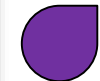


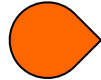
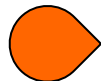
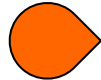
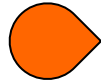


Déclaration de liens d'intérêt avec les industries de santé en rapport avec le thème de la présentation (loi du 04/03/2002) :

Intervenant : Hugues LEFORT

Titre : A prospective registry: best performance for prehospital reperfusion decisions in case of high volume of managed ST-segment elevation myocardial infarction (STEMI)?

 L'orateur ne souhaite pas répondre.

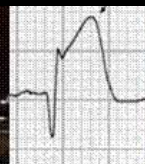
-  Consultant ou membre d'un conseil scientifique OUI NON
-  Conférencier ou auteur/rédacteur rémunéré d'articles ou documents OUI NON
-  Prise en charge de frais de voyage, d'hébergement ou d'inscription à des congrès ou autres manifestations OUI NON
-  Investigateur principal d'une recherche ou d'une étude clinique OUI NON



A prospective registry: best performance for prehospital reperfusion decisions in case of high volume of managed ST-segment elevation myocardial infarction (STEMI)?

**G Lenoir¹, J Gonzva², H Lefort²,
Y Lambert³, A Loyeau⁴, N Danchin⁵, T Boche⁶, F Dupas⁷, S Bataille⁶, F
Lapostolle¹ for the e-Must register.**

1. SAMU 93, Hôpital Avicenne, AP-HP, Bobigny, France
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6. SAMU 94, Hôpital Mondor, AP-HP, Créteil, France
7. SAMU 95, Hôpital de Pontoise, Pontoise, France

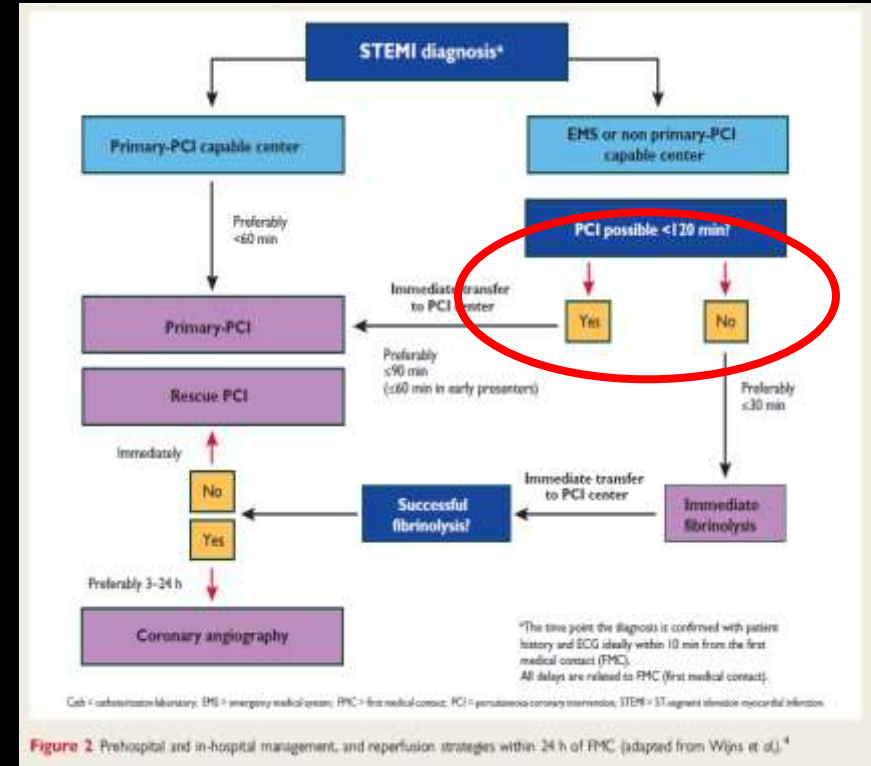


- ✓ Amount of reperfusion therapy performed is a determinant of mortality in STEMI patients



European Heart Journal (2012) 33, 2569–2619
doi:10.1093/eurheartj/ehs215

→ the frequency of reperfusion decisions represents a marker of quality of care.



Objective: To determine whether the number of STEMI managed by Mobile Intensive Care Units (MICU) and Emergency Medical System services



Registre
e-MUST



www.cardio-arsif.org



e-Must register

Ile-de-France, prospectif, 41 MICUs, 8 SAMU

STEMI < 24 h - **2 000 inclusions a year**

Inclusion Criteria for a patient in MICU:

STEMI < 24 hours

Decision of prehospital reperfusion (primary
PCI or fibrinolysis)

Cochran-Armitage test: significance $p < 0.05$

Registre
e-MUST

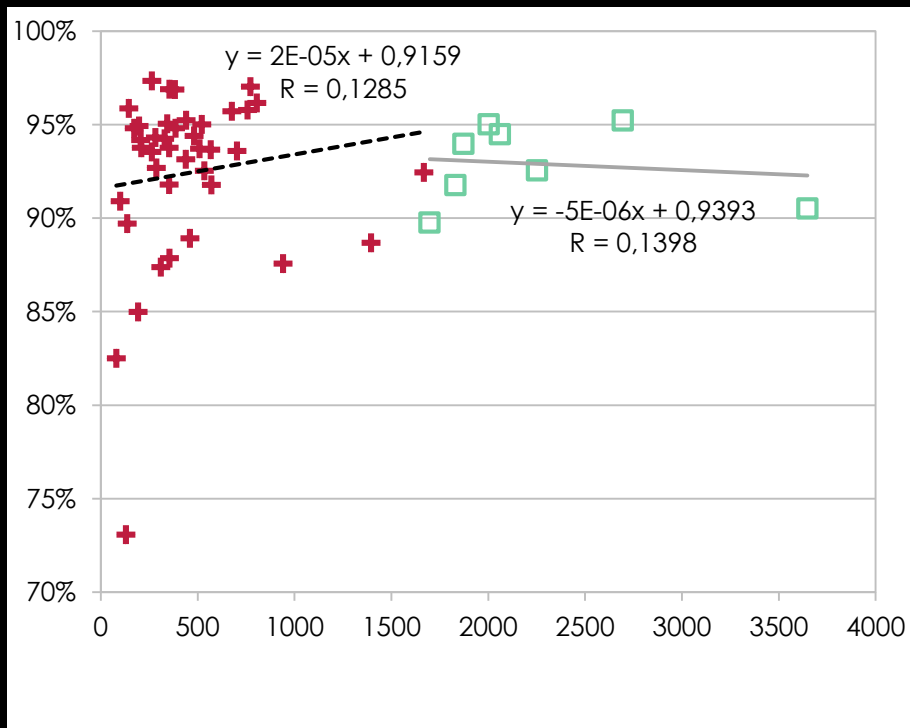


2003 to 2013 – 18,294 patients included

Mean number of STEMI managed:

➤ **by each SAMU: 2,287**

➤ **by each MICUs: 457**



→ **Decisions made by each MICU :**

✓ **from 73% to 97%**

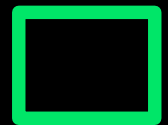
✓ **76% pPCI**

✓ **24% thrombolysis**



→ **Decisions made by each SAMU:**

✓ **From 90 % to 95%**



Significant difference in the frequency of reperfusion decision between SAMU and MICU (Chi2 test, $p < 0.0001$) in the region, between 2003 and 2013:

- 18 % thrombolysis
- 74% pPCI
- 7% of non-decision

Frequency of decision was not correlated ($R = 0.1264$) to the volume of managed STEMI ($p = 0.4371$)



✓ Disparity between SAMU and MICUs in STEMI management strategies.

✓ Further studies must be conducted

➔ in order to know the cause:

- population density in Cath Lab,
- presence of a protocol validated by pre-hospital and hospital
- ...

