



Jeanne-Marie Phillips
HealthFlash Marketing
P.O. Box 3086
Stamford, CT 06905
888-655-3434

jphillips@healthflashmarketing.com

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Study Shows Patient Comfort Systems MRI Pads Reduce Patient Motion and Exam Call-Backs

Innovative New TEMPUR® Material (Developed by Tempur-Pedic® Inc.) Enhances Patient Comfort According to Study to be Presented at RSNA 06

Patient Comfort Systems MRI pads utilizing TEMPUR material decreases patient motion during MRI scans, resulting in a significant reduction in both repeat sequences and patient call-backs. According to a recent study to be presented at the RSNA Annual Meeting in Chicago in December, repeat sequences decreased by 56 percent and patient call-backs dropped by 50 percent when patients were scanned using new Patient Comfort Systems high-performance pressure management pads compared to MRI manufacturer's traditional pads.

Traditional pads generate regions of high pressure and shunt blood flow away from areas of the body, creating ischemic discomfort. Frequently, patient movements result in the repetition of all or parts of a study due to motion artifact and/or the inability of the patient to remain in the MRI for the duration of the exam.

By contrast, the new Patient Comfort Systems table pads, light weight knee wedges and positioners utilize TEMPUR pressure managing materials that conform to the body and deliver a more comfortable exam with a significant decrease in patient movement.

In the study, 200 lumbar MRI exams were reviewed. One hundred were performed using traditional MRI pads, and 100 used the new Patient Comfort Systems pads. The study found that with traditional pads, 18 percent required at least one sequence to be repeated and 8 percent needed the entire procedure repeated because of motion artifacts. By contrast, with Patient Comfort Systems' pads, only 8 percent required one sequence repeated and 4 percent needed repetition of the entire exam.

Author Chandler H. Park of the University Of Louisville School Of Medicine concluded that the pressure managing TEMPUR material led to decreased patient motion which increased throughput and decreased patient call backs.

According to Patient Comfort Systems founder, Peter Rothschild, MD, "For most MRI facilities, the significant rate of interrupted or aborted scans is a problem for workflow. Patients also experience discomfort during these exams. Patient Comfort Systems provides a simple, affordable and highly effective way to maximize utilization of MRI equipment, while enhancing patient satisfaction. The ground-breaking study provides important proof of the effectiveness of this new product line in a clinical setting."

Patient Comfort Systems' innovative TEMPUR material manages pressure by redistributing it away from weight-bearing points of body contact, reducing discomfort and pain. Patient Comfort Systems and Tempur-Pedic Medical® Inc. worked closely together, along with leading MRI centers, for more than two years to develop a product line, which conforms to specific requirements for MRI compatibility, safety and patient comfort. A composite of proprietary, pressure-redistributing TEMPUR materials yields a thin form factor, retaining the maximum amount of free space inside the MRI, CT or PET scanner for patients.

Patient Comfort Systems was founded by Peter Rothschild, M.D., a world renowned radiologist and editor of the first Open MRI textbook. *Patient Comfort Systems*, is the industry leader in developing innovative products designed for patient comfort. Patient Comfort Systems products incorporate Tempur-Pedic® proprietary TEMPUR Material. For more information, visit www.patientcomfortsystems.com or call 866-943-7727.