Dyna – Vision™ Telemonitoring System for remote patient monitoring

The Dyna-Vision™ Telemonitoring System is a flexible and ambulatory patient-worn monitoring solution that goes far beyond the capabilities of traditional patient monitors. It helps enhance patient care by providing wireless and near real-time monitoring and clinical decision support aiding caregivers on the general floor in the early recognition of deterioration of the condition of the patient.

Key benefits of the solution

Continuous vital signs monitoring reduces risk for clinical complications. Our solution assists caregivers achieving better outcomes with their patients. Use our Dyna-Vision™ Telemonitoring System to monitor patients and eliminate this task from the nursing staff, allowing them to focus on their key task: Caring for the patients.

Dyna-Vision™ technology uses built-in data communication modules for remote monitoring of patients, even when they are outside the hospital. Because of the great interface between the Myco an Ascom Solution and our Dyna –Vision™, caregivers receive alarms on their Myco Smartphones so they can react quickly.

FACTS

24%

24% of vital signs taken manually are not correct or not registered1, 2, 3, 4

77%

In 77% of the adverse events, vital signs were not measured in the preceding period1, 2, 3, 4

80%

Studies show that 80% of adverse events can be avoided by continuous monitoring1, 2, 3, 4

The Challenge

Best Outcome for Every Patient Every Time by*:

- Improving the percentage of vital signs that are not correct or not properly registered because they are taken manually.
- Avoiding complications due to the fact that vital signs are not correct or available for medical personnel.
- Continuous and automated monitoring.

*The device is intended for use on general care patients aged 18 years and more, as a general patient monitor, to provide physiological information. It is not intended for use on critical care patients


The solution

Telemonitoring of every life, every moment, every day is made possible because of the unmatched combination between the Dyna – Vision™ which collects data and the Ascom Myco which receives the alerts from the data and shows it directly to the right caregiver.

The solution consist the following parts:

**Dyna Vision™ Device**

The device measures the vital signs and transmits the data (3G and/or Wi-Fi) to the Dyna Vision™ server from where it can be accessed by the Dyna-Vision™ Telemonitoring Software for near real time monitoring.

**Dyna-Vision™ Server**

The server can be located in a hosted data center or within the care facilities. The Dyna-Vision™ Telemonitoring Software and Smartphone Apps do not have to be in the same network as the Dyna-Vision™ devices.

**Dyna-Vision™ Telemonitoring Software and Apps**

The software can be installed on multiple computers for monitoring at different locations, inside and outside a care facility. All installations monitor the same patients through the server. The software features patient data, easy reporting of all recorded data and interfaces with electronic medical records. The software detects potential dangerous changes in patients wellbeing. These changes will be visible in the software as an alert.

**Ascom Myco and Ascom Unite**

The alerts generated by the Dyna-Vision™ Telemonitoring Software are automatically available for the Ascom Unite Connectivity Manager and thereby possible to send near real-time to the Myco.

This enables the caregiver to quickly see:
- Which patient it concerns
- Which of the vital-signs is deteriorated
- The level of concern of the potential threat

**The Benefits**

- Non-stop surveillance
- Early detection of impaired vitals
- Increased safety
- Reduced length-of-stay
- The caregivers patient is always monitored
- Unattended becomes remotely attended
- Save time with vital signs spot checks
- Know when your patient is deteriorating

Please feel free to contact Techmedic for a live demonstration of our innovative telemedicine solution. Our office can be reached by phone +31 226 342044 or by e-mail info@tmi.care

Manufactured by:

Techmedic International B.V.
Broeker Werf 6
1721 PC Broek op Langedijk
The Netherlands
Phone +31 0 226 342044
www.dyna-vision.com

Technology partner:

Ascom
Grimbodalen 2
402 76 Gothenburg
Sweden
Phone +46 31 55 93 00
www.ascom.com/ws

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