

Ramsay-Hunt 증후군에 대한 임상적 고찰

김태현¹ · 박성철¹ · 정철우¹ · 최정섭¹ · 조용범²

A Clinical Analysis of Ramsay-Hunt Syndrome

Tae-Hyun Kim, M.D.¹, Seong-Chul Park, M.D.¹, Chul-Woo Jung, M.D.¹,
Jeong-Seob Choi, M.D.¹, Yong-Bum Cho, M.D.²

ABSTRACT

Ramsay-Hunt syndrome is a viral disease associated with otalgia, herpetic eruptions, facial nerve palsy and cochleovestibular dysfunction, and is not frequently encountered in otolaryngologic field.

A clinical observation and analysis was done on 22 patients with Ramsay-Hunt syndrome, who visited Chonnam National University Hospital from Jan. 1991 to Jun. 1996 and the results were as follows ;

1) Sex distribution showed male predominance (59.1%) and age distribution showed slight predominance in 6th decade (27.3%).

2) The occurrence rates of otalgia and vesicular eruption were respectively 95.5%, and facial paralysis was 100%. The occurrence rate of inner ear symptom was 50%. More specifically, hearing loss was 18.2%, tinnitus was 22.7% and dizziness was 31.8%.

3) In 42.9% of cases, the vesicular eruption preceded the facial paralysis.

4) Most frequently involved site of the vesicular eruption was auricle and external auditory canal (95.2%).

5) In House-Brackmann classification, grade V was most common (36.4%).

6) In electroneuronography test, the cases remaining more than 10% responses compared with normal side were 63.6%.

7) In many cases, the patients in the lower grades of House-Brackmann classification showed more than 10% responses in ENoG test, while less than 10% responses were shown in the higher grades. (2(1):75-80, 1998)

KEY WORDS : Ramsay-Hunt syndrome · Clinical analysis.

서 론

Ramsay-Hunt varicella-zoster
(chicken pox)

1

Department of Otorhinolaryngology, Namkwang Hospital, College of Medicine, Seonam University, Kwangju, Korea

2

Department of Otorhinolaryngology, College of Medicine, Chonnam National University, Kwangju, Korea

: , 506-157 120-1) (062) 370-7662,) (062) 371-3092

Ramsay - Hunt

대상 및 방법		결과	
1991 1	1996 6	성별 및 연령별 빈도	
Ramsay - Hunt 22		가 13 (59.1%), 가 9 (40.9%)	
Ramsay - Hunt		가 6 (27.3%), 가 10 (4.5%), 10 가 3 (13.6%), 30 가 5 (22.7%), 40 가 2 (9.1%)	
1991 1	1996 6	임상증상 및 발현양상	
Ramsay - Hunt 22		가 21 (95.5%), 가 1 (100%)	
(耳) ()		가 11 (50%), 가 4 (18.2%), 가 5 (22.7%), 가 7 (31.8%)	
House - Brackmann(H - B)		(Table 1). , 6	
Electro - neuronography(ENoG)		가 2	
H - B	ENoG		
Counterpoint	ENoG Dantec 48		
	10 14	ENoG 가 21 (42.9%), 가 5 (23.8%), 가 7 (33.3%)	
Herpes - zoster 가 4	가가 acyclovir		
		가 21 (95.2%), 가 2 (9.5%), 가 1 (4.8%)	

Table 1. Clinical manifestations

Case No.	Otalgia	Vesicle	FNP	Deafness	Tinnitus	Dizziness
1	+	+	+	+	+	+
2	+	+	+	+		
3	+	+	+	+		
4	+	+	+			+
5	+	+	+			
6	+	+	+			+
7	+	+	+			
8	+	+	+			
9	+	+	+			
10	+	+	+	+	+	
11	+	+	+			
12	+	+	+			
13	+	+	+		+	+
14	+	+	+			+
15	+	+	+			
16	+	+	+			
17	+	+	+		+	
18	+	+	+			
19	+	+	+		+	+
20	+	+	+			
21	+	+	+			+
22	+	+	+			
No of pt (%)	21 (95.5)	21 (95.5)	22 (100)	4 (18.2)	5 (22.7)	7 (31.8)

FNP : Facial nerve paralysis

Table 2. Distribution of vesicular eruptions

Lesion site	No. of patients (%)
Auricle &/or EAC	20(95.2)
Face	2(9.5)
Cervical dermatomes	1(4.8)
Thorax & Lumber	1(4.8)
Oropharynx	5(23.8)

EAC : External auditory canal

Table 3. House-Brackmann grade and ENoG value

Case No.	1	2	3	4	5	6	7	8	9	10	11
H-B grade											
ENoG (%)	<10	<10	<10	10	<10	10	10	10	10	10	10
Case No.	12	13	14	15	16	17	18	19	20	21	22
H-B grade											
ENoG (%)	10	10	10	<10	<10	10	<10	<10	10	10	10

1 (4.8%),

5 (23.8%) (Table 2).

안면신경마비의 정도

H - B

ENoG

H - B

H - B

가 8 (36.4%)

가 1

(4.5%), 7 (31.8%), 5 (22.7%),
1 (4.5%) (Table 3).

ENoG

ENoG

10%

14 (63.6%)

10%

8 (36.4%)

(Table 3).

H - B

ENoG

H - B

8

ENoG

10%

H - B

1

ENoG

10%

(80%)

ENoG

10%

1 (20%)

10%

ENoG

H - B

8

6 (75%)

ENoG

10%

2 (25%)

10%

(Fig. 1).

Ramsay - Hunt

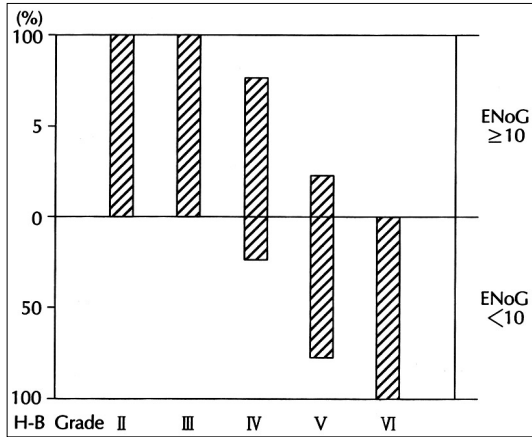


Fig. 1. Comparative analysis of House-Brackmann grade and ENoG value.

고찰

Ramsay - Hunt

Hunt Bell

가 Bell 가 가

1-6) 1872 Tryde herpes

zoster, 1904

Tschiassny Körner

herpes zoster

herpes zoster oticus

10 60

30 50 5

(22.7%) 6 (27.3%)

7) 8) 40

Devriese²⁾ 50, 60

38.9 Devriese²⁾

49.9 10

가 13 (59.1%), 가 9 (40.9%)

가 20% 가⁷⁾

가 2 Robill -

ard⁵⁾ 가 20% 가

21 (95.5%), 가

(100%) 1

Ramsay - Hunt

(greater superficial petrosal nerve)

(chorda tympani nerve)

5, 7, 9, 10

9)

11 (50%)

, 8) 49%, 7) 50%

10) 26.7%, Devriese²⁾ 78.1%

7

(31.8%) 4

(18.2%), 5 (22.7%) 7)

41.7%, 33.3%

(72%)

8) , Devriese²⁾ 68.8%,

71.9%

Ramsay - Hunt¹¹⁾ 1)

geniculate herpes(herpes oticus),²⁾ gasserian her -

pes zoster(herpes facialis),³⁾ cervical herpes zoster

(herpes occipito - collaris)

12)

가

가

¹³⁾ 6가
 Hunt , 11 10 14
 (50%), 4 (18.2%), 3 (13.6%) ¹⁵⁾ Fisch¹⁶⁾
 가 5 ENoG
 가 4 (18.2%) ¹²⁾ Hunt 가 , 10
 40% 가 14 ENoG 가
⁸⁾ Hunt 38% 가 10 ENoG
 90% 가
 10%
 21 20 14 (63.6%) 10%
 (95.2%), 가 2 (9.5%), 18 (36.4%) ⁷⁾ 10%
 가 1 (4.8%), 1 (4.8%), 70%, 10% 30%
 5 (23.8%) 2가 가
 Devriese²⁾ (耳) 가 59.4%, 가 H-B
 21.9%, 가 12.5%, 가 3.1%, ENoG H-B
 가 34.4% Tschiasny¹⁴⁾ 가
 31.8%, 가 22.7%, 가 45.4% ENoG 8 H-B
 1 ENoG 10%
 H-B 5 4 (80%)
 Devr - ENoG 10% 1 (20%)
 iese³⁾ 가 10% H-B 8
 25% 6 (75%) ENoG 10%
 가 2 (25%) 10%
 가 2
 21 7 (33.3%) 10 H-B
 가 9 (42.9%), 가 가 Ramsay - Hunt
 5 (23.8%) Devriese ,
 가 ⁷⁾ (58.3%) ,
 ENoG
 H-B ¹⁵⁾
 H-B 가 8 Ramsay - Hunt
 (36.4%) 가 ,
 1 (4.5%), 7 (31.8%), 5
 (22.7%), 1 (4.5) ⁷⁾ 가
 33.3% 가 ⁸⁾
 가 53 % 가 요약
 ENoG
 ENoG 1991 1 1996 6 5 6
 48

Ramsay - Hunt

Ramsay - Hunt
22

1) 가 59.1%
50 가 27.3% 가

2) 95.5%,
50%
18.2%, 22.7%,
31.8%

3) 가 42.9%

4) 95.2%
가

5) H - B 가 36.4% 가

6) ENoG 10%
63.6%

7) H - B ENoG 10%
가 H - B
가 ENoG 10%

참고 문헌

1) Adour KK, Wingerd J. Idiopathic facial paralysis (Bell's palsy): Factors affecting severity and outcome in 446 patients. *Neurology* 1974;24:1112-6.

2) Devriese PP. Facial paralysis in cephalic herpes zoster. *Ann Otol Rhinol Laryngol* 1968;77:1101-19.

3) Devriese PP, Moesker WH. The natural history of facial paralysis in herpes zoster. *Clin Otolaryngol* 1988;13:289-98.

4) Peitersen E. Spontaneous course of Bell's palsy. In: *Facial Surgery* (ed. Fisch), Amstelveen: Kugler Medical Publication, 1977:337-43.

5) Robillard RB, Hilsinger RL, Adour KK. Ramsay-Hunt facial paralysis: Clinical analysis of 185 patients. *Otolaryngol Head Neck Surg* 1986;95:292-7.

6) Taterka JH, O'Sullivan ME. The motor complications of herpes zoster. *JAMA* 1943;122:737-9.

7) Choo MJ, Yang SD, Shin SO, Choi YS. Analysis of the prognostic factors of Ramsay-Hunt syndrome. *Korea J Otolaryngol* 1996;39:217-22.

8) Shin KW, Yang IA, Cho KS, Im SK. Clinical analysis of the prognosis of Ramsay-Hunt syndrome. *Korea J Otolaryngol* 1995;38:57-63.

9) McGovern FH, Fitz-Hugh GS. Herpes zoster of the cephalic extremity. *Arch Otolaryngol* 1952;55:307.

10) Jung TG, Jun KH, Lee KS, Yoon TH, Chu KC. Ramsay-Hunt syndrome: Treatment of facial nerve palsy with acyclovir and prednisolone. *Korea J Otolaryngol* 1995;38:842-6.

11) Hunt JR. On Herpetic inflammation of the geniculate ganglion: A new syndrome & its complication. *J Nerve & Ment Dis* 1907;34:73-96.

12) Cho JG, Choi DG, Yoon CG. Ramsay-Hunt syndrome. *Korea J Otolaryngol* 1978;21:73.

13) Zajtchuk JT, Lindsay JR, Matz GJ. Temporal bone pathology in herpes zoster oticus. *Ann Otol Rhinol Laryngol* 1972;81:331-8.

14) Tschiasny K. The site of the facial nerve lesion in cases of Ramsay Hunt's syndrome. *Ann Otol Rhinol Laryngol* 1946;55:152.

15) May M, Shambaugh GE. Facial nerve paralysis. In: *Otolaryngology* (ed. Paparella MM et al), Vol 2, 3rd ed. Philadelphia: WB Saunders, 1991:1097-126.

16) Fisch U. Prognostic value of electrical tests in acute facial paralysis. *Am J Otol* 1984;5:494-8.