



## "Remote patient monitoring"

Telemedical monitoring and investigation is the future technology in the observing health conditions of patients suffering from different diseases. Such wireless communication and portable data processing platforms technology can be helpful in the monitoring of in- and out-clinic patients. Depending on the data needed, special devices can be active continuously or on demand. The results of the device's measurements are transferred to a selected server where the measurement results can be automatically analysed, demonstrated on a screen or raise an alarm. Even multiple data confusion from different telemedical applications can be processed by this server. Professionals can assess the data and immediately get in touch with the patient so as to advise him on a response to his current situation.

Examples of monitoring and patient observation by medical devices are:

- ECG recording
- Blood pressure measurement
- Heart rate/Pulse measurement
- Blood sugar measurement
- Spirometry measurement
- Oxygen saturation
- Visual Analogue Scales

The development in the networking of new wireless medical and telemedical applications and the requirement of specific features as low bit rate, low power, reliability, ultra band widths will be an important focus in the ongoing micro-technological and electronic research of intelligent systems for a fast growing market.

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