

()

*

*

Characteristics of the Patients with Headache at a Primary Care Neurology Clinic

Gwang-Byeng Ahn, M.D., Jae-Moon Kim, M.D.*

Ahn Gwang-Byeng Neurology Clinic,
Department of Neurology, College of Medicine, Chungnam National University*

Background : We investigated the demographic features and characteristics of headache (HA) in patients visiting a primary care clinic (PCC). **Methods :** We prospectively collected the demographic and clinical data of 261 consecutive HA patients in a PCC located in Taejon from Oct. 1996 to Jul. 1998. All patients were interviewed and examined by a single neurologist. The types of HA were classified as migraine, tension-type, mixed, and others. **Results :** The mean age at the initial visit was 37.2 ± 13.4 years. Women were 3 times more common than men (193 patients vs. 68 patients). More than half of the female patients were housewives (47.5%). Migraine was the most common type of headache (114 patients, 43.7%), followed by mixed type (72 patients, 27.6%) and tension-type headaches (57 patients, 21.8%). 85.7% of patients with HA for more than 1 month had taken medication before their initial visit. Among the 168 patients who reported their attitude toward HA, 55 patients continuously worried about their HA even in the HA-free period. **Conclusions :** In a PCC, migraine was the prevailing type of HA. The majority of HA sufferers were housewives.

J Korean Neurol Assoc 18(1):33-37, 2000

Key Words : Headache, Primary Care Clinic, Migraine, Women, Housewives

가

가

2/3가

1/5

가

가

1-4

가

가

가

가

가

가

1996 10 1998 7
261

가

(protocol)

(Fig. 1)

3

가

가

1

18

Manuscript received May 11, 1999.
Accepted in final form September 10, 1999.

* Address for correspondence

Gwang-Byeng Ahn, M.D.
Department of Neurology,
Ahn Gwang-Byeng Neurology Clinic
Samchun-dong 1012, Seo-ku, Taejon, 302-222, Korea
Tel : +82-42-486-8100, Fax : +82-42-486-8101
E-mail : ghahn@hitel.net

1. (1) 9 (2) 10 (3) 20 (4) 30 (5) 40 (6) 50 (7) ()
2. (1) (2) (3) (4) (5) (6) , (7) (8)
3. ()
4. (1) (2)
5. (1) (2)
6. (1) (, ,) (2) ; () / , () / () /
7. (1) (2) (3) (4) (5) (6) (7)
8. 가가 가 ? (1) (2) (3) (4) (5) (6) (7)
9. ?
- (1) (2) () (3)
10. ?
- (1) (2) .
- (3) (4) . (;) , (;)
- (5) .
11. ()
- (1) 4 (2) 4 -1 (3) 1 (4) 1 -3 (5) 3 (6)
12. (1) () (2) () (3) ()
13. (1) ; , , 가 (2) , (3) (4) (5) ;
14. (1) , (2) (3) , (4) , (4) , (5) (6) (7) (8) ;
15. (1) (2) (3) (4) (5)
16. (1) (2) (3) (4) (5) (6) (7) (8) (9)
- (10) (11) (12) (13) (14) (15) (16) (17)
- (18) (19) (20) ;
17. (1) (2) .
- (a) , (b) (c) (d) (e) (f)
- (g) TV (h) (i) (j)
18. (1) (2) .
- (a) (b) (c) (d) (e) 가 (f) (g)
- (h) (i) () (j)
19. ()
20. 가 (1) (2) (3) (4) (5)
21. (1) (a) (b) (c)
- (2) (a) (b) (c)
- (3) (a) (b) (c) (d) (e) (f)
- (4) (a) 가 (b)
- (5) (a) (b) (c)
- (6) (a) (b) ergotamine (c)
22. (1) (2)
23. (1) (2)
24. ?
- (1) ()
- (2) (a) (b) (c) (d)
- (3) (a) . (b) (c) 가 (d)
- (4) (a) , (b) (c) .
- (5) (a) (b) . (c)
25. ?
- (1) (2) (3) (4)
- (5) (6) . (7)
26. 가 ?
- (1) (2) (3)
- (4) 가 (5) ()
27. (1) (2) (3)

Figure 1. Protocol of headache history taking

, 19-23 가 31 (26.7%) 3가
 , 24-27 6 (5.2%) 가
 98 (57.4%) ‘
 가 25 (14.6%), ‘ , 48
 (28.1%) .

5.
 1. 168 가 55
 261 가 68 , 193 가 53 64.2%
 (1:3) 가 가 , ‘ 가 60 (35.7%)
 121 (46.4%) 가 42 ‘ ‘
 (16.1%), 36 (13.8%), 26 (10.0%),
 20 (7.7%), 9 (3.4%), 7 (2.7%)

2. 114(43.7%) 가 57.7%¹ 49.4%²가
 , 72 (27.6%), 57 (21.8%), 59% 가
 18 (6.9%) (Table 1). 가 20%
 41.2 가 가 5
 35.9 , 35.6 , 38.8 .⁶
 (Table 1). 가

가
 , 가
 가
 (Table 2).

3. 173
 (83.6%)
 1 94
 (54.3%) 가 2 22 , 3
 4 , 6 , 15 가
 32 (18.5%) (Table 3).

4. 가 가 79 (68.1%) 가

Table 3. Type of medication (OTC group)

Group	n=173
Group 1	94(54.3%)
Group 2	22(12.7%)
Group 3	4(2.3%)
Others	6(3.5%)
Herb	15(8.7%)
unclassifiable	32(18.5%)

Group 1: Geborin, Tyrenol, Penzal
 Group 2: Migapen, Mydrin
 Group 3: Hormon Tx, etc

Table 1. Sex distribution of the headache according to headache type

	Migraine	Tension type	Mixed	Others	Total
n(%)	114(43.7%)	57(21.8%)	72(27.6%)	18(6.9%)	261
Mean age(yrs)	35.6	41.2	35.9	38.8	
Male	24	18	17	9	68
Female	90	39	55	9	193

Table 2. Location of the headache according to headache type

	Migraine	Tension type	Mixed	Others	n=261
Frontal	32	13	17	4	66
Temporal	27	6	17	1	51
Parietal	4	3	5	2	14
Occipital	35	19	17	3	74
Diffuse	16	16	16	8	56

1) , 2) , 3) , 4)
, 5) 2 가 common
migraine 7 Glaxo Wellcome
Migraine Resource Center(<http://www.migraine-help.com/>)

, 2) , 3)
, 4) 2 1)
가 , 2)
가 가 가

(International
headache society, IHS)

, 1988 IHS
headache, CDH)
IHS
가 1
Ad Hoc Committee
(mixed headache)
가
(other group)

IHS
가 1
Ad Hoc Committee
(mixed headache)
가
(other group)

가 1
Ad Hoc Committee
(mixed headache)
가
(other group)

가
(over-the-counter, OTC)
OTC
가
IHS
OTC
CDH
CDH
underdiagnosis
IHS

가
(over-the-counter, OTC)
OTC
가
IHS
OTC
CDH
CDH
underdiagnosis
IHS

가
(over-the-counter, OTC)
OTC
가
IHS
OTC
CDH
CDH
underdiagnosis
IHS

3
30 , 40 가
,³ 40-60 가
,⁴ 가 가
,³ 가
4
2-3
1.45 ~ 4

3
30 , 40 가
,³ 40-60 가
,⁴ 가 가
,³ 가
4
2-3
1.45 ~ 4

1.45 ~ 4

^{12,13}
가 ,
가 ^{12,13}
43.7%, 21.8%,
가 6.9%

27.6%,
가 15.3%,
¹⁴
1
가 가
가 가
가 가

(International
headache society, IHS)

⁸
가 가
가 Mathew ⁹
(chronic daily
headache, CDH)
IHS
가 1
Ad Hoc Committee
(mixed headache)
가
(other group)

IHS
가 1
Ad Hoc Committee
(mixed headache)
가
(other group)

가 1
Ad Hoc Committee
(mixed headache)
가
(other group)

가
(over-the-counter, OTC)
OTC
가
IHS
OTC
CDH
CDH
underdiagnosis
IHS

가
(over-the-counter, OTC)
OTC
가
IHS
OTC
CDH
CDH
underdiagnosis
IHS

가
(over-the-counter, OTC)
OTC
가
IHS
OTC
CDH
CDH
underdiagnosis
IHS

3
30 , 40 가
,³ 40-60 가
,⁴ 가 가
,³ 가
4
2-3
1.45 ~ 4

3
30 , 40 가
,³ 40-60 가
,⁴ 가 가
,³ 가
4
2-3
1.45 ~ 4

1.45 ~ 4

168 64.2%가
60.2%가

1

가

OTC

가

가

, OTC

(, ,)

가

REFERENCES

1. Roh JK, Kim JS, Ahn YO. Epidemiological and Clinical Characteristics of Migraine in Korea. *J Korean Neurol Assoc* 1997;15:1-18.
2. Kim JS, Roh JK, Ahn YO. Epidemiological and Clinical Characteristics of Tension-type Headache in Korea. *J Korean Neurol Assoc* 1997;15:615-623.
3. Park CS, Byun YJ, Ha JS. Clinical analysis of Headache. *J Korean Neurol Assoc* 1985;3:121-129.
4. Do JK, Oh HJ, Lee DK. Clinical Characteristics of Chronic Daily Headache Patients Visit to University Hospital. *J Korean Neurol Assoc* 1999;17:38-44.
5. Pryse-Phillips W, Findlay H, Tugwell, Edmeads J, Murray TJ, Nelson RF. A Canadian population survey on the clinical, epidemiologic and societal impact of migraine and tension-type headache. *Can J Neurol Sci* 1992;19:333-339.
6. Stang P, Von Korff M, Galer BS. Reduced labor force participation among primary care patients with headache.

- J Gen Inter Med* 1998;13:286-302.
7. Solomon S, Lipton RB. Criteria for the diagnosis of migraine in clinical practice. *Headache* 1991;31:384-387.
8. Iversen HK, Langemark M, Anderson PG, Hansen PE, Olesen J. Clinical characteristics of migraine and episodic tension-type headache in relation to old and new diagnostic criteria. *Headache* 1990;30:514-519.
9. Mathew NT, Reuveni U, Perez F. Transformed or evolutive migraine. *Headache* 1987;27:102-106.
10. Pfaffenrath V, Isler H. Evaluation of the nosology of chronic tension-type headache. *Cephalalgia* 1993;13 (Suppl 12):60-62.
11. Manzoni GC. Classification of primary headache and International Headache Society diagnostic criteria 1988:critical review. *Ital J Neurol Sci* 1995;16 (Suppl 8):9-14.
12. Celentano DD, Linet MS, Stewart WF. Gender differences in the experience of headache. *Soc Sci Med* 1990;30:1289-1295.
13. Gobel H, Petersen-Braun M, Soyka D. The epidemiology of headache in Germany: a nationwide survey of a representative sample on the basis of the headache classification of the International Headache Society. *Cephalalgia* 1994;14:7-106.
14. Becker L, Iverson DC, Reed FM, Calonge N, Miller RS, Freeman WL. Patients with new headache in primary care: a report from ASPN. *J Fam Prac* 1988;27:41-47
15. Korea Index of Medical Specialist(KIMS). Seoul. *MediMedia* 1997.
16. Sheftell FD. Role and impact of over-the-counter medications in the management of headache. *Neruol Clin* 1997; 15:187-198.
17. Sandrini G, Manzoni GC, Zanferrari C, Nappi G. An epidemiological approach to the nosography of chronic daily headache. *Cephalalgia* 1993;13 (suppl 12):72-77.
18. Winnem M, Eskerud J, Monstad I, Kierulf H, Aasen J, Skovlund E. Diagnosis of migraine in general practice. *Tidsskr Nor Laegeforen* 1993;113:2386-2388.