



Lakeway Regional
Medical Center

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Lakeway Regional Medical Center
One of the First Hospitals in United States to Evaluate Stryker SpineMask™
Tracker and SpineMap® 3D 3.0 Navigation Software

LRMC Focused on Providing Advanced Training for Medical Staff

LAKEWAY, TX – October 26, 2015 – Lakeway Regional Medical Center today announced that the hospital was one of the first hospitals in the United States to evaluate the Stryker Navigation SpineMask Tracker and SpineMap 3D 3.0 Software. Complex spinal cases require advanced technology and the spine surgeons at LRMC were among the first to trial this new navigation technology which aims to improve patient outcomes and reduce invasive incisions and overall time to conduct procedures. As Lakeway Regional Medical Center continues to enhance the technology in all of its operating rooms, the hospital is also developing a regional training facility for physicians and surgeons to learn the most state-of-the-art equipment and techniques.

The fellowship-trained orthopedic spine and neurosurgeons received training on the system to develop expertise using the the SpineMask tracker in conjunction with the SpineMap 3D 3.0 software and Stryker’s NAV3i® navigation platform which provides a total solution for spine navigation procedures. Since the hospital recently upgraded the operating rooms and expanded its spine program, evaluating the latest state-of-the art solutions for minimally invasive spinal surgeries seemed a natural development in the evaluation process.

“As surgeons, we want to achieve the best outcome for our patients using the least invasive approach,” said Dr. K. Michael Webb, Interim Chief Medical Officer. “We jumped at the opportunity to see, feel and try out the latest technology that is just becoming available. We intend to stay ahead of all the developments in equipment, software and technology to ultimately provide the best solutions for our complex cases.”

In the past, surgeons had to choose between a non-navigated surgery or a navigated approach with a potentially larger incision to accommodate a device clamped to part of the spine which is necessary for navigation tracking during these complex spine cases. However, the new technology allows surgeons the benefit of navigation without having to create a larger incision. The SpineMask Tracker and SpineMap 3D 3.0 Software are used together along with the Stryker NAV3i navigation platform to provide a total solution for spine navigation procedures. This solution leverages Stryker's proprietary navigation camera which provides industry-leading accuracy¹ for navigated procedures.

Separately, Lakeway Regional Medical Center also evaluated the Ziehm Vision RFD 3D, the world's only 3D C-arm with a 30 cm x 30 cm flat-panel detector that combines 2D and 3D functionality in one device providing surgeons the ability to create 3D reconstructions in the operating room to ensure all implants have been optimally placed. The new C-arm delivers game-changing 3D imaging and is ideally suited for orthopaedics, traumatology and spinal surgery, but also for demanding cardiovascular hybrid applications. The Ziehm Vision RFD 3D can be utilized with surgical navigation products to facilitate the guidance of surgical instruments relative to a patient's anatomy, improving visualization and precision during minimally invasive surgical interventions.

“At Lakeway Regional Medical Center, we are really excited to offer our surgeons the opportunity to trial this important new technology,” said Philippe Bochaton, CEO of Lakeway Regional Medical Center. “Our surgeons get the benefit of trying the most innovative equipment and technology that, in the end, really benefits our patients who will receive top notch minimally invasive surgery.”

References

1. Elfring R, de la Fuente M, Radermacher K. Assessment of optical localizer accuracy for computer-aided surgery systems. *Comput Aided Surg.* 2010;15(1-3):1-12.

About Lakeway Regional Medical Center

Lakeway Regional Medical Center (LRMC) is a state-of-the art medical campus dedicated to the delivery of world-class healthcare. LRMC provides services in emergency medicine, neurosurgery, orthopedics, neurology, cardiology, general surgery, gastroenterology, women's health. For more information about LRMC, visit lakewayregional.com or call 512-571-5000.

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