



PrenCare

– Integrated Prenatal Care System

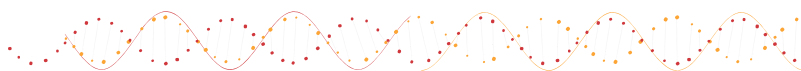
PrenCare™ is unique, first of its kind mobile device for monitoring uterus activity at home. It is mainly intended for expectant mothers who have risk pregnancy and face the possibility of pre-term birth. Development of this device started in IMPULS programme under patronage of Ministry of Industry and Trade of Czech Republic in 2004. Whole system was developed in the Czech Republic and is patented. Apart from mass production MacTechCity is striving to further develop the device and improve prenatal care.

How **PrenCare™** works?

Integrated Prenatal Care System **PrenCare™** is based on continuous external tocography along with tracking the movement activity of expectant



noviosys
MAPO GROUP



Bc. Vladimír Grygar – Product & Project manager

+420 608 880 573 | vladimir.grygar@noviosys.com | www.noviosys.com

mothers.

PrenCare™ mobile unit is affixed with elastic belt to belly. Mobile unit utilizes precise sensors to monitor uterus activity and movement and stores the data. Data reading is completely passive, no radiation is emitted during the process and thus is perfectly safe for both mother and its child for long-term use. Data are transferred on daily basis only after the mobile unit is removed from body.

Data transfer to server can be done either by connecting the mobile unit via USB cable to computer or to smartphone by Bluetooth.

PrenCare™ supports Windows, XOS, Android and iOS. Server processes the data which can be accessed by doctor through encrypted web portal.

PrenCare™ itself does not treat risk pregnancy but it provides valuable data on uterus activity and points out any abnormal readings to doctor.

Key benefit of Integrated Prenatal Care System

PrenCare™ is a long term monitoring of uterus activity of expectant mothers in their home environment during normal daily activities. Ability to monitor, store and process data of uterus activity and movement of expectant mothers in long term opens new possibilities of objective evaluation of health condition.

Important ability of **PrenCare™** is also objective verification of therapy prescribed by doctor to normalize uterus activity.

MacTechcity has developed and is producing **PrenCare™** for PRENCARE s.r.o., which is the author of solution and holder of patent rights.

