



THE CHARLES E. SEAY JR. CENTER FOR EXCELLENCE HAND

The Charles E. Seay Jr. Center for Excellence in Hand at Scottish Rite for Children offers specialized care to patients with hand conditions or disorders. Led by Dr. Scott Oishi, M.D., FACS, the center employs several full-time hand surgeons and hand experts. The team provides quality patient care to children with congenital or acquired conditions of the hand and upper extremities, as well as children who need complex reconstruction following trauma. The center uses leading-edge treatments and a comprehensive multidisciplinary approach to give patients maximum function, happiness and independence.



Dr. Oishi, M.D., FACS, and patient Ashby, of McKinney



Patient Kaden, of Florida

Conditions we treat:

- Arthrogyrosis
- Cleft Hand
- Polydactyly
- Hypoplastic Thumb
- Pollicization
- Radial Polydactyly
- Symbrachydactyly
- Syndactyly
- Thumb in Palm
- Trauma
- Trigger Thumb
- Madelung Deformity
- Other Hand Conditions

Scottish Rite for Children was the first pediatric orthopedic center in the United States to employ full-time hand surgeons. The hand surgeons at Scottish Rite are actively involved in research and education, and train doctors worldwide in the treatment of a wide range of hand disorders. Our research allows us to better understand each condition and the most effective treatment techniques.

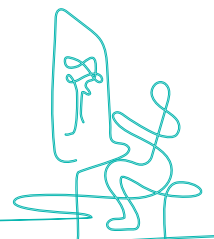


“We try to help the children become independent, with the self-esteem to face whatever challenges life will throw at them.”

Scott Oishi, M.D., FACS
Director of the Center for Excellence in Hand



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CENTER FOR EXCELLENCE SPORTS MEDICINE

The Center for Excellence in Sports Medicine at Scottish Rite for Children serves the comprehensive needs of athletes and provides management for sport-related injuries and conditions using a multidisciplinary approach. Led by Assistant Chief of Staff Philip L. Wilson, M.D., our world-renowned sports medicine experts help injured athletes get back in the game. Board-certified pediatricians, pediatric orthopedic surgeons, physical therapists, athletic trainers, psychologists and other sports medicine specialists work side by side with each athlete, their parents and coaches to develop the best game plan for treatment, rehabilitation and safe return to sport. The center also performs clinical research, which includes learning new ways to treat injuries and understand conditions to improve patient care and educate others in the field.



Physical therapist Madelyn with patient Thomas, of Irving

Conditions we treat:

- **Sport-Related Concussions**
- **Shoulder, Elbow and Wrist**
 - Overuse injuries from throwing and overhead sports, including osteochondritis dissecans (OCD)
 - Instability and dislocations; and labral conditions in the shoulder
 - Ligament injuries
 - Sport-related fractures
- **Hip**
 - Femoroacetabular impingement (FAI) and other labral conditions
 - Apophysitis and other overuse injuries
- **Knee and Ankle**
 - Anterior cruciate ligament (ACL) injuries
 - Patella (kneecap) and ankle instability
 - Osteochondritis dissecans (OCD), stress fractures, apophysitis and other overuse injuries in the leg
 - Sport-related sprains and fractures
 - Sever's disease and other overuse conditions
- **Medical Conditions**
 - Female Athlete Triad and other needs in female athletes



Patient Skye, of Allen





CENTER FOR EXCELLENCE SPORTS MEDICINE

The center engages in ongoing studies and quality improvement projects that enhance care and best practices locally and beyond. Many Scottish Rite for Children sports medicine staff are also committed to multicenter projects with peers at top-tier national programs as well as leading initiatives in the Pediatric Research in Sports Medicine Society. In addition to leading research, the center utilizes the Movement Science Laboratory at Scottish Rite for Children to quantify movement patterns and potential deficits in active children and teens. This data is used to address broader questions of how to reduce risk before an injury occurs based on sport and population.



Patient Eli, of Frisco



“When treating injuries and conditions around a joint, we apply the best principles for healing while remaining focused on future growth that may be affected by the current condition.”

Philip L. Wilson, M.D.

Director of the Center for Excellence in Sports Medicine and Assistant Chief of Staff



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CENTER FOR EXCELLENCE FOOT

The Center for Excellence in Foot at Scottish Rite for Children is one of the world's leading treatment centers for children with congenital and acquired foot conditions. The center utilizes a multidisciplinary team approach to provide the highest level of individualized patient care. Under the direction of Anthony I. Riccio, M.D., the center provides both operative and nonoperative treatment techniques and works to address the needs of the whole child, bringing together experts from orthopedics, radiology, orthotics, physical therapy, psychology and more to create custom treatment plans for each patient. The center's experts have vast experience managing both common and unique foot and ankle deformities in patients. The center also conducts extensive research to discover better treatment methods and advance patient care.



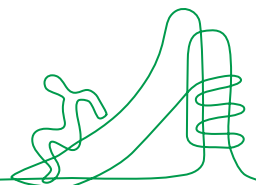
*Patient Kristen, of Cedar Hill, with
Anthony I. Riccio, M.D.*

Conditions we treat:

- Clubfoot
- Calcaneovalgus foot
- Congenital vertical talus
- Extra toes
- Flat feet (pes planus)
- High arched feet (pes cavus)
- Stiff cavovarus feet
- Metatarsus adductus
- Toe deformities
- Tarsal coalitions
- Sever's disease
- Ankle sprains
- Osteochondritis dissecans of the talus
- Fractures or Salter-Harris fractures
- Stress fractures
- Achilles tear



*Patient Austin, of Crowley, and
Anthony I. Riccio, M.D.*





SARAH M. AND CHARLES E. SEAY/MARTHA AND PAT BEARD CENTER FOR EXCELLENCE SPINE

The Sarah M. and Charles E. Seay/Martha and Pat Beard Center for Excellence in Spine is dedicated to developing innovative treatment techniques to care for the most complex pediatric spinal conditions. Directed by Chief of Staff and pediatric orthopedic surgeon Daniel J. Sucato, M.D., M.S., the center includes an integrated team of pediatric specialists in orthopedics, radiology, psychology, orthotics, physical therapy and more who use a multidisciplinary approach to treatment for each patient. The center uses the most advanced technology and research to provide an individualized and comprehensive treatment plan for every patient. The center also conducts groundbreaking research, which includes studying biology, genetics and treatment techniques to improve spine health for all children.



Daniel J. Sucato, M.D., M.S., and patient Baylor, of Louisiana

The center focuses on developing innovative techniques for treating the most common to the most complex spinal conditions. Spine research at Scottish Rite guides our doctors and researchers to determine the cause of scoliosis, identify scoliosis earlier and better understand the factors that lead to curve progression. Our research allows our team to develop new procedures and implant systems for treating scoliosis and other spinal conditions.



Patient Juan, of Rose City

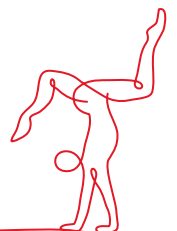
Conditions we treat:

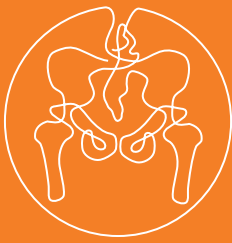
- Early Onset Scoliosis
- Idiopathic Scoliosis
- Congenital Scoliosis
- Neuromuscular Scoliosis
- Spondylolysis
- Spondylolisthesis



"We work to identify the causes of scoliosis and to develop novel strategies for treating challenging spine conditions."

*Daniel J. Sucato, M.D., M.S.
Director of the Center for Excellence in Spine and Chief of Staff*





CENTER FOR EXCELLENCE HIP



Harry Kim, M.D., M.S., and patient Kennedy, of Nevada

The Center for Excellence in Hip at Scottish Rite for Children provides high-quality medical care to children of all ages with hip conditions or disorders. Led by pediatric orthopedic surgeon Harry Kim, M.D., M.S., the center employs a team of experts from multiple disciplines to address all needs of the child. Specialists from orthopedics, radiology, physical therapy, psychology and more come together to create individualized treatment plans for each child. Our multidisciplinary team approach allows us to offer a broad spectrum of operative and nonoperative care to preserve, improve and repair the hip joint. The center also conducts groundbreaking research, which includes studying innovative treatment techniques and sharing findings with peers around the country.

Conditions we treat:

- Developmental dysplasia of the hip (DDH)
- Adolescent hip dysplasia
- Femoroacetabular impingement (FAI)
- Postinfectious hip deformity
- Slipped capital femoral epiphysis (SCFE)
- Legg-Calvé-Perthes disease (Perthes)
- Adolescent avascular necrosis
- Apophyseal injuries and avulsions
- Chondrolysis
- Coxa vara
- Arthritis
- Labral tears
- Stress fractures
- Transient synovitis
- Chronic hip pain



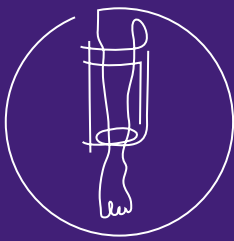
Patient Blair, of Dallas



William Z. Morris, M.D., and patient, Alonso, of Irving

Our experts are committed to advancing clinically important research to provide the best care to our patients. Several of the center's research projects have led to revolutionary, life-changing results. Our team contributes to large patient registries, which allows for the evaluation of treatment outcomes for a variety of conditions. Our physicians and researchers are also involved in multicenter hip research groups with peers at top-tier institutions around the country.





CENTER FOR EXCELLENCE LIMB LENGTHENING & RECONSTRUCTION

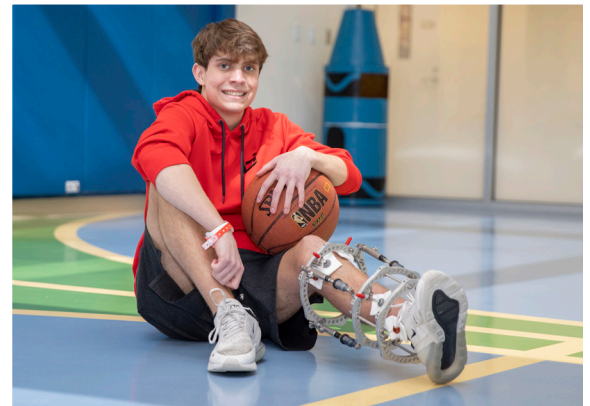


*Patient Mabel, of Tennessee,
and David A. Podeszwa, M.D.*

The Center for Excellence in Limb Lengthening and Reconstruction at Scottish Rite for Children focuses on improving the lives of patients with various limb deformities and leg length discrepancies. Using a unique multidisciplinary team approach, the center addresses the needs of children with limb length discrepancies for both congenital and acquired conditions. Pediatric orthopedic surgeon David A. Podeszwa, M.D., and researcher Mikhail Samchukov, M.D., lead the center, working collaboratively with orthopedic surgeons, psychologists, and physical and occupational therapists to treat the whole child. The center also conducts research, which includes studying ways to improve treatment methods and making the limb lengthening process easier for the patient.

Conditions we treat:

- Blount's disease/tibia vara
- Nonunions of long bones
- Hemihypertrophy/hemiatrophy
- Complex deformities of the hip
- Congenital pseudarthrosis of the tibia
- Complex deformities of the foot and ankle
- Rotational abnormalities of lower extremities
- Complex trauma of the hip and lower extremities
- Genu varum (bowlegs), genu valgum (knock-knees)
- Limb deformities associated with skeletal dysplasia
- Post-traumatic growth arrests and associated deformities
- Congenital deficiencies/deformities of the upper and lower extremities
- Limb length differences (upper and lower limb): Idiopathic, congenital, postinfectious, post-traumatic



Patient Austin, of Heath

Scottish Rite researchers have modified techniques, that were originally developed by Gavril Ilizarov, M.D., in Russia, to create the TRUE/LOK™ External Fixation System, which includes the TRUE/LOK™ HEX and TRUE/LOK™ Trauma systems. These systems are used to treat limb length differences in patients in the United States and worldwide. Areas of research for the Center for Excellence in Limb Lengthening and Reconstruction include refinement of current fixation systems, improvement of limb lengthening techniques and better management of limb deformities.

