



LMS Medical Systems Inc.

For Immediate Release

SUPPORT FOR LMS CALM SHOULDER SCREEN EXTENDED BY MDADVANTAGE TO ENTIRE NEW JERSEY INSURED BASE

Montreal, Quebec, September 2, 2008 – LMS Medical Systems (TSX:LMZ), a healthcare technology company and developer of the CALM[®] patient safety software suite for obstetrics, today announced that MDAdvantage Insurance Company of New Jersey will be extending the use of CALM Shoulder Screen[™] to its entire base of obstetricians. MDAdvantage is the second largest provider of medical professional liability insurance in the state of New Jersey. MDAdvantage will be offering credit on annual malpractice premiums to its current base of obstetricians and new clients implementing the CALM Shoulder Screen in their practice.

“In February 2008, MDAdvantage began the first phase of implementation of the CALM Shoulder Screen with an initial group of obstetricians for a twelve month assessment period,” commented Patricia Costante, Chairman and CEO of MDAdvantage. “Within three months, the ease of integration of the application into daily operations and the positive feedback from clinicians regarding the value of the additional insight provided by CALM Shoulder Screen triggered our decision to accelerate the roll-out of the technology to our entire base of insured OBs. This initiative supports the development of a new gold standard of practice in obstetrical risk management.”

Promoting patient safety and best practices in medicine are the motivating factors behind MDAdvantage’s decision to institute a premium discount. Nationally, statistics continue to reveal a high frequency of medical malpractice claims that allege permanent birth-related injuries related to incidents of shoulder dystocia.

“MDAdvantage has a track record of leadership in risk management that includes proactive and innovative support for its insured physicians,” said Diane Cote, President and CEO of LMS. “Teaming with MDAdvantage and its physicians provides both companies with an opportunity to promote high reliability in obstetric results.”

CALM Shoulder Screen will assist insured obstetricians with managing the risks associated with shoulder dystocia. Shoulder dystocia occurs when a baby’s shoulder gets stuck behind the mother’s pubic bone during childbirth. It is one of the most feared conditions that can occur during labor and delivery. Potential injuries can be serious and include brachial plexus impairment, brain damage and sometimes death.

About MDAdvantage: MDAdvantage is a leading provider of medical malpractice insurance in New Jersey. The Company actively pursues ways to use technology to better serve their physician policyholders and their medical practices. More information about MDAdvantage Insurance Company of New Jersey is available at www.MDAdvantageonline.com or by calling 888-355-5551.

About LMS: LMS is a leader in the application of advanced mathematical modeling and neural networks for medical use. The LMS CALM Decision Support Suite provides physicians, nursing staff, risk managers and hospital administrators with 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.

For further information about LMS Medical Systems please contact:

Andrea Miller, Communications

LMS Medical Systems Inc.

Tel: (514) 488-3461 Ext. 222

Fax: (514) 488-1880

investor@lmsmedical.com / www.lmsmedical.com

David Burwell / Grant Howard

The Howard Group Inc.

Toll Free: 1-888-221-0915

Info@howardgroupinc.com

www.howardgroupinc.com