

Article title: Analysis of the Prognosis Outcomes and Treatment Delay Among ST-Segment Elevation Myocardial Infarction Patients in Emergency Department Based on the Presence of Symptoms Suggestive of COVID-19

Journal name: International Journal of Health Policy and Management (IJHPM)

Authors' information: David Samuel Kwak¹, Joonbum Park^{2*}

¹Department of Family Medicine, Soonchunhyang University Seoul Hospital, Seoul, Republic of Korea.

²Department of Emergency Medicine, Soonchunhyang University Seoul Hospital, Seoul, Republic of Korea.

***Correspondence to:** Joonbum Park; Email: jesumania@gmail.com

Citation: Kwak DS, Park J. Analysis of the prognosis outcomes and treatment delay among ST-segment elevation myocardial infarction patients in emergency department based on the presence of symptoms suggestive of COVID-19. Int J Health Policy Manag. 2024;13:8207. doi:[10.34172/ijhpm.2024.8207](https://doi.org/10.34172/ijhpm.2024.8207)

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Table S1. Characteristics of ST Segment Elevation Myocardial Infarction Patients Who Visited Emergency Departments During Pre-COVID-19 and COVID-19 Periods According to The Presence of Symptom Suggestive of COVID-19

Myocardial infarction	Symptoms suggestive of COVID-19 (+)			Symptoms suggestive of COVID-19 (-)		
	Pre-COVID-19 (n=31)	COVID-19 (n=39)	p-value	Pre-COVID-19 (n=226)	COVID-19 (n=200)	p-value
Age			>0.99			0.060
18-64	13 (41.9%)	16 (41.0%)		147 (65.0%)	112(56.0%)	
≥65	18 (58.1%)	23 (59.0%)		79 (35.0%)	88(44.0%)	
Sex			0.804			0.336
Male	21 (67.7%)	25(64.1%)		197 (87.2%)	167(83.5%)	
Female	10 (32.3%)	14(35.9%)		29 (12.8%)	33(16.5%)	
COVID-19-related symptom			0.053			
Fever	8 (25.8%)	5 (11.9%)		-	-	
Dyspnea	19 (61.3%)	30 (71.4%)		-	-	
Other URI symptoms	4 (12.9%)	7 (16.7%)		-	-	
Vital signs						
Mean Arterial Pressure (mmHg)	93.3 (81.0, 109.2)	93.3 (80.0, 112.8)	0.967	96.7 (83.3, 113.3)	98.5 (85.8, 113.3)	0.614
Heart rate (/min)	97.0 (87.0, 110.5)	89.0 (77.0, 100.5)	0.112	76.0 (65.0, 89.0)	78.5 (66.0, 93.0)	0.195
Respiratory rate (/min)	20.0 (18.0, 23.0)	20.0 (20.0, 26.0)	0.194	18.0 (18.0, 20.0)	18.0 (18.0, 20.0)	0.293
Body temperature (°C)	36.8 (36.1, 37.4)	36.5 (36.0, 36.9)	0.182	36.3 (36.0, 36.7)	36.2 (35.8, 36.5)	0.036
SpO2 (%)	95.0 (87.0, 97.5)	95.0 (85.0, 98.0)	0.802	98.0 (94.0, 99.0)	97.0 (97.0, 99.0)	0.013
Interventions						
PCI treatment	25 (80.7%)	34 (87.2%)	0.520	222 (98.2%)	186 (93.0%)	0.008
Door to EKG time (min)	8.0 (4.5, 11.5)	7.0 (5.0, 16.0)	0.590	6.0 (3.0, 9.0)	8.0 (4.0, 12.0)	<0.001
Door-to-balloon time (min)	73.0 (61.0, 92.0)	97.0 (74.8, 139.8)	0.013	67.0 (54.5, 80.0)	69.0 (55.0, 102.0)	0.2774

Abbreviations: COVID-19, coronavirus disease 2019; URI, upper respiratory syndrome; PCI, percutaneous coronary intervention; EKG, electrocardiogram.

Table S2. Comparing Outcomes of ST Segment Elevated Myocardial Infarction Patients Who Visited Emergency Departments According to The Presence of Symptom Suggestive of COVID-19

	Symptoms suggestive of COVID-19 (+)			Symptoms suggestive of COVID-19 (-)		
	Pre-COVID-19 (n=31)	COVID-19 (n=39)	p-value	Pre-COVID-19 (n=226)	COVID-19 (n=200)	p-value
Length of ED stay	144.0 (76.5, 269.0)	117.0 (80.0, 217.0)	0.958	108.0 (66.0, 163.0)	139.5 (83.5, 292.8)	<0.001
ICU admission or Death in ED	25 (80.7%)	32 (82.1%)	>0.99	214 (94.7%)	174 (87.0%)	0.006
Admission days	8.0 (3.0, 13.0)	6.0 (3.0, 9.5)	0.581	5.0 (3.0, 7.0)	4.0 (3.0, 7.0)	0.231
Mortality within 28 days	4 (15.4%)	8 (21.1%)	0.747	15 (6.8%)	13 (6.7%)	>0.99

Abbreviations: COVID-19, coronavirus disease 2019; ED, emergency department; ICU, intensive care unit

Table S3. Comparing Outcomes of Non-ST Segment Elevated Myocardial Infarction Patients Who Visited Emergency Departments During Pre-COVID-19 and COVID-19 Periods According to The Presence of Symptom Suggestive of COVID-19

	Pre-COVID-19 (n=283)		p-value	COVID-19 (n=204)		p-value
	Symptoms suggestive of COVID-19			Symptoms suggestive of COVID-19		
	Yes (n=94)	No (n=189)		Yes (n=62)	No (n=142)	
EKG time (min)	10.0 (7.0, 16.0)	8.0 (4.0, 13.0)	0.0033	12.5 (8.0, 17.8)	10.0 (7.0, 14.0)	0.0078
Door-to-balloon time (min)	177.0 (145.3, 243.0)	168.5 (115.3, 236.8)	0.4083	303.0 (218.3, 436.5)	207.0 (138.0, 320.5)	0.1619
Length of ED stay	243.5 (167.8, 324.8)	215.0 (155.0, 330.0)	0.2503	407.0 (277.8, 611.5)	342.5 (206.0, 653.0)	0.1561
Admission days	7.0 (4.0, 15.0)	4.0 (3.0, 6.0)	<0.001	8.0 (4.0, 12.0)	4.0 (3.0, 6.0)	<0.001
Mortality within 28 days	6 (7.1%)	5 (2.9%)	0.1847	9 (16.4%)	8 (6.1%)	0.0507

Abbreviations: COVID-19, coronavirus disease 2019; ED, emergency department