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Background and objective: Any patient with suspicious chest pain has to immediately cal emergency medical dispatch center to any suspicious chest pain. As part of a risk of ST eleva myocardial infarction (STEMI), regulator doctor decided to send a mobile intensive care (MICU) immediately after emergency call or after first aid assessment (FAA). Primary outcome : Compare the characteristics of STEMI between when MICU is immediated triggered after emergency call (EC group) or after first aid assessment (FAA group).

Methods: Data derived from a prospective register including STEMI having prin percutaneous coronary intervention (PCI), managed by 6 medical care intensive units (MC from 2003 to 2014.

Results: 1310 STEMI were included, 67% in EC group. The only significant difference betw the 2 populations is when the caller is a healthcare professional (p<0,05). Chest pair catheterization laboratory (cath-lab) delay and mortality do not show significant difference.

Discussion : The regulator doctor's decision is influenced when the call is made by a health care professional, contrary to history and cardiovascular risk factors.

However it does not increase the risk for patients in terms of management delay and survival

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Comparison of ST elevation myocardial infarction (STEMI) : Service de santé mobile intensive care unit (MICU) immediately after emergency call or after first aid assessment

		EC EC
ll the	Effectif	882
ation	Median age [Q1;Q3]	61
unit	Man (%)	717
	Call 15/112/911 by patient n (%)	691
ately	Call to 15/112/911 by practitioner n (%)	161
	Personal coronary heart disease	160
	Familial coronary heart disease	138
mary	smoking	346
CIU),	Diabetes	101
-	High blood pressure	269
	Dyslipidemia	215
veen	Overweight	181
ain —	No antecedent	29
	Prehospital mortality	2
	Hospital mortality	53
	Median delay pain to call 15/112/991	58
	Median delay call 15/112/991 to MCIU first contact	16
	Median delay MCIU first contact to hospital arrival	54
	Median delay pain to hospital arrival	135

Characteristics of STEMI

C group	FAA			
2 (67,4%)	428 (32,7%)	p		
[51;72]	59 [50;71]	0.36		
(81,5%)	333 (78%)	0.14		
(81,1%)	370 (90%)	<0.05		
(18,9%)	41 (9,9%)	<0,05		
(26,4%)	82 (24,9%)	0,63		
(22,7%)	75 (22,8%)	0,98		
6 (57%)	205 (62,3%)	0,12	p (Khi2)	
(16,6%)	68 (20,7%)	0,13		
(44,3%)	133 (40,3%)	0,25		
6 (35,4%)	123 (37,4%)	0,55		
(29,8%)	93 (28,3%)	0,62		
(4,8%)	24 (7,2%)	0,11		
(0,2%)	0	0,32		
6,4%)	18 (4,4%)	0,15		
[22;152]	49 [19;152]	0,25	p (Wilcoxon)	
[11;21]	32 [23;45]	<0,05		
[45;65]	50 [44;60]	<0,05		
[96;230]	145 [105;240]	0,15		