



LMS Medical Systems Inc.

For Immediate Release

LMS COMPLETES SOFTWARE DEVELOPMENT OF CALM PATTERNS™

Montreal, Quebec, September 27, 2007 – LMS Medical Systems (AMEX:LMZ; TSX:LMZ), a healthcare technology company and developer of the CALM® clinical information system and risk management software tools for obstetrics, today announced market availability of the first version of CALM Patterns, an innovative risk management software tool specifically directed at the health of the fetus.

Fetal distress during labor is recognized as one of the greatest complexities of childbirth and therefore a significant issue insofar as risk management is concerned. During labor and delivery, medical professionals review fetal heart rate tracings looking for indications of fetal distress. The failure to recognize and respond to abnormal fetal heart rate patterns in a timely manner can lead to a number of serious complications for the fetus and is a common problem in birth-related brain injury. With this in mind, LMS has created a real time proprietary software tool that can, on a heartbeat to heartbeat basis, constantly analyze and present updated information to medical teams to assist in the identification of significant fetal distress.

CALM Patterns achieves this end with computing power using specialized algorithms and neural networks that detect, label and measure patterns in fetal heart rate recordings at the bedside during labor. No human being can rival the power of a computer for consistently processing highly complex information on an ongoing basis in real time. Equally important, few patients are able, in today's healthcare environment, to have a medical professional at bedside analyzing fetal tolerance to labor every minute of the way.

“LMS risk management tools have been designed to provide clinicians with an objective real-time bedside means to more clearly, accurately and proactively assess patient safety, improve situational awareness and reduce risk,” said Dr. Emily Hamilton, Vice President of Medical Research for LMS. “The ability to assess the baby's tolerance to labor along with better recognition of fetal distress can help reduce the incidence and severity of birth related brain damage.”

About LMS: LMS is a leader in the application of advanced mathematical modeling and neural networks for medical use. The LMS CALM Suite provides physicians, nursing staff, risk managers and hospital administrators with OB clinical information systems and risk management tools designed to improve outcomes and patient care for mothers and their infants during childbirth.

Except for historical information contained herein, the matters discussed in this news release are forward-looking statements. Because these forward-looking statements involve risks and uncertainties, there are important factors that could cause actual results to differ materially from those expressed implied by the forward-looking statements including, but without limitation, economic conditions in general and in the healthcare market, the demand for and market for our products in domestic and international markets, our current dependence on the CALM product suite, the challenges associated with developing new products and obtaining regulatory approvals if necessary, research and development activities, the uncertainty of acceptance of our products by the medical community, the lengthy sales cycle for our products, third party reimbursement, competition in our markets, including the potential introduction of competitive products by others, our dependence on our distributors, physician training, enforceability and the costs of enforcement of our patents, potential infringements of our patents and the other factors set forth from time to time in the Company's filings with the United States Securities and Exchange Commission and with the Canadian Securities Commissions. The Company has no intention of or obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

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