



*Pregnancy is a miraculous time of life;
but preeclampsia can degrade this
experience into one of concern, sorrow,
and financial distress.*

MIST OHMS is here to help.



Healthy Moms...

Healthy Babies

MIST OHMS

Treating Maternal Hypertension

(304) 781-6318

848 Fourth Avenue • Huntington •
West Virginia • 25701

info@misttechnologies.com

www.misttechnologies.com



Patient
Care
& Research
Technology



*Medical information Systems
Technology (MIST) is an
organization of physicians, nurses,
and software engineers driven by the
goal to improve the health of both
mother and child, by supporting the
prevention and treatment of
preeclampsia.*

*MIST offers to the medical
community **OHMS**, the Obstetric
Hemodynamic Monitoring Software
system; a tool that assists the
physician in monitoring ICG
parameters and relating these to
preeclampsia risk.*

Reducing Preeclampsia Risks...

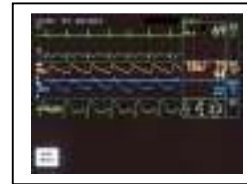


Preeclampsia, i.e., hypertension during pregnancy, is a leading cause of premature delivery and maternal and fetal death. The MIST Obstetric Hemodynamic Monitoring Software, or OHMS, system provides maternal fetal medical care providers with tools that enable them to monitor a patient's status relative to preeclampsia throughout her term. More important is the potential for preventative treatment as a result of using OHMS to monitor distinct hemodynamic parameters. Since the current treatment for preeclampsia is delivery, delaying or even preventing the onset of this condition has potential to reduce medical costs related to premature birth, which can last through the infant's lifetime.



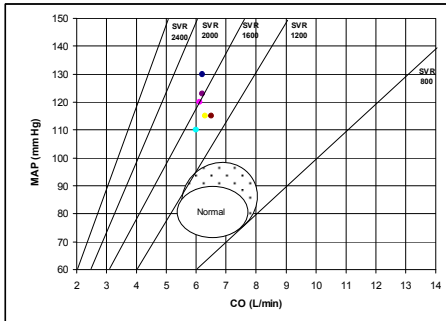
using Impedance Cardiography...

The MIST OHMS works in coordination with an impedance cardiograph (ICG) device. An ICG device converts changes in thoracic impedance to changes in volume over time, and thus enables the tracking of volumetric changes occurring during the cardiac cycle. These measurements are gathered noninvasively and continuously, providing a variety of accurate readings of the cardiac cycle.



... and Supporting Research

The data collected on patients can be incorporated into an anonymous database, collected from all OHMS users. These data are not limited to those used for preeclampsia monitoring, but include all of the parameters collected by the ICG (the CardioDynamics BioZ ICG[®] provides 15 parameters related to the cardiac cycle). Ultimately, data can be used for a variety of research purposes, reducing the cost of correlative studies and providing thousands of patient cases for review. Thus, OHMS promotes advances in patient care, while safeguarding the identity of the patient.



"This is the most important and significant change in the philosophy of management of pregnant patients with hypertension in the 35 years I have been practicing obstetrics." Robert Nerhood, MD, Chairman Department of Obstetrics and Gynecology, Joan C Edwards School of Medicine at Marshall University and Chairman of the Board, Cabell Huntington Hospital.

Patient Care & Research Technology

- Approximately 10% of pregnancies in the U.S. result in premature delivery (400,000 annually).
- 100,000 premature deliveries result from hypertension; of these, nearly 25,000 can be directly attributed to preeclampsia.
- The health implications of prematurity for mother and child cost *billions* of dollars annually, and can persist for a lifetime.