma), ,
 , ,
 (early child-
 hood deafness of unknown etiology)
¹⁾

Recurrent vestibulopathy LeLievre
 Barber¹⁶⁾ , , ,
 (ear fullness)

stapedotomy 가
 (footplate of stapes) ase
 . LeLievre Barber¹⁶⁾

(lasix) . Furosemide 9.5 recurrent vestibulopathy 83
 14% 가
 Lasix¹¹⁾¹⁴⁾

가
 (ipsilateral disorder)¹⁾

(co- center 9.3%¹⁷⁾
 ntrolateral disorder) 가
 1985 가⁸⁾ 45 37
 (ca-

가
 ()
 loric response) 22%
 50%¹⁾
 70%

events¹⁶⁾
¹²⁾

전정신경염(Vestibular Neuronitis)

10~15 kHz²⁶⁾
vegetative symptom
ambulation 가
vegetative
isolone 가 methylprednisolone
가 methylprednisolone
1²⁷⁾
(paroxysmal positional vertigo)
(labyrinthitis)
(vestibular neuronitis)
1)
sparing¹⁸⁾¹⁹⁾
(bony canal)
20)
(herpes
22)
epidemic vertigo 가
가
librium
19)21)
23~100%²²⁾
herpes
가 가가
(herpes zoster)
23)24)
1969 Coates²⁵⁾
1)
, 2)
, 3) 1 , 4)
, 5) 6
5가

현훈을 동반한 돌발성난청 (Sudden Deafness with Vertigo)

가 26.0% 42.7%²⁸⁾²⁹⁾
. Nakashima²⁹⁾ 26.4%
66.7%,
dysequi-

귀매독(Otologic Syphilis)

50 가 54~64%

가 7%

10~30%

³⁰⁾ 30% 80% ³⁸⁾ 가

2 Dix - Hallpike test Roll 91%

(early syphilis) 2

(late otologic syphilis) 2

³⁰⁾³³⁾³⁴⁾ 6~32% ³⁸⁾⁴⁰⁾

가

(imbalance)

50 가 1 가

³⁵⁾ (fatigability)

stisal keratitis) 90% (inter-³⁶⁾ (geotrophic) 1

³⁴⁾³⁷⁾ Hennebert (canalolithiasis)

Tullio (apogeotrophic)

³⁷⁾³⁸⁾ 가 . VDRL, RPR non- (cu-

treponemal test 70% 가 ³⁷⁾ FTA - pulolithiasis

abs microhemagglutination treponemal pallidum(MH- Dix - Hallpike

ATP) treponemal test 95% Dix - Hallpike

가 . penicillin st-

eroid ¹⁾ 가

양성돌발성두위현훈 (Benign Paroxysmal Positional Vertigo)

외림프누공(Perilymphatic Fistula)

맺 는 말

가

⁴¹⁾ 가

⁴²⁾ (explosive blast),
(barotrauma), physical exertion, Mondini

⁴³⁾ 가

가

⁴¹⁾ 1) (barotrauma),
episodic vertigo,
2) 가
3) 4)
5) 가 가 ⁴⁴⁾
45) 1)
2)
3) fistula
(dysequilibrium)
가

가

중심 단어 :

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