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A Comparison of Patterns of Emergency Care Between Resident and Staff

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Abstract

Background: The doctors' strike was not only a manmade disaster but also a chance to apply a new pattern of emergency medical service for patients. We hope to propose a new pattern of emergency medical service by comparing the patterns of emergency medical service given by resident and staff during the doctors' strike.

Methods: We reviewed the medical records of patients who received emergency medical service in the Emergency Department (ED) of Daegu Catholic University Hospital during 3 days a week prior to the residents' strike (July 21-23, 2000) with those of patients receiving emergency medical service during the first 3 days of the residents' strike (July 28-30, 2000). We evaluated the patient's severity, the cause of the ED visit, the performance on the laboratory study, ECG, and radiological study, the disposition, and the length of ED stay. Also, we compared the collected data by presenting doctor and by patient's severity.

Results: The staff performed fewer tests and admitted fewer emergent and non-emergent patients than the residents. Also, the length of ED stay was shorter in both the emergent (212.76 vs. 321.40 minutes) and the non-emergent groups (117.68 vs. 171.39 minutes) for patients presenting to staff.

Conclusion: It is desirable that emergency medical service is given by staff, not by resident.

Key Words: Emergency medical services, **Strike**

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(45.5 vs 35.0%),

(68.3 vs 59.3%)

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	(/)	(mmHg)	(/)	()
	120-180	40-60	55-65	
	90-170	52-92	40-60	
1-6	110-180	60-104	30-50	
6 -1	120-140	65-125	25-35	35-38.5
1-4	100-110	80-95	20-30	
4-8	90-100	90-100	14-20	
8-12	60-110	100-110	12-20	
12	60-110	90-160	12-20	

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		가	가	² -value	P-value
		n(%)	n(%)		
	(215)	144 (58.5)	71 (57.7)	0.022	0.881
	(154)	102 (41.5)	52 (42.3)		
10	(127)	78 (31.7)	49 (39.8)	10.061	0.185
11-20	(19)	13 (5.3)	6 (4.9)		
21-30	(52)	37 (15.0)	15 (12.2)		
31-40	(49)	30 (12.2)	19 (15.4)		
41-50	(41)	30 (12.2)	11 (8.9)		
51-60	(35)	27 (11.0)	8 (6.5)		
61-70	(26)	21 (8.5)	5 (4.1)		
71	(20)	10 (4.1)	10 (8.1)		
	(155)	112 (45.5)	43 (35.0)	3.760	0.052
	(214)	134 (54.5)	80 (65.0)		
	(230)	146 (59.3)	84 (68.3)	2.793	0.095
	(139)	100 (40.7)	39 (31.7)		
	(369)	246 (100)	123 (100)		

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		χ^2 (P)			χ^2 (P)	CMH χ^2 (P) [†]
82(73.2)	41(30.6)		30(69.8)	18(22.5)		
		44.322(0.000) [*]			26.259(0.000) [*]	70.214(0.000) [*]
30(26.8)	93(69.4)		13(30.2)	62(77.5)		
68(60.7)	26(19.4)		23(53.5)	10(12.5)		
		44.099(0.000) [*]			23.935(0.000) [*]	67.579(0.000) [*]
44(39.3)	108(80.6)		20(46.5)	70(87.5)		
99(88.4)	90(67.2)		33(76.7)	37(46.2)		
		15.444(0.000) [*]			10.303(0.001) [*]	26.039(0.000) [*]
13(11.6)	44(32.8)		10(23.3)	43(53.8)		
58(51.8)	28(20.9)		20(46.5)	11(13.8)		
		25.602(0.000) [*]			15.924(0.000) [*]	40.976(0.000) [*]
54(48.2)	106(79.1)		23(53.5)	69(86.2)		

† : Cochran Mantel Hantzel χ^2 - , * : P<0.01

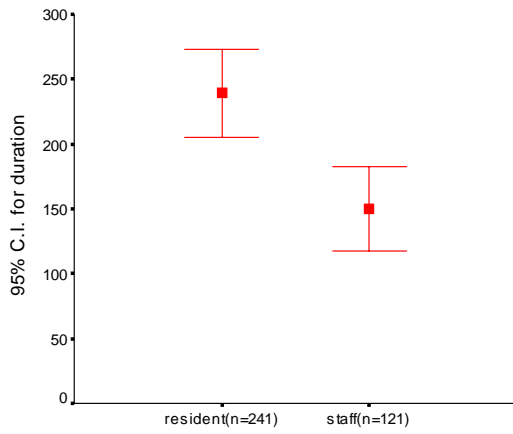
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	n	mean(S.D)	t - value	p - value
(n=362)	241	239.24(267.30)	3.769 [‡]	0.000 ^{**}
	121	149.89(179.20)		
(n=150)	109	321.40(334.39)	2.361 [‡]	0.029 [*]
	41	212.76(211.60)		
(n=212)	132	171.39(168.69)	2.333	0.021 [*]
	80	117.68(151.68)		

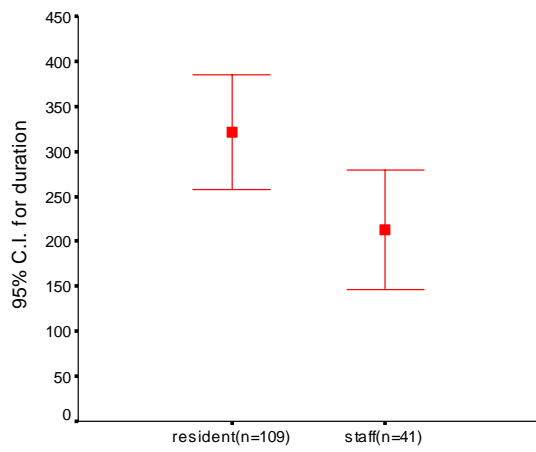
‡ : t- *: p<0.05 **: p<0.01

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