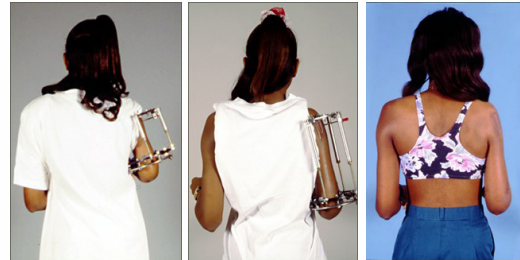


Center for Excellence in Limb Lengthening and Reconstruction

Through Texas Scottish Rite Hospital for Children's Center for Excellence in Limb Lengthening and Reconstruction, directed by John Birch, M.D., and Mikhail Samchukov, M.D., researchers work collaboratively with clinical and engineering staff to understand the mechanisms of new bone formation and soft tissue adaptation to tensional stress.



The Ilizarov technique is an innovative procedure used to treat limb-length differences, heal fractures, correct bone or soft tissue deformities and fill bone gaps.



TSRHC patient Leland, age 15, of Austin



John Birch, M.D., and Mikhail Samchukov, M.D., with TSRHC patient Jessica, age 14, of Dallas

True/Lok™ External Fixation System

Physicians at TSRHC developed the True/Lok™ External Fixation System, a modification of Ilizarov's treatment method, to treat patients with a variety of limb-length discrepancies. The patented True/Lok™ system is used around the world and continues to be improved through the center's efforts at TSRHC.



True/Lok™ External Fixation System