

Smartphone apps in Interventional Cardiology

Dr Rangé Grégoire
Les Hôpitaux de Chartres
France

The Smartphone Révolution

1992

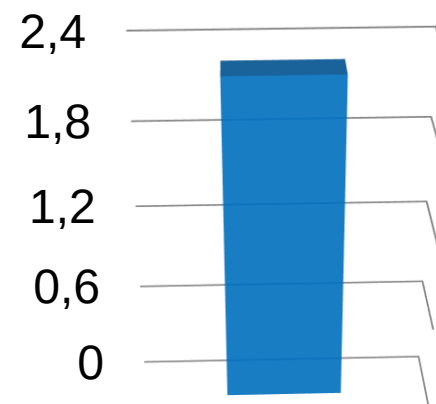
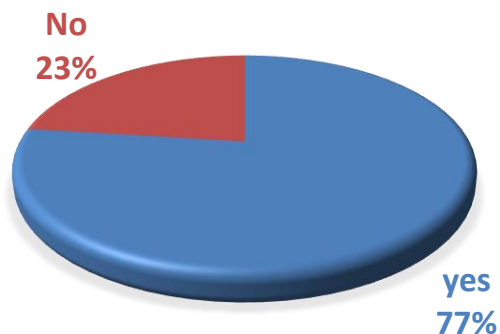


2019

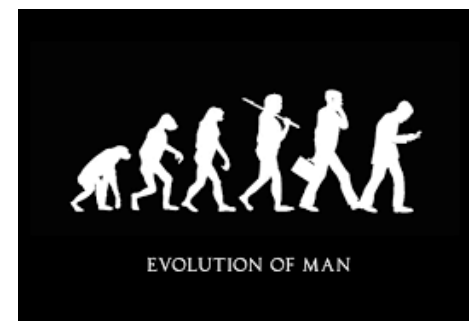


Smartphone in France

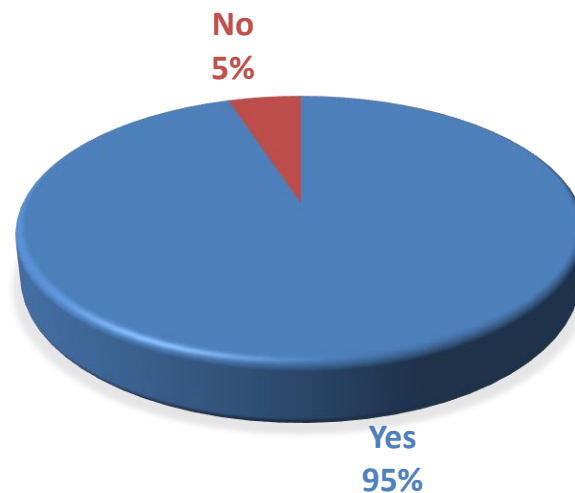
Some datas (2016)



nb h/j



Smartphone and medicine



55% medical learning

30% e-congress

Drug dictionary Epocrates

VOTRE COMPAGNON
VIDAL
Hoptimal



Essential App in cardiology

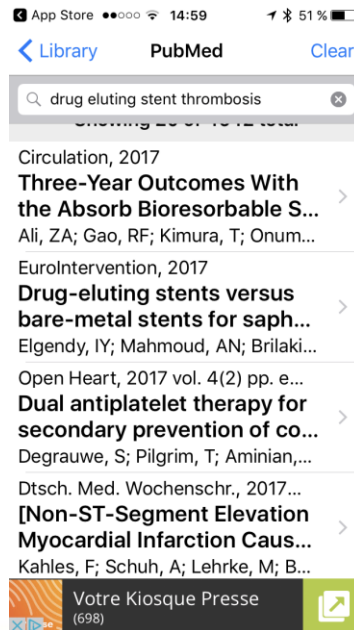
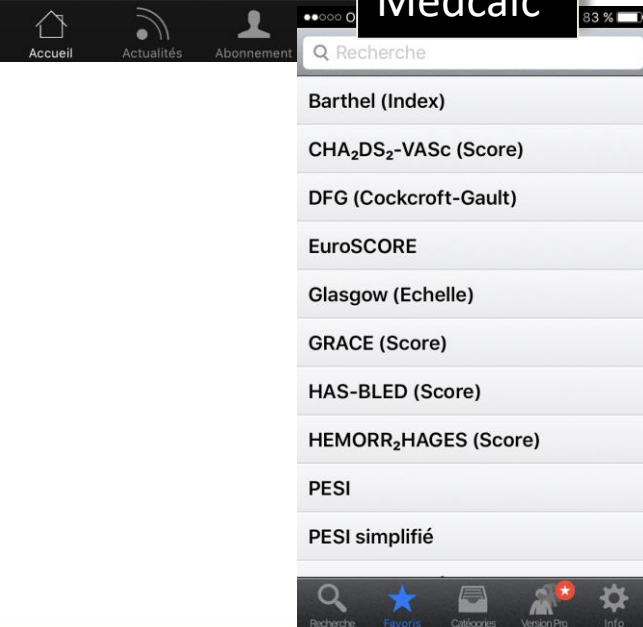
**ESC
Pocket
Guidelines**

Committee for
Practice Guidelines

 **ESC**
European Society
of Cardiology

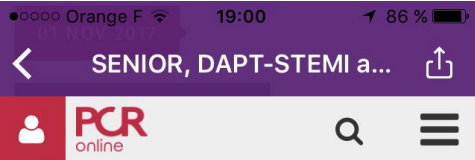
www.escardio.org/guidelines

Medcalc



Medscape

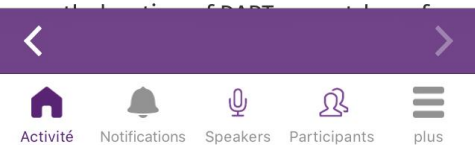




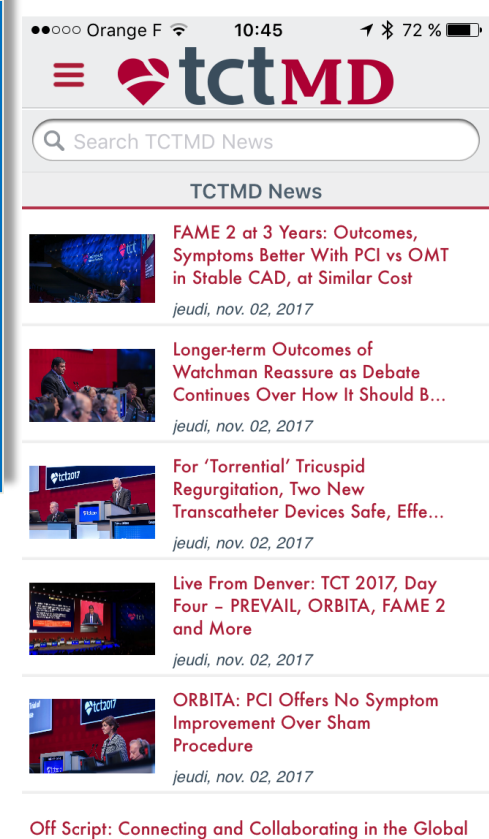
SENIOR, DAPT-STEMI and REDUCE: TCT 2017 Late Breaking Trial Results

Reported from the TCT 2017 Scientific Sessions in Denver, United States

Three trials focused on important discussion points for daily practice on the third day of TCT 2017, with two clinical questions in the spotlight: 1) is there still a niche for bare metal stents (BMS) in elderly patients? 2) Is a 12-



Essential app in cath-lab News

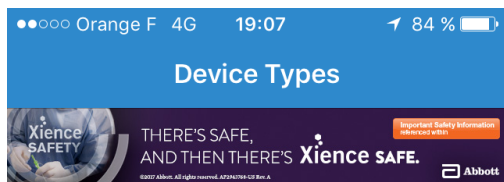


Off Script: Connecting and Collaborating in the Global

Essential App in cath-lab *Device / Video*

Cardiac interventions today

incathlab



All Products >

Balloons >

Catheters >

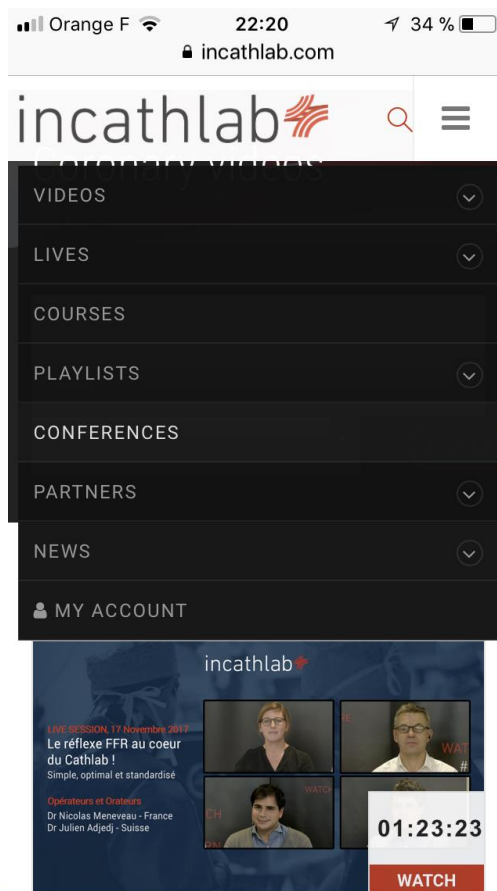
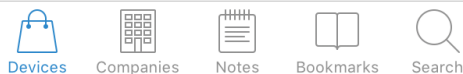
Sheaths >

Stents >

Valves >

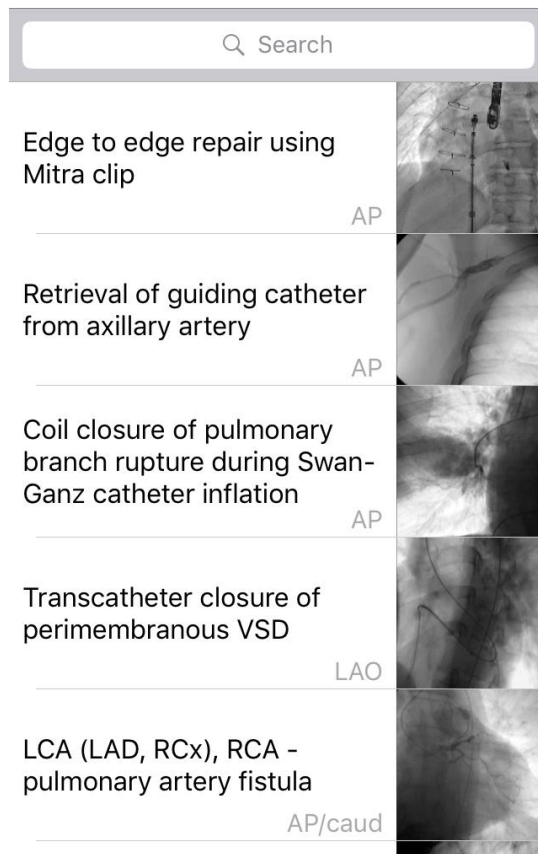
Wires >

Other Devices >



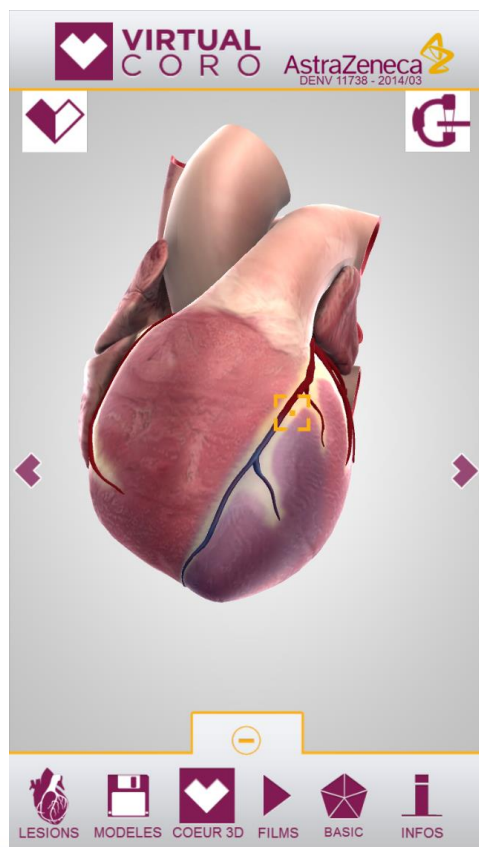
Orange F 4G 16:51 47 %

CARDIO3®ANGIO Lite About

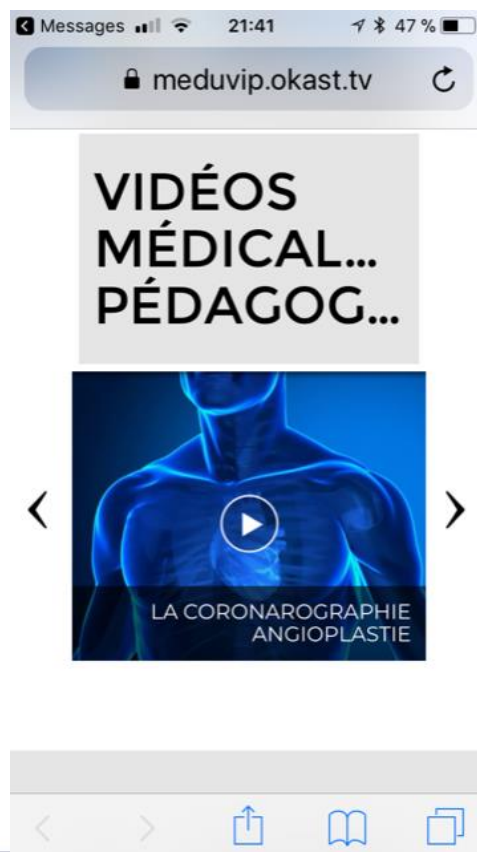


Essential App in cath-lab *Patient*

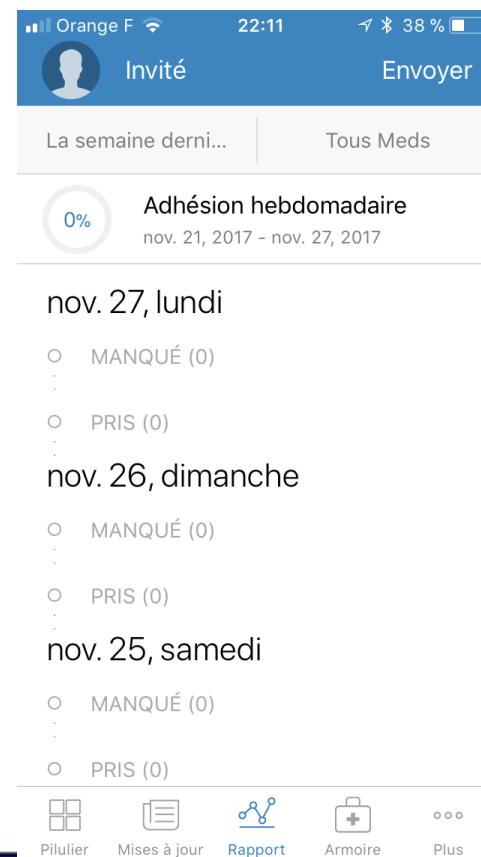
patient information



Meduvip

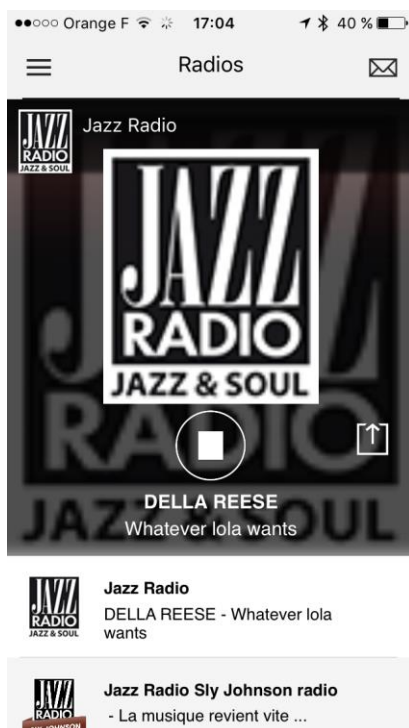
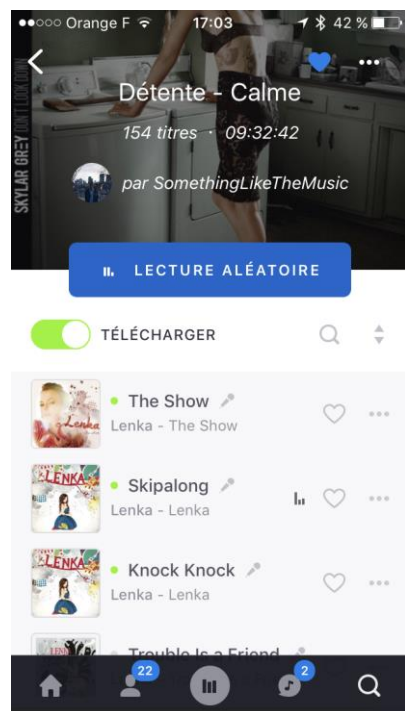


Medisafe



Relaxing App in cath-lab *Background*

Musicotherapy



Meditation

Orange F 17:05 38 %



Petit BamBou



iCRAC

dedicated appli for ACS ?



Specifications *iCRAC*

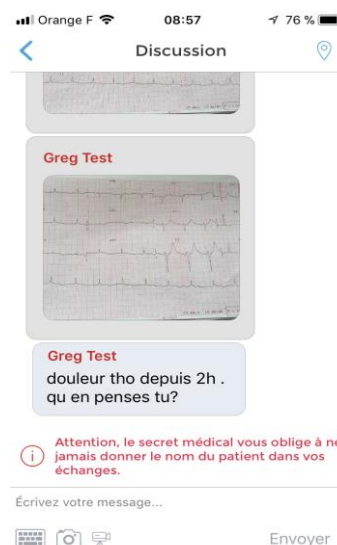
Securised access



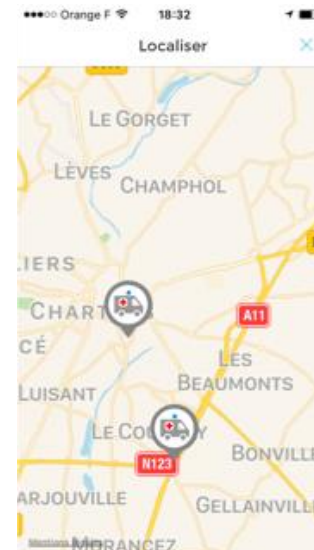
Home page



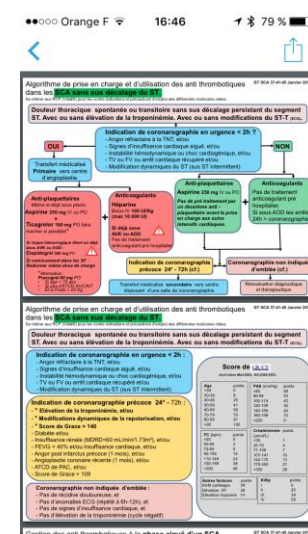
SMS



Géolocalization

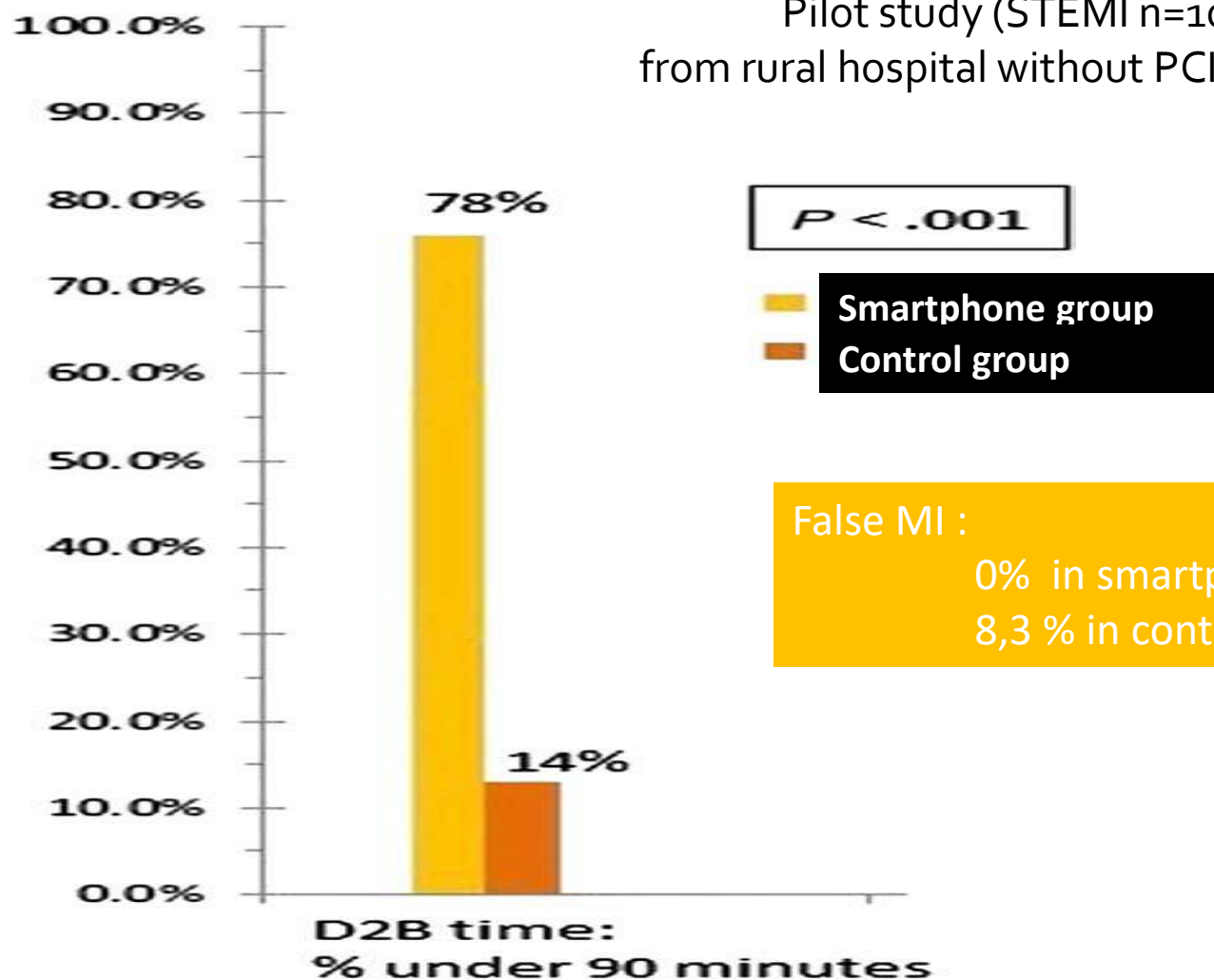


Protocols



Time for reperfusion and What'sapp

Pilot study (STEMI n=108)
from rural hospital without PCI capability



False MI :

0% in smartphone group

8,3 % in control group

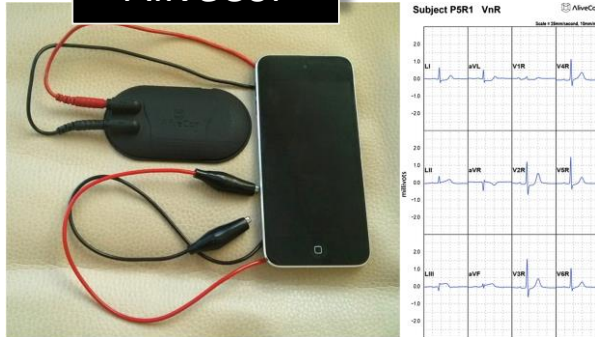
iCrac in summary



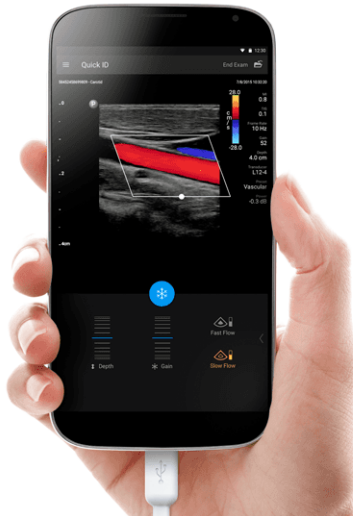
- Costumers : emergency doctor and cardiologist
- Configurable among profil , region ,area,..
- iOs et Androïd compatible
- Securized access and respect of confidentiality
- Free app
- New tools :
 - Paramedic access
 - Small ad service in IC (jobs and opportunities)

Next step

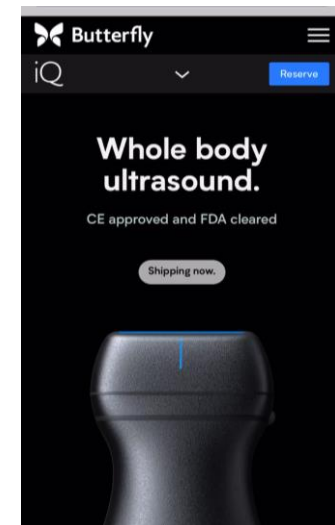
AliveCor



Lumify
Philips



Buterfly



Tomorrow ? Tricorder



Conclusions

- ❑ Smartphone : indispensable medical device
- ❑ Explosion of medical applications in IC
 - ✓ Documentary
 - ✓ Educatives
 - ✓ Patient informations
 - ✓ Sharing medical informations
 - ✓ ...
- ❑ iCRAC : application dedicated to cath lab
- ❑ Smartphone in future :
 - ❑ Diagnostic and therapeutic device ?