



Media Contact: Neil Devroy
Texas Scottish Rite Hospital for Children
(214) 559-7653
neil.devroy@tsrh.org

Sarah M. and Charles E. Seay/Martha and Pat Beard Center for Excellence in Spine Research

- Background:** A multidisciplinary center at Texas Scottish Rite Hospital for Children (TSRHC) focused on pediatric spine research. The center provides a forum for collaboration among experts to address specific challenges in the treatment of spinal deformities in children. Since the 1920s, TSRHC has been treating children and adolescents with scoliosis and has remained on the forefront of research efforts and treatment methods.
- Purpose:** To determine the cause of scoliosis, identify scoliosis earlier, better understand the factors that lead to curve progression, develop better ways to prevent curve progression and improve surgical treatments. A special emphasis is on early onset scoliosis, or patients who are diagnosed with the deformity as young children.
- Disciplines Involved:** Unites experts in molecular genetics, neurobiology, bioengineering and biomechanics, cellular pathology, movement science, orthopaedic surgery, orthotics and radiology to work side-by-side on the challenges in spine surgery and investigate new treatments for spinal deformity.
- Areas of Research:** Basic science, new implant design and modification, understanding spinal deformity and spinal growth, outcome following surgical and non-surgical treatments, defining adverse outcomes and complications and investigating minimal access surgical techniques.
- TSRH® Spinal System:** The TSRH® Spinal System was developed in the 1980s by TSRHC surgeons and engineers to treat patients with spinal deformities. It quickly became the No. 1 selling spine implant system in the world because of its versatility, its strength and its ease of use. Medtronic Sofamor Danek manufactures the implant system. A modified design, the TSRH® SILO™ 5.5 Spinal System was introduced in 2005 and is used in trauma, tumor and deformity surgery.