

# Blood Coagulation Telemonitoring VitalCare Platform

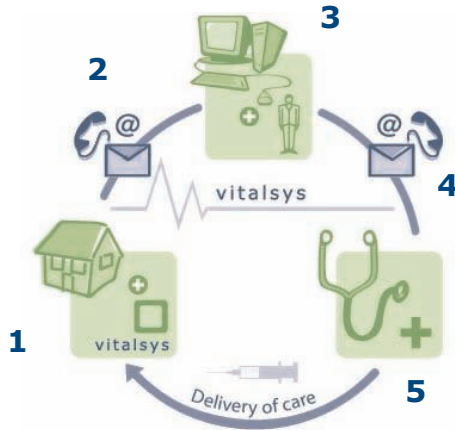
*"An efficient tool for patients and healthcare professionals to manage blood coagulation parameters"*



vitalsys  
TELEMEDICINE SYSTEMS

## UNIQUE FEATURES

- Fully automatic INR (or PTT) values reception.
- Summarizes coagulation parameters and medication intake clearly highlighted in graphs.
- Reporting by mail, fax, e-mail or on the web.
- Flexible connectivity, zero cost maintenance.



- 1. Patients take measurements with a CoaguChek XS® monitor and stores their medication intake time**
- 2. INR values & medication compliance are automatically sent to VitalCare platform**
- 3. VitalCare platform analyzes the data, generates interpretable graphs & statistics and stores the data. In case of exceeded threshold, healthcare professionals can get an immediate alert. Healthcare actors may always access the results over secured connections**
- 4. Results are sent on a regular predefined basis to the physicians and to the patients**
- 5. If needed physicians may directly adapt the prescribed treatment according to coagulation parameters and the patients' medical history**

## ADVANTAGES

### For the physician

- + Fully automatic reception of patient INR (or PTT) values with graphs, thresholds and statistics.
- + Optimal therapy control, stabilization of systolic and diastolic BP values, maximized compliance.
- + Stronger trusted patient relationship.

### For the patient

- + Enhanced quality of life, comfort and security.
- + Bio-feedback based information and pathology education.
- + Confidence that the physician has the right data in his hands.

## RECOMMENDED INDICATIONS

Fluctuating INR values can be a particular problem for patients using anticoagulation drugs to treat or to prevent thromboembolic events in the following conditions:

- pulmonary and venous thromboembolism
- mechanical heart valve
- atrial fibrillation
- recent myocardial infarction or heart bypass surgery
- thrombophilia
- peripheral occlusive artery disease



## IMPACT ON HEALTHCARE ORGANIZATIONS

### For homecare organizations

- Optimization of the care process through better information, systematic processes and less traveling.
- New type of services to tackle high workloads and the shortage of colleagues.

### For public and private health insurances

- Proven technology to support prevention policies: "Care, not just cure".
- High potential savings on the basis of avoided hospitalizations and efficient patient self-management.

"Because care is not a matter of distance"

# Key Components of the Blood Coagulation VitalCare Service

## COAGUCHEK XS® WITH BLUETOOTH INTERFACE

Roche's CoaguChek® is one of the most reliable coagulation monitors on the market. The telemedicine version has been adapted in order to transmit easily the data by Bluetooth.

## COMPATIBLE MOBILE PHONE

Vitalsys will provide users with a mobile phone already paired with the CoaguChek®.

Private mobile phone can also be used by activating the Bluetooth option to map the mobile with the device. Recorded data will be transmitted by SMS to VitalCare platform.

*A Bluetooth hub can replace the mobile phone.*

**CoaguChek®**  
Because it's my life



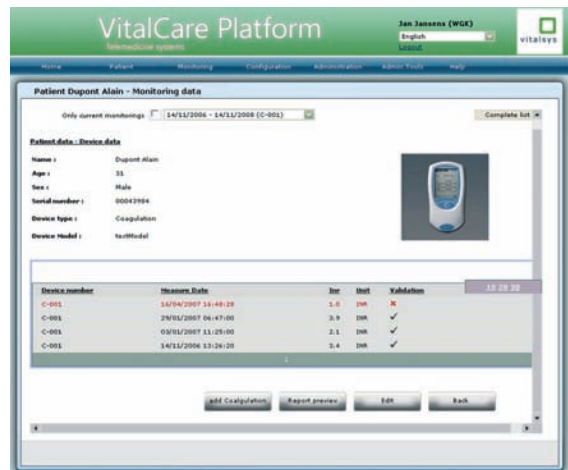
## VITALCARE PLATFORM ACCESS

VitalCare platform highlights the coagulation monitoring data, creates and sends reports (mail, e-mail, SMS, fax), generates alerts, manages access rights, follows up the coagulation monitor contracts ...

VitalCare platform can include other functionalities such as a complete patient file management, interactive questionnaires, dynamic graphs and much more ...!

VitalCare platform can also work as a "black-box" for the IT infrastructure of healthcare organizations by the use of secured webservices managed by a VitalCare Agent.

This means that if the organization already has e-Tools, VitalCare functionalities can be still integrated to upgrade the existing system.



## REFERENCES

Vitalsys solutions, products and services are actually used by several innovative companies & organizations such as the Wit-Gele Kruis Genk, the SCSAD Charleroi, Axa-Assistance, Sanofi Aventis, Boehringer Ingelheim, UCB, AstraZeneca and, at hospital level, some departments of cardiology.

Vitalsys is also partner and supplier of Belgacom Group. Vitalsys systems are developed with the support of the Belgian Science Policy (BSP), the Brussels Scientific Institute for Research and Innovation (IRSIB) and the Flemish IBBT (Institute for Broadband Technologies).

Vitalsys is involved until 2009 as medical devices and telemedicine systems supplier in a huge telemedicine clinical study in chronic heart failure.

This trial is mainly granted in Belgium by the Region Bruxelles Capitale, the national sick fund INAMI-RIZIV, the telecom company Belgacom Mobile and the insurance & assistance company Touring.

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