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**Insight Neuroimaging Systems Announce
FDA Clearance for the Insight Head Coil™**

A 3T Head Coil Designed for High Performance Head Imaging

Worcester MA, USA, June 21, 2006- Insight Neuroimaging Systems, LLC (INSL), the industry leader in cutting edge MRI coil technology, announce today the FDA clearance of the Insight Head Coil. The Insight Head Coil marks INSL's second clinical product approved by the FDA. The Insight Head Coil will be sold exclusively through the INSL sales network. The Insight Head Coil is the result of many years of research and development on microstrip based coil technology owned by INSL, it represents a significant step forward in terms of patient comfort, field uniformity and signal-to-noise ratio (SNR).

“This head coil is the logical culmination of INSL's years of theoretical and experimental research on microstrip coil technology for use at ultra-high fields. Bringing this technology to the clinic for use in the diagnosis of neurological and psychiatric illness is very satisfy to the scientists at INSL. The unique coil design provides exceptional performance and was fitted into a housing optimized for patient comfort and clinician access ” said Dr. Craig Ferris, Founder and CEO of INSL.

The Insight Head Coil incorporates cutting edge electronics with the most patient friendly housing designed to date. The housing incorporates many patient comfort features and the coil is available with a platform that allows the coil to slide over the patients head without moving the patient. The Insight Head Coil is currently available in models compatible with Siemens Medical Systems Trio and Allegra models, and General Electric Healthcare 3T Signa, 3T Excite and 3T HD models.

More...

The Insight Head Coil

Insight Neuroimaging Systems, LLC

The Insight Head Coil features a shortened length and a notched-out region over the eyes in order to ensure that no part of the coil will obstruct the patient's face, nose, or eye region. The shortened length of the coil implies that no part of the coil extends below the patient's ears or eyebrows. This advanced design is the most open head coil system on the market to date. The coil rests on a platform that supports the patient's head, while allowing the coil to slide back and forth over the head.

The internal coil architecture is based on INSL's patented microstrip design with asymmetric tuning. The coil is shielded for increased efficiency. The electrical layout allows for an increased level of calibration at the factory in order to attain a high degree of homogeneity across all imaging planes. The homogeneity of the coil in the Z direction is far superior to other coil architectures, allowing for a spatially shorter coil to cover the same region of interest. In direct comparisons, the Insight Head Coil also offers superior sensitivity at 3T.

Head imaging remains the predominant use of Magnetic Resonance Imaging, and the transition from 1.5T to 3T field strength has largely been driven by neuroimaging applications. While extensive R&D has gone into the development of robust and affordable 3T MRI systems, the development efforts in RF coil technology has not received the same attention. Since its foundation in 1998, INSL has specifically targeted the design and development of specialized RF coils, ranging from 1.5T to 11.7T, that can handle the unique challenges of imaging at higher field strengths.

The Market research firm Frost & Sullivan (San Jose, Calif.) predicts that the U.S. MRI scanner market could reach \$1.97 billion in 2009. The U.S. market for MRI systems and MRI coils reached \$1.46 billion in 2002, the market's best year ever, with approximately 1,055 units shipped.

About Insight Neuroimaging Systems, LLC.

Insight Neuroimaging Systems (INSL) manufactures MRI coils, coil systems, and holders for research and clinical applications. Our coils have been installed in clinical and research MRI systems from 0.2T to 11.7T. These coils offer unsurpassed SNR and homogeneity for imaging the head, torso, and extremities. For more than 8 years INSL has been focused on providing cutting edge technology in an effort to expand the use of magnetic resonance imaging and spectroscopy. To learn more, please visit us at www.insightMRI.com or call (508) 799-6464.