

: 2006 3 24
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 . 1) 3가 10
 ; 2) ; 3)
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 4.6 (3~5)
 CT MR
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17
4가
1) ; 2)
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5
SPSS (version 11.0; SPSS, Chicago, IL)
Wilcoxon
signed rank test . P 0.05
17 가 14
가 3
4 , 가 4 , 가 9 (Fig. 1).

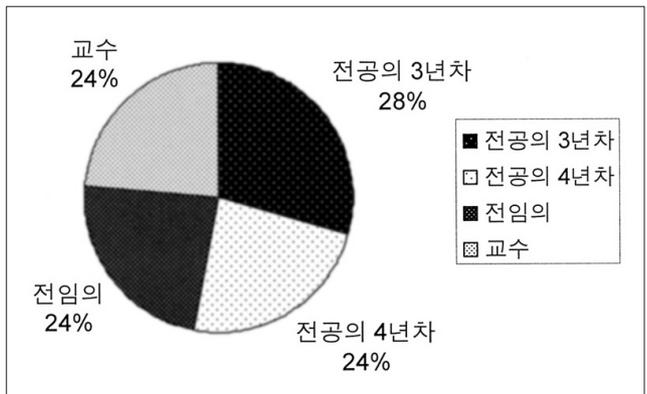


Fig. 1. The analysis of survey participants.

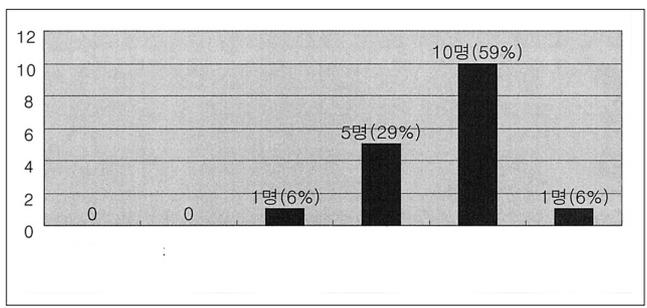


Fig. 2. The satisfaction score on the around-the-clock radiology coverage system by two full-time radiology residents compared with the previous system by night-duty resident.

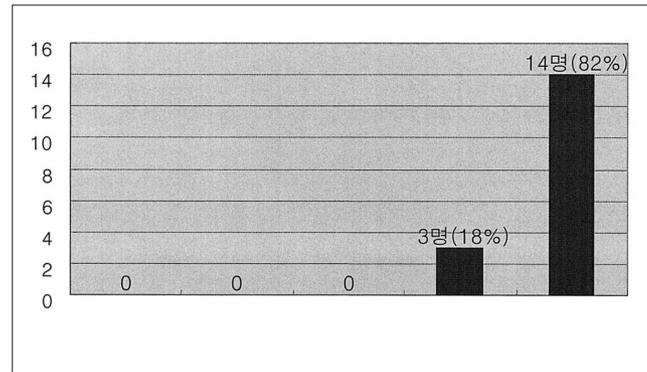


Fig. 3. The satisfaction score on the preliminary interpretation system by radiology residents.

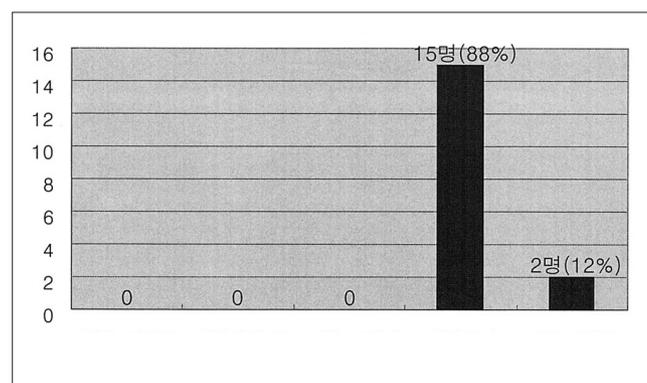
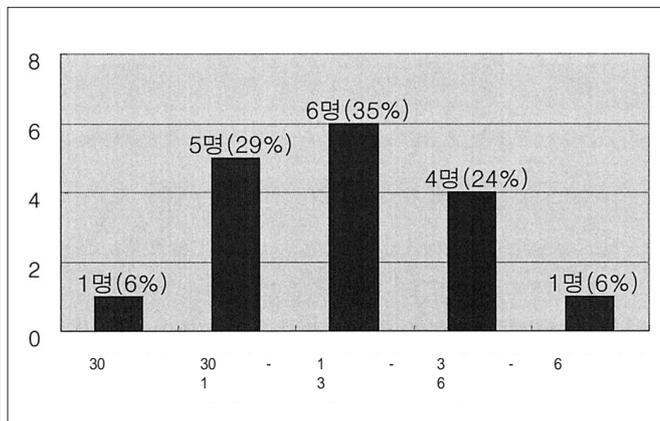
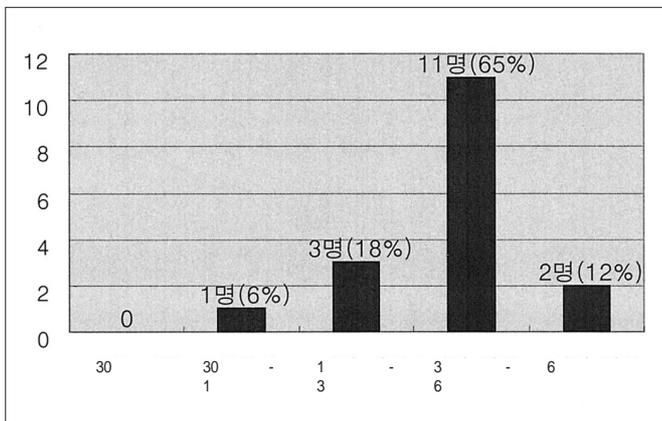


Fig. 4. The reliability score of the preliminary interpretations by radiology residents.



A The sensory index of the time for the final interpretations.
B The sensory index of the time for the preliminary interpretations.

2006 3 12 , 4 5
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 4.6
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 (Fig. 2).
 (6) , (6
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 15 , 4 가 2
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 CT MR PACS
 4.8 (, 14 ; , 3)
 (Fig. 3).
 4.1 (, 15 ; , 2) 가
 (Fig. 4).
 5.0
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 ($p=0.002$, Fig. 5). , 17 10
 가 16 , 가 1 4.9 call , 2, 3 on
 (Fig. 6).

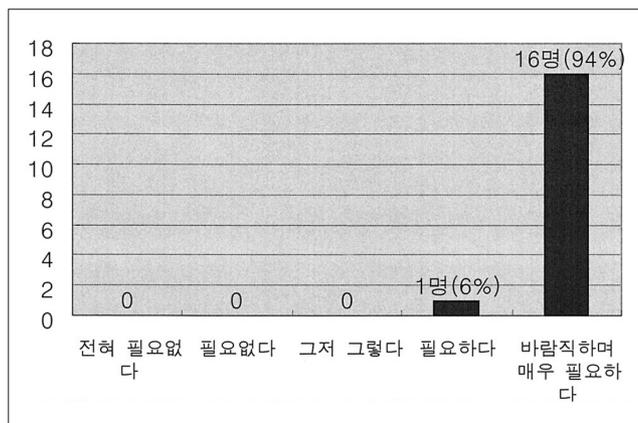


Fig. 6. The need of the interpretation assistance system by board-certified radiologists.

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10. junior faculty 가 6 10 , 1 5
3 backup ()
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New Around-the-clock Radiology Coverage System for the Emergency Department: A Satisfaction Survey among Clinicians¹

Young Hun Choi, M.D., Hwan Jun Jae, M.D.^{1,2}, Cheong-Il Shin, M.D.,
Su Jin Song, M.D., Won Cheol Cha, M.D.², Dong Gyu Na, M.D.

¹Department of Radiology, Seoul National University Hospital

²Emergency Medicine, Seoul National University Hospital

Purpose: The purpose of this study was to assess the clinician satisfaction of a newly introduced around-the-clock radiology coverage system for the emergency department.

Materials and Methods: Seventeen emergency physicians (8 board certified physicians, 9 residents) were invited to fill out a survey pertaining to the newly introduced radiology coverage system for the emergency department. The questionnaire included 10 questions covering three major topics. The first topic related to the around-the-clock radiology coverage by two full-time radiology residents. The second topic focused on the preliminary interpretations of radiology residents. The last topic included the interpretation assistance system by board-certified radiologists. The answers to each question were assessed using a scoring system of 1 to 5.

Results: The mean satisfaction score of the around-the-clock radiology coverage system by the two full-time radiology residents was 4.6 (range 3 - 5). The mean score for the preliminary interpretation system by the radiology residents was 4.8 (range 4 - 5). The score for the reliability of the preliminary versus the final interpretations was 4.1 (range 4 - 5). Lastly, the mean score for the interpretation assistance system by board-certified radiologists was 4.9 (range 4 - 5).

Conclusion: The results of this study indicate a high satisfaction rating among clinicians ' of the new around-the-clock radiology coverage system for the emergency department.

Index words : Emergency Service, hospital
Radiology and Radiologists, department management