

Hitachi Medical Systems Holding AG

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OASIS™ – A Milestone in the Development of Patient-friendly Magnetic Resonance Imaging Systems

***Paderborn, December 4, 2009** – One of the greatest challenges of medicine and medical engineering is our constantly changing society. People, for example, live longer nowadays. This is associated with an impairment of the body's motor functions. Conventional, horizontally operating MRI systems can therefore only be applied to a limited extent. But patients' preferences regarding medical technologies have changed in recent years as well. The patient wants to receive full attention and feel comfortable when undergoing examinations. Hitachi Medical Systems meets these challenges with innovative and patient-friendly technology developments. For example, the first ever 1.2 Tesla high-field MRI system (OASIS™), the only high performance system worldwide with truly open architecture, has been recently installed in Paderborn. It combines unrivaled patient comfort with the unique components of modern image technology.*

OASIS™: a name that stands for the first open vertical 1.2 Tesla high-field MRI system. It combines unrivaled patient comfort with the unique components of modern image technology, such as high-speed gradients and multichannel RF technology. Its 270° angle of vision gives the physician in charge of treatment an unobstructed view of the patient, even under unfavorable conditions. An excellent image quality is obtained by placing the body section to be examined in the center of the magnet. In addition, scan times are shorter – an advantage for both the physician and the patient. “Recently we were even able to scan a 4-year-old girl in the open MRI system at our office without narcosis or having to administer tranquilizers. The mother's presence during the scan was all that was needed,” rejoices Dr. Carsten Figge, who runs a joint radiology practice with three partners in Paderborn. The requirements of the patients were an important factor in OASIS™ development. To make the scan as pleasant as possible, the open MRI system gives the patient a free, unobstructed view of his surroundings. In addition, the system is noise-reduced and special lighting is integrated in the head part. This helps to dispel the doubts of even the most anxious patients.

Dr. Hans-Ulrich Jarck, Dr. Karl-Friedrich Schünemann, Dr. Jürgen Wiesmann, and Dr. Carsten Figge have never regretted their decision to combine moving their offices into the interdisciplinary medical specialist center in Paderborn with extending their equipment by an open MRI system. “As a radiologist, it is also important to conceive the patient as a human being and learn to understand him with all his fears and reservations. An open high-field MRI was therefore the only solution for us right from the start,” confirms Dr. Figge. Finally, in August, the time had come – Europe’s first open OASIS™ high-performance system was installed. “Now we have at our disposal an instrument which works at the level of a high-end 1.5-Tesla tube system, granting our patients much more comfort. This a good package altogether,” is the physicians’ unanimous opinion.

About Hitachi Medical Systems Europe Holding AG

Hitachi Medical Corporation, a globally active company owned by the Japanese Hitachi Ltd. Group (NYSE: HIT / TSE: 6501), is a leading international electronics company with approximately 400,000 employees worldwide. The Hitachi Medical Corporation is represented in Europe by Hitachi Medical Systems Europe Holding AG, with headquarters in Zug, Switzerland. The company is a first choice supplier of powerful open high-field MRI systems and multi-slice CT systems, as well as medical ultrasound and optical topography devices. Ultrasound expertise encompasses clinical applications including general radiology, internal medicine, gynaecology, cardiology, gastroenterology, urology and surgery. Hitachi Medical Systems offers a complete range of solutions to address a wide range of medical challenges.

For more information:

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