Texas Health Plano, Texas Back Institute Offer SpineAssist Surgical Robot for Spine Surgeries

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Internationally renowned Plano surgeon co-invented technology

PLANO, Texas, July 28 /PRNewswire-USNewswire/ -- Fifteen-year-old Tressa Scott of Allen hasn't been able to stand up straight for more than a year — until now.

The Allen teenager grew an inch and a half and gained a dramatically straighter spine after undergoing a complex spinal surgery using a new type of surgical robot available at Texas Health Presbyterian Hospital Plano.

The SpineAssist® surgical robot – one of three in the United States and the only one in Texas – is the only surgical robot designed specifically to operate on the spine. Accurate to less than half a millimeter, it enables surgeons to plan the optimal surgery ahead of time using a computed tomography (CT)-based 3D simulation of the patient's spine.

"Like a pilot in a flight simulator, I can map out the patient's spinal anatomy and perform the entire procedure before the patient even arrives for surgery," said Dr. Isador Lieberman, a fellowship-trained orthopedic and spinal surgeon on the medical staff at the Texas Back Institute and Texas Health Plano. "It allows me to be more efficient and more precise, and to anticipate potential complications before they occur."

SpineAssist® technology can be used in biopsies, to treat thoracic-lumbar fusion and vertebral compression fractures, and to correct scoliosis. Robotic spinal surgery is the latest in a variety of advanced spine and orthopedic services that make Texas Health Plano and the Te

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