



**For Immediate Release**

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**Lodox Completes Third U.S. Installation of Its Life Saving Digital Radiography System at Littleton Adventist Hospital**

***The First Statscan Installation at a Level II Trauma Center in the World***

*Lodox Statscan captures full-body image in 13 seconds saving critical time in the "Golden Hour"*

(Littleton, CO) – Lodox Systems North America today announced the completion of the third U.S. installation of its Statscan Critical Imaging System at Littleton Adventist Hospital, in Littleton Colorado. The Lodox Statscan is a flexible-format digital radiography (DR) system that offers trauma centers and emergency rooms a new paradigm for rapid diagnostic assessment of patient injuries during the critical "golden hour." Statscan's revolutionary low dose digital x-ray technology can provide a full body scan in just 13 seconds.

"Because Littleton Adventist Hospital has recently obtained a Level II trauma designation, we are excited to see how the Statscan system can help us to more quickly evaluate the higher patient load we are receiving as a result of the enhanced trauma care capabilities now provided," says Jodi Chambers, M.D., medical director, Littleton Adventist Hospital Trauma Services. "This new technology will allow us to get high-quality images faster, with less radiation exposure to the patient and hospital staff. I am extremely impressed with Statscan's images and capabilities and I am convinced that our patients will benefit greatly. I believe the ability to obtain a rapid skeletal evaluation will allow us to care for our patients more efficiently, identify some injuries more rapidly and decrease time to definitive treatment. In most cases this will improve ED efficiency, in some cases it may potentially prove to be life saving."

When a patient arrives at Littleton Adventist Hospital's Trauma Unit, the staff works quickly to assess and stabilize the patient, who may have multiple injuries. Conventional X-rays can take more than 30 minutes, time lost in the "golden hour." The "golden hour" means that patients who receive specialized treatment within the first hour after a traumatic injury are more likely to have better outcomes.

"When you're working in trauma, time and information are vital," explains Chambers. "Advances in imaging technology help us to provide better patient care by giving us vital images sooner and a comprehensive diagnosis faster."

With the FDA-approved Statscan system, a full-body scan can be done in about 13 seconds, detecting fractures or other injuries that aren't immediately apparent. With current equipment, doctors first take X-rays of the part of the body with the most obvious injury, possibly missing fractures in the extremities like the arms and legs. While it's most important to treat the most life-threatening injuries first, these secondary injuries can be critical to helping the patient make a full recovery.

"Certain fractures may be incapacitating if you don't pick them up early and treat them correctly," explains Chambers. "But sometimes it's hard to detect them if the patient is unconscious or there isn't an obvious physical deformity. The Statscan system may be particularly advantageous in helping us to catch these orthopedic problems earlier."

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Unlike regular X-rays that take time to develop, the Statscan image can be displayed almost immediately at a viewing station. The digital technology allows doctors to magnify or rotate the image without affecting picture quality. In addition, the Statscan system emits up to 75 percent less radiation compared to current X-ray technology, depending on the part of the body being scanned.

"Littleton Adventist Hospital is a forward thinking community healthcare system and truly an exceptional place for healing. They recognized early on, not only the obvious clinical benefits of Statscan for their patients, but also the resulting business efficiencies and cost controlling advantages" says Kevin Oakley, Lodox Vice President, Marketing and Sales. "Statscan not only generates the highest quality clinical images at radiation doses lower than any other DR product today, it also is much more efficient from an overall speed, large field of view and efficiently standpoint. This means that it has the inherent ability to be much more cost effective in a DRG driven reimbursement model, which is the true reality of healthcare business operations today. Everyone knows full well that time is money, and because of this, Statscan makes as much sense to the progressive minded community hospital as it does to a large university teaching institution", added Oakley.

"Another way Statscan pays off is via its ability to eliminate missed injuries," Oakley also said. "Across the country, the rate of missed injuries in poly-trauma cases caused by the hit or miss nature of standard radiology is alarmingly high (>25% by some estimates), and it just takes one costly malpractice settlement to raise institutional liability insurance rates substantially. With Statscan, even injuries on comatose or inebriated patients are easily identified, and when you think about it, the real-world value of that is quite obvious."

### **Statscan In Operation**

Once a patient is positioned in the Statscan system, the operator selects the desired view and radiographic procedure using controls on the operator's console. The Statscan system automatically computes and sets all necessary X-ray parameters. The radiograph is acquired from a C-arm that moves over and around the patient. The C-arm permits the operator to easily capture frontal, oblique angle, lateral or horizontal projections. Once an image is acquired, it is immediately available for viewing on the diagnostic viewing station. Selections of previously recorded radiographs can be randomly accessed from an image database, and any radiograph can be transmitted over a data network using industry standard protocols. Furthermore, Statscan allows an entire complement of non-trauma oriented radiographic procedures to be performed as well, and is uniquely applicable to low dose pediatrics, large field of view bariatrics, rapid military / disaster patient triage, oncology patient screening, forensic (cause of death) radiography and high throughput radiography of all types.

### **About Littleton Adventist Hospital**

**Littleton Adventist Hospital is part of Centura Health, a faith-based hospital system sponsored by Adventist Health System and Catholic Health Initiatives. Known for its birthing services, surgical services and trauma and emergency care, Littleton Adventist Hospital has been south Denver's only full service medical facility since 1989.**

### **About Lodox**

**Lodox Systems, North America, LLC, with administrative offices in South Lyon MI, is a wholly-owned subsidiary of Lodox Systems (Pty), Ltd., Benmore, South Africa, and is responsible for the worldwide sales, distribution and customer service support of the innovative Statscan Critical Imaging System. For more information about Statscan visit the Lodox website at [www.lodox.com](http://www.lodox.com) or contact Kevin Oakley in the US at: 866-61-LODOX, ext 1, or directly at: 315-346-6962.**

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