



Dipartimento Integrato Interistituzionale
DIPINT



Primo Workshop

Clinical Research and Innovation

Venerdì 4 luglio 2014 9.00 - 19.00

Aula Magna - Polo Fibonacci - Largo Pontecorvo 3, Pisa

Novel App-lications in critical care: new concept, new perspective

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About App

- **App: application software**



SYSTEM SOFTWARE		APPLICATION SOFTWARE
Enable the computer to function	Usage 	Enable user to work efficiently with documentation
COMPULSORY	Need	OPTIONAL-depends on usage and needs
Each computer need one system software	Number Software	Each computer can have more than one application
Independent – can use without application software	Dependency	Dependent – application software cannot work without Application software
Provide environment in which the application run	Function 	Provides the environment to enable user to accomplish specific task

Apps

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Apps

- **A mobile app is designed to run on mobile devices**
- **Mobile apps were originally offered for general information retrieval, including email, contacts, stock market and weather information**
- **Rapid expansion into other categories, such as mobile games, location-based services, banking, order-tracking, ticket purchases, ...**
- **Recently mobile medical apps have been developed**



Why App in critical care?

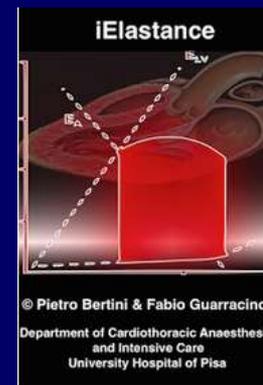
- **Urgency/emergency setting**
- **Time constraint**



Risk management, resource utilization !!

App for critical care

- **Transthoracic echocardiography reporting**
- **Transoesophageal echocardiography reporting**
- **Left ventricle elastances calculator**
- **Consultancy request and reporting**
- **CPAP O2 / Air flow**
- **ICU bed management**



App in critical care: feed-back from the real world

- Quick and oriented fill-in
- Technical knowledge at hand
- Automatic production of PDF document (report, request, ...)
- Immediate delivery by email to patient, GP, other specialists
- Immediate visualization of available resources
- No printing

