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## An Evaluation Study of Hypertension Information Providing Web Sites on the Internet

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### Abstract

This research was conducted to analyze websites that provide hypertension information in Korea and to provide a proper model for developing sites that give information about hypertension to educate Korean people on promoting their health. Quantitative analysis of the 168 websites, which are categorized as health institutions in popular search engines, and qualitative analysis for the 16 websites that provide hypertension information were carried out. Only 27% of the university hospitals/tertiary hospital websites provided hypertension related information, and most of them provided only a single page of hypertension related information. Among 16 hypertension information-providing websites, 75% have a bulletin board to receive user's opinions and requests, however, 50% was not responsive, and therefore, interactivity is not guaranteed. Most of the websites do not provide information sources and did not employ full multimedia capabilities. Only 50% of the websites provided the last updated time. Websites providing professional hypertension information must be developed to educate the Korean public about measures they can take to promote general health level. (*Journal of Korean Society of Medical Informatics 9-1,45~52, 2003*)

**Keyword** : Hypertension, Website Evaluation, Internet

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18

Table 1. Statistical Analysis of Hypertension Information and Web Service Features of Tertiary Hospitals' Homepages

|       | Hypertension Information<br>N (%) | Medical Consult<br>N (%) | Bulletin Board<br>N (%) | Webmaster e-mail<br>N (%) | Sitemap<br>N (%) | Search<br>N (%) |
|-------|-----------------------------------|--------------------------|-------------------------|---------------------------|------------------|-----------------|
| Yes   | 44(27)                            | 106(63)                  | 132(78)                 | 128(76)                   | 103(61)          | 99(59)          |
| No    | 124(73)                           | 62(37)                   | 36(22)                  | 40(24)                    | 65(39)           | 69(41)          |
| Total | 168(100)                          | 168(100)                 | 168(100)                | 168(100)                  | 168(100)         | 168(100)        |

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(41%), 1 (57%) , 25 (2%)가 1 (2%)가 2 (5%)

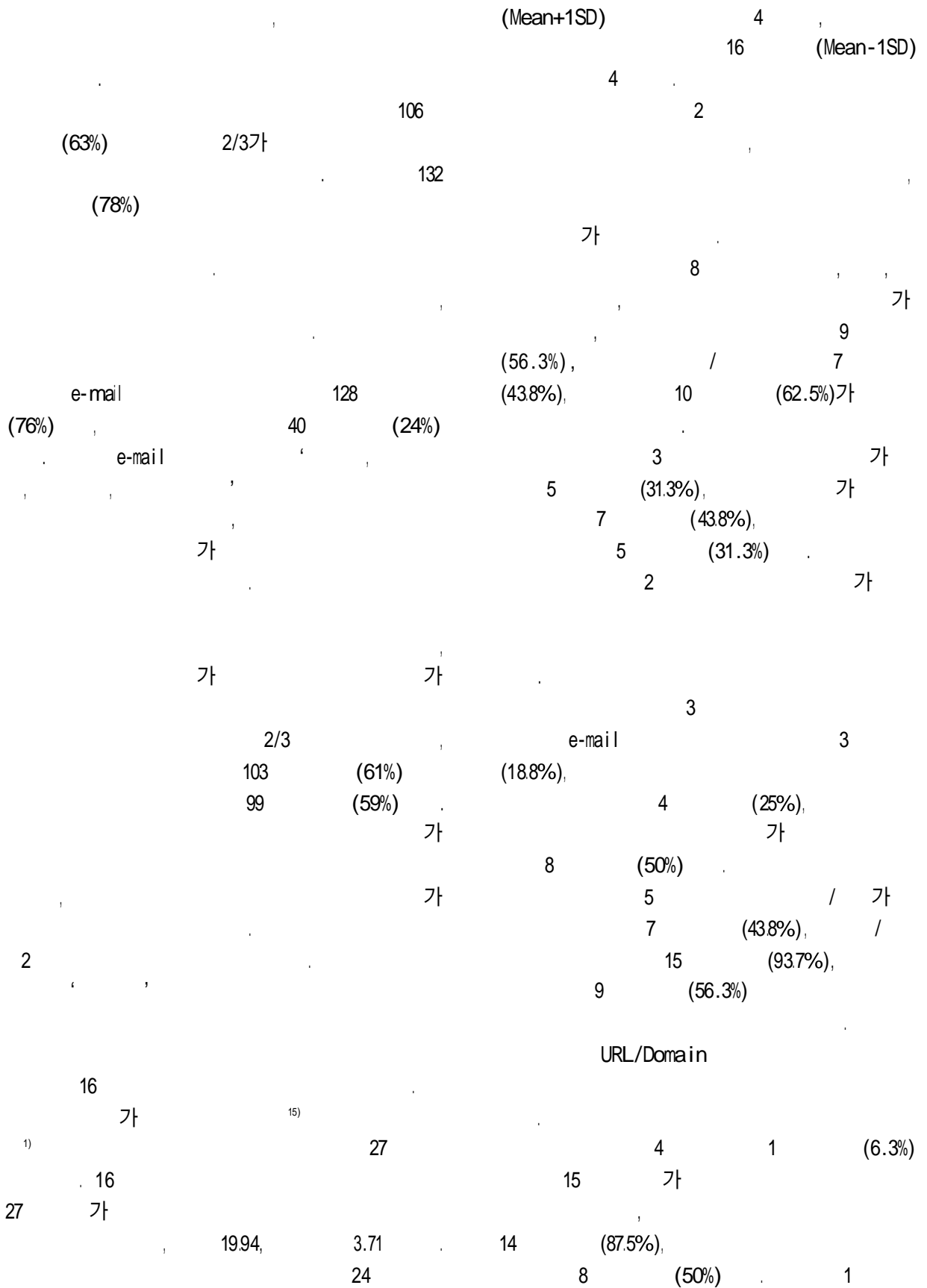
44 / / 31 (70%)가

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10 (23%) e-mail,

Table 2. Analysis of the Hypertension Information providing Sites by Web Evaluation Criteria

|  |            |                | N (%)    |          |
|--|------------|----------------|----------|----------|
|  |            |                | N (%)    | N (%)    |
|  |            |                | 16(100)  | 0(0)     |
|  |            |                | 16(100)  | 0(0)     |
|  |            |                | 16(100)  | 0(0)     |
|  |            |                | 16(100)  | 0(0)     |
|  | /          |                | 7(43.8)  | 9(56.2)  |
|  |            |                | 9(56.2)  | 7(43.8)  |
|  |            | 가              | 16(100)  | 0(0)     |
|  |            | 가              | 16(100)  | 0(0)     |
|  |            | 가              | 6(37.5)  | 10(62.5) |
|  |            | 가              | 11(68.7) | 5(31.3)  |
|  |            | (e-mail, tel)가 | 9(56.2)  | 7(43.8)  |
|  |            | 가              | 11(68.7) | 5(31.3)  |
|  |            | / /            | 16(100)  | 0(0)     |
|  |            | / / 가          | 16(100)  | 0(0)     |
|  |            | 가 e-mail       | 13(81.2) | 3(18.8)  |
|  |            | (Q & A, )      | 12(75)   | 4(25)    |
|  |            | (Q & A, )      | 8(50)    | 8(50)    |
|  | /          | 가              | 9(56.2)  | 7(43.8)  |
|  | /          |                | 1(6.3)   | 15(93.7) |
|  |            |                | 7(43.8)  | 9(56.2)  |
|  | URL/Domain | URL/Domain     | 16(100)  | 0(0)     |
|  |            |                | 15(93.7) | 1(6.3)   |
|  |            | 가              | 15(93.7) | 1(6.3)   |
|  |            | 가              | 2(12.5)  | 14(87.5) |
|  |            |                | 8(50)    | 8(50)    |
|  |            | 가 가            | 15(93.7) | 1(6.3)   |



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(6.3%)

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24%

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27%

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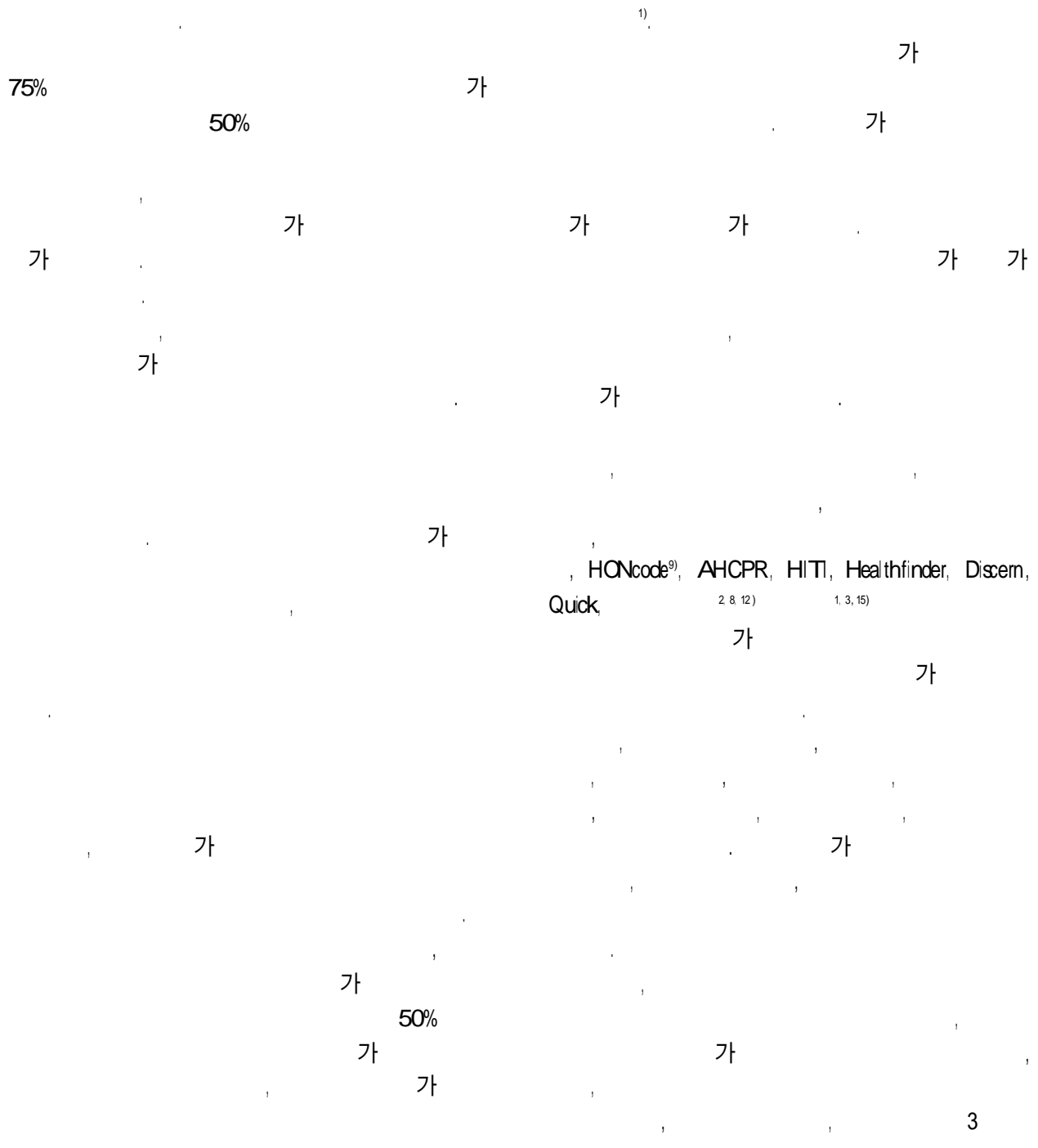
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