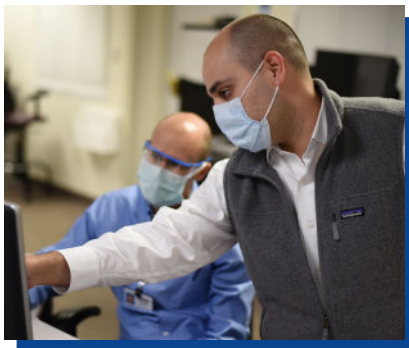


The Dorothy & Bryant Edwards Fellowship in **PEDIATRIC ORTHOPEDICS AND SCOLIOSIS**



Blueprint for the Future:

Providing the Point of Reference for Your Career



SCOTTISH RITE



®

SCOTTISH RITE FOR CHILDREN



Scottish Rite for Children has been training physicians in multiple disciplines of pediatric orthopedics since launching its fellowship program in 1978. Since then, more than 185 fellows have been through the rigorous program, many going on to become leaders at medical institutions around the country and across the world.

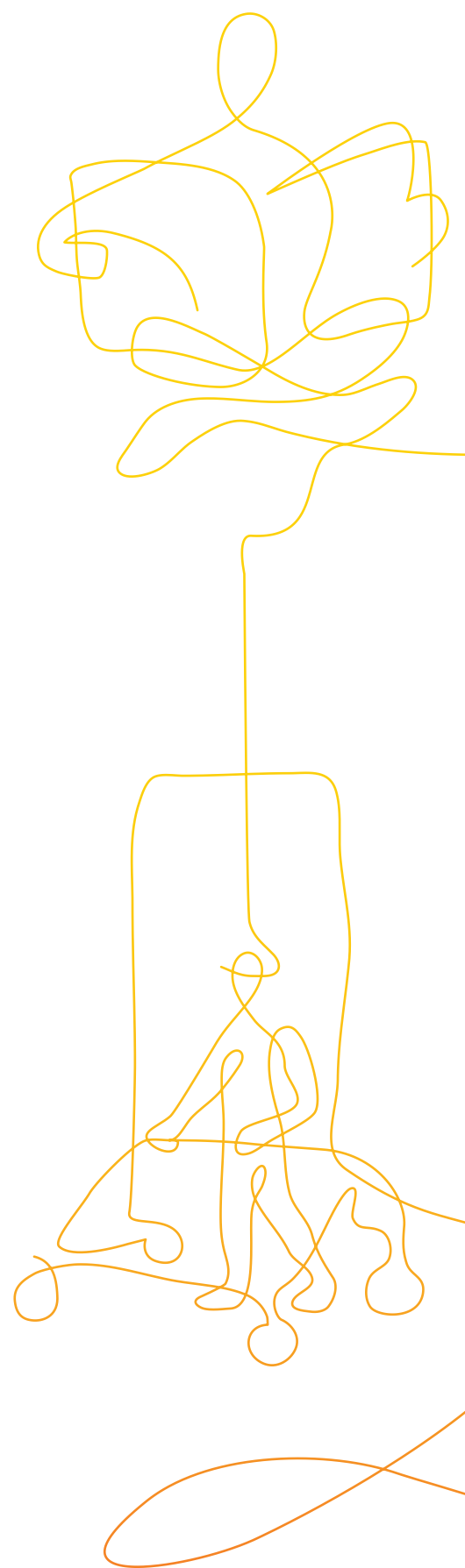
The fellowship is part of Scottish Rite for Children's history of excellence that includes expert, compassionate care and leading-edge research. *U.S. News & World Report* has repeatedly recognized Scottish Rite for Children's achievements, consistently ranking the organization, in conjunction with Children's Health, among the premier pediatric orthopedic facilities in the U.S.

Scottish Rite has also been named a top children's hospital by NRC Health for the fourth consecutive year, plus we are named a Top 100 Workplace by *The Dallas Morning News*.



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SCOTTISH RITE FOR CHILDREN

Scottish Rite for Children, Dallas



Scottish Rite for Children opened its doors to the children of Texas in 1921 after a group of Texas Masons approached Dallas' first orthopedic surgeon, W. B. Carrell, M.D., about caring for children with polio. For nearly 100 years since that auspicious beginning, the organization has treated more than 335,000 patients and has emerged as a world leader in pediatric orthopedic research, treatment and education.

Scottish Rite for Children primarily cared for children with polio until the 1950s when the Salk and Sabin vaccines virtually eradicated the disease in the Western Hemisphere. This allowed the medical staff at Scottish Rite

to expand treatment for a wide range of orthopedic conditions.

Now led by the organization's fourth chief of staff, Daniel J. Sucato, M.D., M.S., and President/CEO Robert L. "Bob" Walker, Scottish Rite for Children is one of the nation's leading pediatric orthopedic centers. The organization treats orthopedic conditions, including sports injuries and fractures, as well as certain arthritic, neurological and learning disorders, such as dyslexia. Patients receive treatment regardless of the family's ability to pay.

That philosophy of patient-centered care extends beyond treatment, to research and education. In Scottish Rite for Children's six Centers for Excellence, researchers are discovering the answers to pediatric orthopedic conditions while programs such as the Fellowship in Pediatric Orthopedics and Scoliosis prepares physicians to successfully deal with the most challenging cases they will face during their careers.





Growing and Improving

Megan E. Johnson, M.D. joined Scottish Rite in 2020. Johnson completed the Pediatric Orthopedic Surgery Fellowship at Scottish Rite. Johnson specializes in scoliosis and spine, clubfoot and other disorders, general orthopedics and orthopedic trauma. Scottish Rite welcomed Carole Deally, M.D. in 2021.

Deally is fellowship trained in Pediatric Critical Care from the Hospital for Sick Children in Toronto and in Pediatric Cardiac Critical Care from the Children's Hospital of Philadelphia. In the summer of 2021, Scottish Rite welcomed Jaysson T. Brooks, M.D., and Jason Petrasic, M.D.

Scottish Rite for Children Orthopedic and Sports Medicine Center

The Scottish Rite for Children Orthopedic and Sports Medicine Center is situated on 40 acres in Frisco, Texas. The 350,000-square-foot, five-story building houses the full scope of orthopedic and ancillary outpatient services offered by Scottish Rite. Areas of the building have been reserved for future expansion, which could include inpatient care. Much like the Dallas campus, this space includes a conference center, a large multi-disciplinary orthopedics clinic, family services including child life and social work, a full orthotics and prosthetics lab, a large outpatient therapy services area, a playground and an incredibly welcoming environment for children and families.

Unique programs and features in Frisco include:

- **Ambulatory Surgery Center** – full-time pediatric anesthesiologists, pediatric nurses and support staff for two spacious operating rooms and one procedure room. The center also has an observation area for trainees and space reserved for two additional operating rooms.

Scottish Rite for Children, Frisco



- **Sports Medicine Clinic and Services** – Operative and non-operative care for young athletes is provided by a dedicated team of nurses, medical assistants, in-clinic athletic trainers and outpatient physical therapists. The clinic and indoor and outdoor spaces were purpose-built to meet the needs of these patients. Other sport-focused ancillary resources include a psychologist, certified sports dietitian, certified orthotist and strength and conditioning coaches.
- **Fracture Clinic** – Led by advanced practice providers, as well as a dedicated team of nurses, medical assistants and orthopedic technicians, the fracture clinic offers non-operative fracture care, including closed reduction with hematoma blocks and sedation. The clinic offers weekday morning walk-in hours.
- **Movement Science Lab** – The dedicated team, leading-edge technology and the expansive space have already received national attention for advancements in sports medicine and injury prevention. Motion capture, in-floor force plates and other technologies support indoor and outdoor movement analysis for all patient populations.



Patient Aaliyah, of Cedar Hill

- **Radiology Services** – Our three digital X-ray suites, EOS Imaging System and 3T MRI are supported by full-time pediatric musculoskeletal radiologists and a dedicated staff. Radiologists actively participate in weekly case reviews, research and quality projects to enhance services and care.



Patient A.J., of Baytown

Scottish Rite for Children turns 100 in October 2021! The *Boundless Centennial Campaign* celebrates our first century of milestones and accomplishments while paving the way for the next 100 years of discovery and innovation. Funds raised through the campaign will have a lasting impact for future generations of children who receive exemplary care at Scottish Rite.

Our goal for Boundless is to raise \$100 million for our ambitious plan and urgent needs for patient care initiatives, research and brick and mortar projects.

Through the generosity and commitment from the community and all our friends, Scottish Rite for Children has been able to give children back their childhood for 100 years, and with your continued support, we can give hope to even more children in our second century.

A Message from Daniel J. Sucato, M.D., M.S. Chief of Staff



Welcome to the fellowship application process – enjoy the journey. It is a special time you have earned through your hard work and dedication, so take it all in as you travel “on the trail.”

As you know, pediatric orthopedic surgery is unlike any other subspecialty of orthopedics. You have the opportunity to treat the entire patient – from the spine, to the hip, to the knee, to the foot. Although sub-specialization is here to stay, it is important to gain a good foundation in all aspects of pediatric orthopedics, and this requires a very busy, comprehensive training.

The fellowship program must provide a teaching environment for the fellow with significant staff interaction while offering the opportunity to perform surgical procedures from the straightforward to the most complex. The combined experience of training at Scottish Rite for Children and Children’s Health provides an opportunity to work with 20 pediatric orthopedic surgeons who are known throughout the world, who love taking care of children, who do the best for each and every patient and always look for better ways to manage pediatric orthopedic conditions through quality research. The fellowship program here at Scottish Rite provides you with all you need and more.

Our three core activities are patient care, research and education with the patient being the priority in all we do. It is a clear vision that allows us to take great care of patients, to research questions for improved patient care and to educate you and ourselves. The latter is best exemplified by our Monday night preoperative conference – 2 ½ hours of learning from each other with everyone present. The formal education and clinic time is balanced by a very robust operative experience with thousands of surgical procedures each year and graduated responsibility for the fellows.

In summary, the fellowship program at Scottish Rite provides a great opportunity to learn, expand your skillset and become a member of a family that was started 41 years ago. You will leave here with a comprehensive set of surgical skills, knowledge and experience that will serve you well throughout your career as a pediatric orthopedic surgeon.

I look forward to seeing you.

A handwritten signature in black ink, appearing to read "Dan Sucato". The signature is fluid and cursive, written in a professional style.

SCOTTISH RITE FOR CHILDREN FELLOWSHIP IN PEDIATRIC ORTHOPEDICS AND SCOLIOSIS



Emmanouil Grigoriou, M.D. • Allen Kadado, M.D. • Edwin Portalatin, M.D. • William Bassett, M.D. • Zachary Meyer, M.D.

Fellows have the opportunity to:

- Work in an interactive environment that supports learning.
- Become a frontline member of the patient care team.
- Care for children with a wide array of pediatric orthopedic conditions, including rare cases that physicians may never see elsewhere during their careers.
- Learn from a diverse variety of opinions.

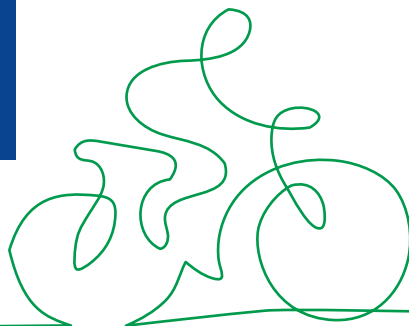
The Scottish Rite for Children fellowship is an extraordinary clinical training program that allows physicians to master the skills they need to manage the full gamut of pediatric orthopedic and spine deformity problems.

The program provides in-depth training in reconstructive pediatric orthopedics, trauma and infection and takes place in a unique collegial learning environment that supports intensive, thorough education. No other institution in the nation offers five year-long accredited fellowship positions.

The organization is a busy pediatric orthopedic referral center, and the fellow is a frontline member of the patient care team.

“This fellowship is more than a program. It is the beginning of a lifelong dedication to the acquisition of knowledge and skill and a habit of questioning dogma,” said Tony Herring, M.D., chief of staff emeritus.

Residents in orthopedic surgery should apply for the one-year program in their postgraduate third or fourth year. Other physicians who have completed orthopedic training may also apply.



“It really is a foundation in all facets of pediatric orthopedics.”

— 2012 Fellow Rebecca Clinton, M.D.

The fellowship includes:

- Training with one of the largest and most experienced pediatric orthopedic staff in the country. Scottish Rite's 20 orthopedic surgeons have 200 years in combined experience and hold faculty appointments at UT Southwestern Medical Center. Many are leaders of national medical associations, including POSNA, SRS and IMAST.
- Experience treating rare and complex spine, hip and extremity disorders referred to Scottish Rite because of its reputation for solving challenging orthopedic problems. The Frisco campus also offers a pediatric fracture clinic where fellows can learn about the diagnosis, management and treatment of fractures in patients whose growing bones require special attention.
- Opportunities to learn and practice sports medicine at the Scottish Rite for Children Orthopedic and Sports Medicine Center in Frisco, including participating in arthroscopic and other sport-related surgical procedures.
- Rotations at Children's Health, one of only two pediatric Level 1 trauma centers in Texas, managing fractures and other acute orthopedic conditions. The rotations include participation in The Joint Commission-certified musculoskeletal infection service directed by Lawson Copley, M.D., and the busy pediatric orthopedic hand service managed by Christine Ho, M.D.
- Research projects at an institution known for its discovery of genes implicated in scoliosis and juvenile arthritis and its patented devices for the treatment of scoliosis and limb differences. The projects are appropriate for scientific meetings and publication.
- A collegial attitude in which each case is rigorously and openly debated to ensure the best outcomes for patients.

The fellowship program begins August 1 and is accredited by the Accreditation Council for Graduate Medical Education.

*Residents and foreign medical graduates need to apply through the San Francisco Matching Program to be considered for a fellowship position.

See a video on the fellowship experience.



Scottish Rite for Children acknowledges OMeGA Medical Grants Association and the support of DePuy Synthes, Medtronic and Zimmer Biomet for their generous pediatric orthopedic grant. We are also grateful for additional program support provided by NuVasive, Inc.



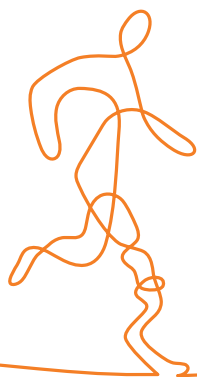
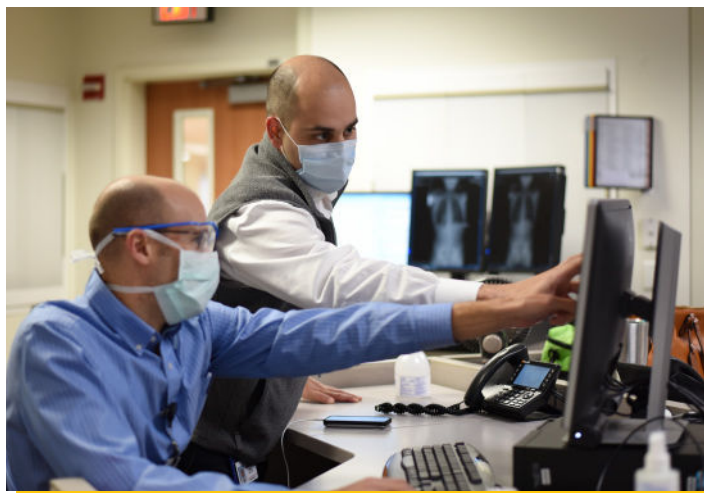
Fellow Allen Kadado, M.D.; Patient Aspen, of Lewisville



ROTATION SCHEDULE



Fellowship rotations at Scottish Rite for Children are a mentor-based team structure that allows the fellow to work with two surgeons per month. In surgical cases, fellows assist the staff or are the primary surgeon with attending supervision depending on case complexity. The fellows are also provided three months of elective time at the end of the academic year to focus on specialized areas of pediatric orthopedic surgery to better prepare for the specific clinical responsibilities of their future job and/or fulfill their educational needs.



SAMPLE SCHEDULE

Rotation Months	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July
TEAM 1												
Sucato Herring	Fellow 1		Fellow 2	Fellow 5		Fellow 4	Fellow 3			Fellow Elective		
TEAM 2												
Wimberly Brooks	Fellow 2	Fellow 5		Fellow 4	Fellow 3			Fellow 1		Fellow Elective		
TEAM 3												
Ramo Rathjen		Fellow 1		Fellow 2	Fellow 5		Fellow 4	Fellow 3		Fellow Elective		
TEAM 4												
Morris Podeszwa			Fellow 1		Fellow 2	Fellow 5		Fellow 4	Fellow 3	Fellow Elective		
TEAM 5												
Kim Johnson	Fellow 3			Fellow 1		Fellow 2	Fellow 5		Fellow 4	Fellow Elective		
TEAM 6												
Riccio	Fellow 4	Fellow 3			Fellow 1		Fellow 2	Fellow 5		Fellow Elective		
TEAM 7												
McIntosh	Fellow 5		Fellow 4	Fellow 3			Fellow 1		Fellow 2	Fellow Elective		
TEAM 8												
Frisco Campus		Fellow 2	Fellow 5		Fellow 4	Fellow 3			Fellow 1	Fellow Elective		
TEAM 9												
CMC Trauma		Fellow 4	Fellow 3			Fellow 1		Fellow 2	Fellow 5	Fellow Elective		

CONFERENCE SCHEDULE



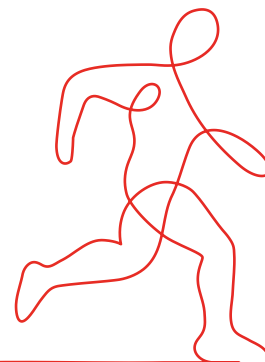
Fellows participate in weekly and monthly didactic conferences. Scottish Rite for Children also hosts visiting professors to provide fellows the opportunity to collaborate with experts in the field. Additionally, fellows and staff physicians attend bimonthly journal clubs during which attendees review articles from peer-reviewed orthopedic journals.

The schedule includes:

- Monday morning one-on-one teaching conferences with individual orthopedic staff surgeons covering topics such as spine deformity, hip dysplasia and limb lengthening and reconstruction.
- Monday evening pre-operative indications and surgical planning conferences, the 2.5-hour crown jewel of our educational component. Varied opinions are considered, enhancing decision-making in complex situations.
- Tuesday morning core curriculum lectures in pediatric orthopedics by Scottish Rite for Children physicians, outside doctors, residents and fellows, followed by morning presentations of interesting and complex cases.
- Wednesday morning fracture/MSK infection conferences at Children's Health.
- Thursday mornings alternate between spine, hip and limb reconstruction conferences, and neuromonitoring case reviews.
- Friday morning post-operative case conferences — a detailed review of the surgical cases of the week.

"I came from a place where no one questioned the boss, and here everyone questions the boss."

– Daniel Sucato, M.D., M.S., Chief of Staff, 1997 Fellow



SURGICAL EXPERIENCE



The surgical experience at Scottish Rite for Children encompasses a large number of cases with a significant variety of pathology and a wide spectrum of complexity, from the straightforward to the very challenging. Fellows play an integral role in all aspects of surgery, including pre-operative evaluations and post-operative care and follow-up. They work with two attending physicians for one- to two-month rotations, providing an opportunity to assess patients, plan and perform surgery and conduct and observe follow-up care with the surgeons.

Scottish Rite physicians and fellows perform more than 2,800 surgeries annually and receive training and experience in:

- Posterior spinal fusions and instrumentations
- Growing rod placement and lengthening
- Spinal osteotomies, kyphectomies, hemivertebrae excisions and vertebral column resections
- Mehta casting for early-onset scoliosis
- Pelvic osteotomies (Salter, Pemberton, etc.)
- Ganz periacetabular osteotomy
- Surgical hip dislocation, knee and hip arthroscopy
- ACL reconstruction
- Growth modulation
- Limb lengthening and reconstruction by the Ilizarov method and Intramedullary Nails
- Clubfoot management
- Foot and upper extremity reconstruction

Operating facilities and staff include:

- Six operating suites and a "plaster room" for cast application/changes and arthrograms, all dedicated to orthopedic surgery and featuring state-of-the-art lighting, video monitoring, video conferencing capability, digital photography and the ability to record surgical procedures at the touch of a button.
- The highest quality surgical equipment, including radiolucent spine tables, endoscopic instruments, microscope and fluoroscopy units with intraoperative CT scanning capability.
- Ancillary technology, such as spinal cord monitoring, cell saver and post-operative pain management techniques, including pain balls, PCA and epidural analgesia.
- Nine full-time pediatric anesthesiologists, a pain management nurse practitioner and 30 surgical nurses, all dedicated to orthopedics.

EDUCATIONAL OPPORTUNITIES



Scottish Rite for Children provides its fellows support for educational opportunities both on and off campus. Each fellow receives a \$3,500 educational allowance to attend national seminars.

The fellows also attend receptions at AAOS and POSNA annual meetings for former Scottish Rite fellows, hosted each year by the organization's pediatric orthopedic surgeons. These opportunities for collaboration offer fellows the experience and relationships needed for a successful career in pediatric orthopedics.

Guided by Scottish Rite staff, fellows participate in bioskills lab training several times during the fellowship year. Each session consists of multiple areas of focus, including spine, hip, lower extremity and hand.

Fall Spine Symposium Visiting Professors

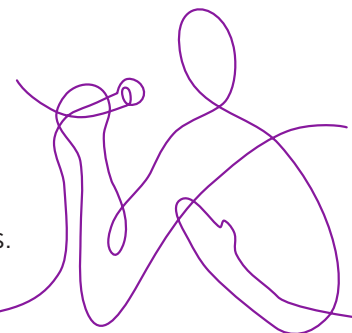
- 2021 Amer Samdani, M.D.
- 2018 Michael Vitale, M.D., M.P.H.
- 2016 Hubert Labelle, M.D., and Stefan Parent, M.D.
- 2015 Muharrem Yazici, M.D.
- 2014 John G. Birch, M.D., and Charles E. Johnston, M.D.
- 2013 Paul D. Sponseller, M.D., M.B.A.
- 2012 Reinhold Ganz, M.D.
- 2011 Se-Il Suk, M.D., Ph.D.
- 2010 William G. MacKenzie M.D.
- 2009 Christopher W. Reilly, M.D., and Alexander Vaccaro, M.D., Ph.D., FACS
- 2008 Jacques L. D'Astous, M.D., and Min H. Mehta, M.B.B.S., FRCS
- 2007 Oheneba Boachie-Adjel, M.D.
- 2006 Harry L. Shufflebarger, M.D., and David S. Bradford, M.D.
- 2005 John B. Emans, M.D., Lawrence Lenke, M.D., Peter J. Newton, M.D., and Randal Betz, M.D.
- 2004 Robert Campbell, M.D.

Fall Spine Symposium

Each fall, the Sarah M. and Charles E. Seay/Martha and Pat Beard Center for Excellence in Spine Research at Scottish Rite hosts a symposium as part of its ongoing commitment to innovative research efforts and improving treatment for children with scoliosis and other orthopedic conditions. Visiting professors and health care practitioners, fellows and Scottish Rite staff present cases with the goal of deepening our understanding of orthopedic treatment. The T. Boone Pickens Birthday Fund underwrites the symposium.

Ezaki Carter Visiting Professorship

The Charles E. Seay, Jr. Center for Excellence in Hand & Upper Extremity, hosts the Marybeth Ezaki, M.D./Peter Carter, M.D. Visiting Professorship. This symposium is meant to honor Ezaki and Carter for their many years of practice at Scottish Rite. Visiting professors and health care professionals, past and present fellows, and Scottish Rite staff present cases with the goal of understanding new options and how they can be helpful in hand surgery and treatment. Together physicians discuss current innovations and improvements in diagnoses and treatments for children with upper extremity anomalies and injuries.



Brandon Carrell Visiting Professorship

For 41 years, Scottish Rite's Orthopedic department has presented the Brandon Carrell Visiting Professorship. The annual course is designed for pediatric orthopedic surgeons and other surgeons with an interest in current pediatric orthopedic practices and brings together prominent physicians to discuss the latest advancements in spine deformity treatment and research. Fellows have an opportunity to present their research projects along with the visiting professor, Scottish Rite physicians and researchers, and other visiting orthopedic surgeons.

The Brandon Carrell Visiting Professorship was inaugurated in 1978 in honor of Dr. Carrell's lifelong contribution to pediatric orthopedics. Dr. Carrell was Scottish Rite's second chief of staff, serving from 1945 to 1978. He continued in an active role as chief of staff emeritus until his death in 1981. He improved the lives of thousands of children from all walks of life and taught scores of young orthopedists the principles and practice of pediatric orthopedics.

Brandon Carrell Visiting Professors

2022	B. Stephens Richards, M.D.	1999	Charles T. Price, M.D.
2021	David Skaggs, M.D., M.M.M., and James McCarthy, M.D., MHCM	1998	Dennis R. Wenger, M.D.
2019	Steven Frick, M.D., and James Sanders, M.D.	1997	Raymond T. Morrissy, M.D.
2018	Peter Newton, M.D.	1996	Jean Dubousset, M.D.
2017	Deborah Eastwood, M.B., Ch.B., FRCS	1995	Robert Gillespie, M.D., Ch.B., FRCS(C) (Ed)
2016	Gregory A. Mencio, M.D.	1994	Kaye E. Wilkins, M.D.
2015	John E. Herzenberg, M.D.	1993	Vernon T. Tolo, M.D.
2014	Benjamin A. Alman, M.D., FRCS(C)	1992	Norris Carroll, M.D.
2013	Vincent Mosca, M.D.	1991	Stuart Weinstein, M.D.
2012	Gerard Bollini, M.D.	1990	John H. Wedge, M.D.
2011	Peter M. Waters, M.D.	1989	Alain Dimeglio, M.D.
2010	H. Kerr Graham, M.D.	1988	Lynn T. Staheli, M.D.
2009	Jack Flynn, M.D., and John Hall, M.D.	1987	Howard H. Steel, M.D.
2008	J. A. "Tony" Herring, M.D.	1986	Robert Hensing, M.D.
2007	John P. Dormans, M.D.	1985	Alvin H. Crawford, M.D., Dean Macewen, M.D., and Raymond T. Morrissy, M.D.
2006	James W. Roach, M.D.	1984	Eugene E. Bleck, M.D.
2005	Perry L. Schoenecker, M.D.	1983	Mihran O. Tachdjian, M.D.
2004	Dror Paley, M.D., FRCS(C)	1982	Sherman Coleman, M.D.
2003	Jürgen Harms, M.D. (Germany)	1981	Ignacio V. Ponseti, M.D.
2002	Reinhold Ganz, M.D. (Switzerland)	1980	George Lloyd-Roberts, M.D.
2001	Richard H. Gross, M.D., and J. Andy Sullivan, M.D.	1979	John E. Hall, M.D., and Anthony Caterall, M.D.
2000	James R. Kasser, M.D.	1978	Eduardo Luque, M.D., and Mercer Rang, M.D.



FELLOWSHIP PROGRAMS



Left to right: 2019 Lawson International Fellow Pablo Eamara., 2019 Edwards Fellows Drs. Louis Bezuidenhout and Erin Honcharuk; Mac Cannedy, Bryant Edwards Foundation president and Connie Cannedy; 2019 Edwards Fellows Drs. Bobby Palmer, Elaine Tran and Melissa Esparza.

Bryant Edwards Foundation, Inc.

In the early 1940s, Dorothy and Bryant Edwards were moved by the mission of Scottish Rite for Children when the 3-year-old daughter of one of their ranch hands was treated for polio there. When the young child returned to the ranch, Bryant noticed that she had received outstanding care and was amazed that the facility did not present the family with a bill.

Intrigued by Scottish Rite's commitment to putting children first, the couple began a long-standing relationship with the organization through their generous support of pediatric orthopedic medical education.

In the late 1980s, on one of her many visits to the Dallas campus, Dorothy set up an endowment to support the fellowship program at Scottish Rite. In honor of these longtime friends, the Dorothy and Bryant Edwards Fellowship in Pediatric Orthopedics and Scoliosis was established to create a legacy of helping children throughout the world by providing exceptional training for young physicians.

Today, Mac Cannedy serves as president of the Bryant Edwards Foundation, Inc. Mac, his wife, Connie, and their family remain dedicated to Scottish Rite. They have continued to support the legacy of Dorothy and Bryant through the Edwards Fellowship.



Tony Herring, M.D. and Dorothy Edwards, 1997

John and Ellen McStay International Fellowship

John and Ellen McStay are longtime friends and supporters of Scottish Rite. In 1991, they created the John and Ellen McStay Foreign Fellowship Fund to honor their friend, Tony Herring, M.D.

The fund supports training in pediatric orthopedics to an international fellow at Scottish Rite for Children, bolstering the organization's commitment to global excellence in patient care, research and education and promoting a lifelong enthusiasm for learning, practicing and teaching pediatric orthopedics.



Ellen and John McStay

John S. Appleton Fellowship in Spine Research

The John S. Appleton Fellowship in Spine Research was established in memory of John S. Appleton, a good friend and longtime supporter of the organization. John was introduced to Scottish Rite for Children in 1990 by Charles E. Seay, Jr. and became involved in the Tartan Golf Classic, an annual tournament benefiting the organization. He joined the Tartan board, serving as chairman in 1994 and as a tournament sponsor for 11 years.

Proceeds from the 2005 Tartan Golf Classic auction were designated to fund the Appleton Fellowship, a research position in the Sarah M. and Charles E. Seay/Martha and Pat Beard Center for Excellence in Spine Research. John and his wife, Deborah, shared a commitment and enthusiasm for Scottish Rite that lives on through the fellowship and the patients treated at the organization each day.



John S. Appleton

L. Ray Lawson, M.D., International Pediatric Spine Research Fellowship

Throughout his career, L. Ray Lawson, M.D. had an abiding love for Scottish Rite for Children and dedication to the care of young patients with spinal deformities. Lawson was instrumental in developing anterior approaches to the spine and performed the first spinal surgery using the groundbreaking Harrington Rod at Scottish Rite. He was also responsible for establishing the organization's first scoliosis clinic and was a founding member of the national Scoliosis Research Society (SRS). In 1999, the SRS awarded Lawson the prestigious Walter Blount Lifetime Achievement Award.

To honor his dedication to the field of pediatric spinal deformities, the L. Ray Lawson, M.D., International Pediatric Spine Research Fellowship was established in his memory in 2012 to provide educational opportunities to young doctors from around the globe who share his passion.



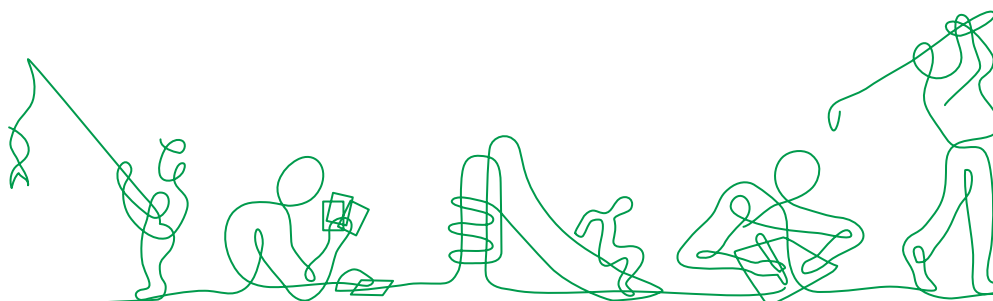
L. Ray Lawson, M.D.

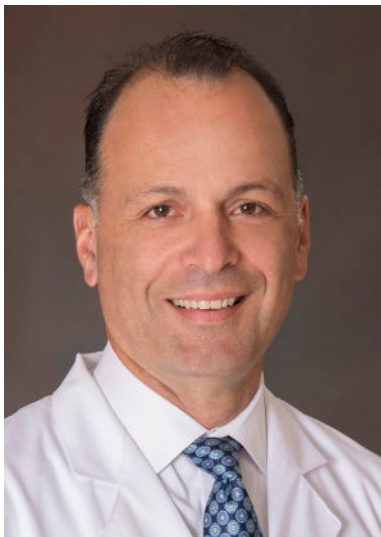
A.C. and Eleanor M. Garison Fellowship in Hand and Upper Limb Treatment

A.C. and Eleanor M. Garison shared their enthusiasm for life through their dedication to the Dallas community, including their support of Scottish Rite for Children. Established in 2013, the A.C. and Eleanor M. Garison Fellowship in Hand and Upper Limb Treatment extends the legacy of this loving couple by providing advanced educational opportunities for the next generation of hand surgeons. Scottish Rite has trained more than 100 hand fellows.



A.C. and Eleanor M. Garison





CHIEF OF STAFF

Daniel J. Sucato, M.D., M.S.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery, *Professor*

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas
- Parkland Health & Hospital System
- UT Southwestern University Hospital – St. Paul
- UT Southwestern James W. Aston Ambulatory Care Center

Education:

- State University of New York at Buffalo, School of Medicine, *Magna Cum Laude*

Residency:

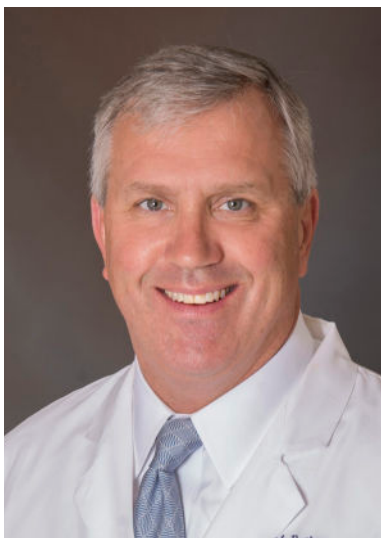
- State University of New York at Buffalo, School of Medicine, Orthopaedic Surgery

Fellowships:

- State University of New York at Buffalo, School of Medicine, Basic Science Research
- Scottish Rite for Children, Dorothy and Bryant Edwards Fellowship in Pediatric Orthopedics
- Inselspital, Bern, Switzerland Professor Reinhold Ganz, Hip Preserving Surgery

Board Certification:

- American Board of Orthopaedic Surgery



ASSISTANT CHIEF OF STAFF

Karl E. Rathjen, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas
- Parkland Health & Hospital System

Education:

- UT Southwestern Medical School, *Alpha Omega Alpha*

Residency:

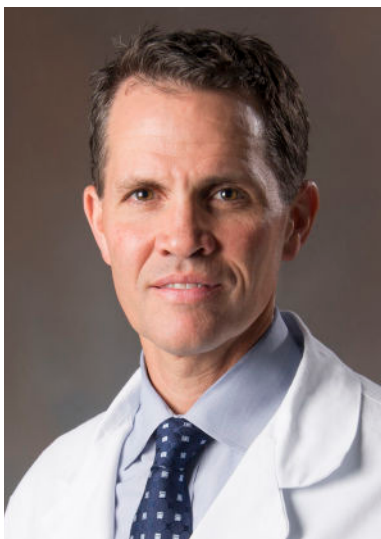
- UT Southwestern Medical Center
Orthopaedic Surgery

Fellowship:

- Children's Hospital of San Diego
University of California, San Diego
Pediatric Orthopaedics

Board Certification:

- American Board of Orthopaedic Surgery



ASSISTANT CHIEF OF STAFF

Philip L. Wilson, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- UT Southwestern Medical School

Residency:

- UT Southwestern Medical Center
Orthopaedic Surgery

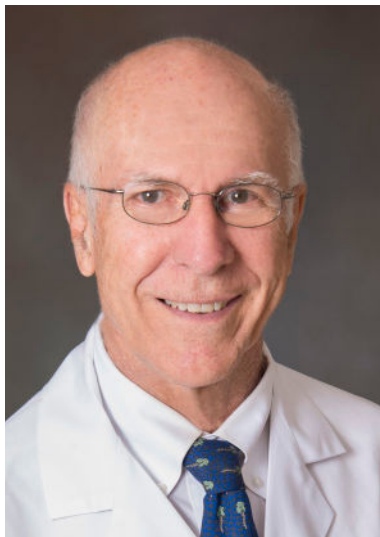
Fellowships:

- Children's Hospital of San Diego
Pediatric Orthopaedics
- ADIDAS Sports Medicine Clinics
Arthroscopy/Sports Medicine
Auckland, New Zealand

Board Certification:

- American Board of Orthopaedic Surgery

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CHIEF OF STAFF EMERITUS

J. A. "Tony" Herring, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery, *Professor*

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas
- Parkland Health & Hospital System
- UT Southwestern University Hospital – St. Paul

Education:

- Baylor University College of Medicine,
Alpha Omega Alpha

Residency:

- Harvard Combined Orthopaedic Program –
Orthopaedic Surgery

Fellowships:

- Harvard University Surgical Research
- Berg Sloat Traveling Fellowship, 1975

Board Certification:

- American Board of Orthopaedic Surgery



PEDIATRIC ORTHOPEDIC SURGEON

Jaysson T. Brooks, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Assistant Professor

Affiliation:

- Scottish Rite for Children

Education:

- Oakwood University, Bachelor of Science in
Biology
- Loma Linda University School of Medicine

Residency:

- Johns Hopkins University School of Medicine,
Department of Orthopaedic Surgery

Fellowship:

- Rady Children's Hospital - San Diego,
Pediatric Orthopaedics & Scoliosis

Board Certifications:

- American Board of Orthopaedic Surgery



SPORTS MEDICINE PHYSICIAN

Jane S. Chung, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Assistant Professor

Affiliation:

- Scottish Rite for Children

Education:

- University of California, San Diego:
B.S. in Biochemistry/Cell Biology
- St. George's School of Medicine: M.D.

Residency:

- Louisiana State University Health Sciences
Center, Children's Hospital, Pediatrics

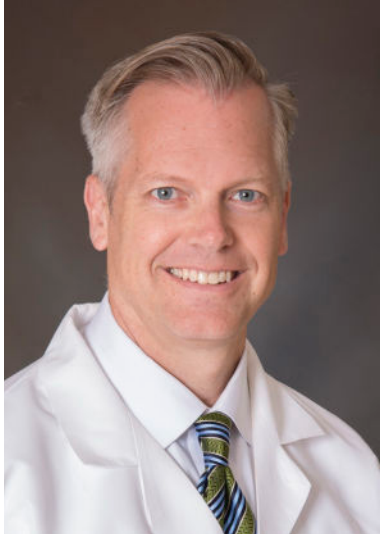
Fellowship:

- Case Medical Center, University Hospitals
Rainbow Babies and Children's Hospital
Cleveland, Ohio, Sports Medicine

Board Certification:

- American Board of Pediatrics, Pediatrics
- American Board of Pediatrics, Sports Medicine

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STAFF ORTHOPEDIST

Lawson A. B. Copley, M.D.

Academic Affiliations:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Professor
- UT Southwestern Medical Center
Department of Pediatrics,
Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- The University of Kansas Medical Center
Magna Cum Laude, Alpha Omega Alpha

Residency:

- University of Pennsylvania Orthopaedic Surgery

Fellowship:

- Scottish Rite for Children, Dorothy and Bryant
Edwards Fellowship in Pediatric Orthopedics

Board Certification:

- American Board of Orthopaedic Surgery



HOSPITALIST

Carole Deally, M.D.

Affiliation:

- Scottish Rite for Children

Education:

- University of Manitoba

Residency:

- University of Manitoba,
Pediatrics and General Surgery

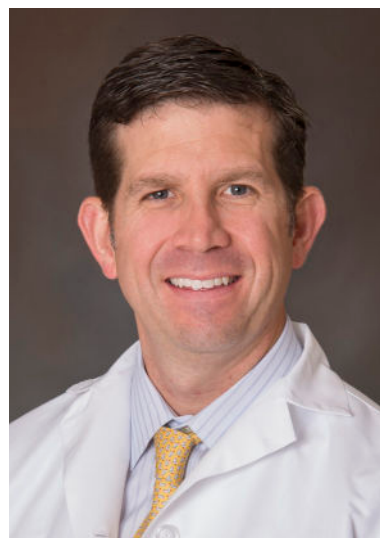
Fellowships:

- The Hospital for Sick Children,
University of Toronto
Pediatric Critical Care

- Children's Hospital of Philadelphia
Pediatric Cardiac Critical Care

Board Certification:

- Royal College of Physicians and Surgeons of
Canada, Pediatrics
- Royal College of Physicians and Surgeons of
Canada, Pediatric Critical Care



PEDIATRIC ORTHOPEDIC SURGEON

Henry B. Ellis, Jr., M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Assistant Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- The University of Texas Health Science Center
San Antonio

Residency:

- UT Southwestern Medical Center
Orthopaedic Residency

Fellowships:

- Steadman Philippon Research Institute and
the Steadman Clinic, Vail, Colorado
Sports Medicine Fellowship
- The Hospital for Sick Children,
University of Toronto
Pediatric Orthopaedic Fellowship

Board Certification:

- American Board of Orthopaedic Surgery

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PEDIATRIC ORTHOPEDIC SURGEON

Corey S. Gill, M.D., M.A.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Assistant Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- University of Georgia,
B.S. in Microbiology, B.S. in Psychology
- Washington University in St. Louis School of
Medicine, M.A., M.D.

Residencies:

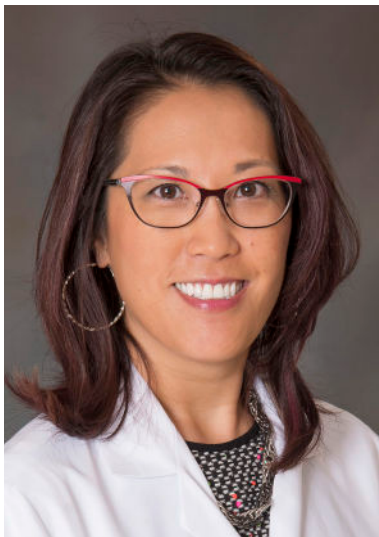
- Washington University in St. Louis Department
of Orthopedics, Orthopedic Surgical Residency
- Barnes–Jewish Hospital, Department of
Orthopedic Surgery Residency

Fellowships:

- Scottish Rite for Children, Dorothy and Bryant
Edwards Fellowship in Pediatric Orthopedics

Board Certification:

- American Board of Orthopaedic Surgery



STAFF HAND SURGEON

Christine A. Ho, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Associate Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas
- Parkland Health and Hospital Systems
- UT Southwestern - Zale Lipshy
- UT Southwestern - St. Paul

Education:

- UT Southwestern Medical School

Residency:

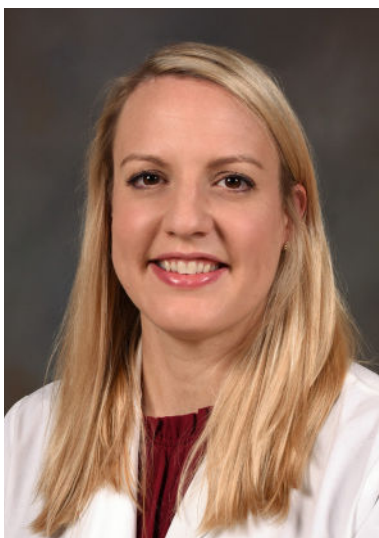
- University of Southern California Orthopaedic
Surgery
Resident Physician

Fellowships:

- Scottish Rite for Children, Dorothy and Bryant
Edwards Fellowship in Pediatric Orthopedics
and Scoliosis
- Scottish Rite for Children, Department of
Pediatric Hand Surgery

Board Certification:

- American Board of Orthopaedic Surgery



PEDIATRIC ORTHOPEDIC SURGEON

Megan E. Johnson, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Assistant Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- Vanderbilt University Medical School, *Alpha
Omega Alpha*

Residency:

- Vanderbilt University Medical Center,
Orthopaedic Residency

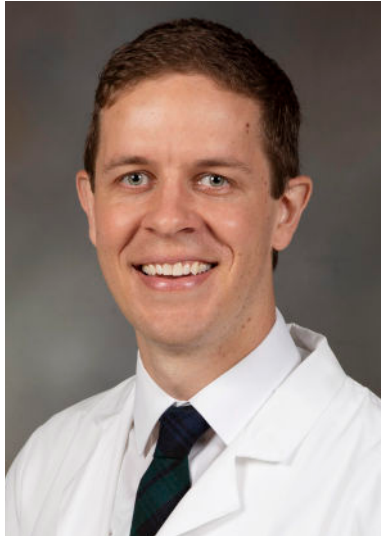
Fellowship:

- Scottish Rite for Children, Dorothy and Bryant
Edwards Fellowship in Pediatric Orthopedics

Board Certification:

- American Board of Orthopaedic Surgery

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SPORTS MEDICINE PHYSICIAN

Jacob C. Jones, M.D., RMSK

Affiliation:

- Scottish Rite for Children

Education:

- University of Missouri-Columbia

Residency:

- Children's Medical Center/UT Southwestern Medical Center, Pediatrics

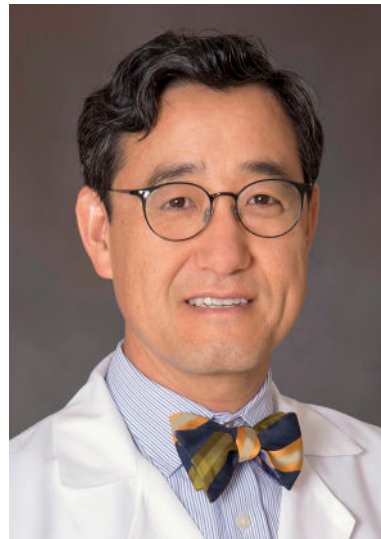
Fellowships:

- Boston Children's Hospital/Harvard, Pediatric Sports Medicine

- Boston Children's Hospital/Harvard, Pediatric Sports Medicine, Sports Medicine/MSK Ultrasound Fellow

Board Certifications:

- American Board of Pediatrics, Sports Medicine
- American Board of Pediatrics, Pediatrics
- Alliance for Physician Certification & Advancement, Musculoskeletal Ultrasound



PEDIATRIC ORTHOPEDIC SURGEON

Harry Kim, M.D., M.S.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Professor

Affiliation:

- Scottish Rite for Children

Education:

- McGill University, Montreal, Quebec, Canada,

Residency:

- University of Toronto, Orthopaedic Residency

Fellowship:

- Hospital for Sick Children in Toronto Pediatric Orthopaedic Fellowship

Board Certifications:

- American Board of Orthopaedic Surgery
- Royal College of Physicians and Surgeons of Canada, *fellow*



MEDICAL DIRECTOR OF CLINICAL SAFETY

Amy L. McIntosh, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- Central Michigan University, B.S. Sports Medicine
- College of Human Medicine, Michigan State University

Residency:

- Mayo School of Graduate Medical Education, College of Medicine

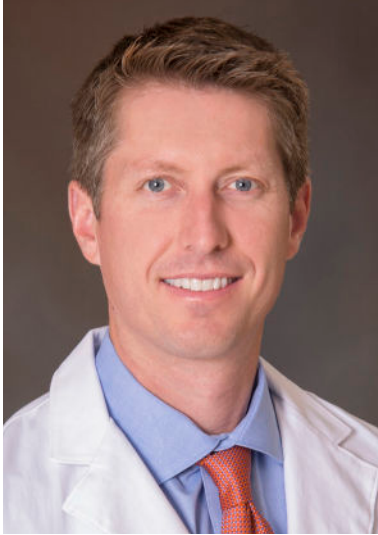
Fellowship:

- Scottish Rite for Children, Dorothy and Bryant Edwards Fellowship in Pediatric Orthopedics

Board Certification:

- American Board of Orthopaedic Surgery

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SPORTS MEDICINE PHYSICIAN

Shane M. Miller, M.D.

Academic Affiliations:

- UT Southwestern Medical Center Department of Orthopaedic Surgery, *Associate Professor*
- Department of Pediatrics, *Associate Professor*

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- The University of Texas, B.A. Biology
- Baylor College of Medicine

Internship:

- Baylor College of Medicine, Pediatrics

Residency:

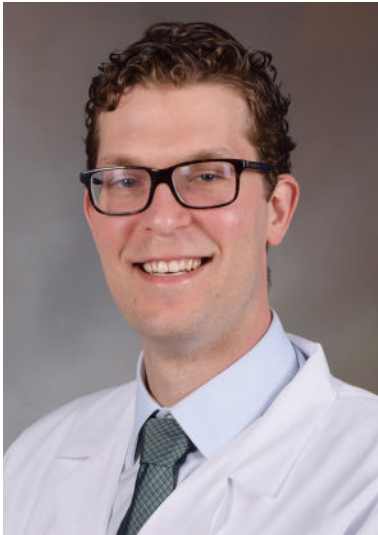
- Baylor College of Medicine, Pediatrics

Fellowship:

- University of Colorado Health Science Center, Denver, Colorado, Pediatric Sports Medicine

Board Certification:

- American Board of Pediatrics, Pediatrics, Sports Medicine



PEDIATRIC ORTHOPEDIC SURGEON

William Z. Morris, M.D.

Academic Affiliation:

- UT Southwestern Medical Center Department of Orthopaedic Surgery, *Assistant Professor*

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- University of Southern California, Biological Sciences and Spanish, *Cum Laude*
- UT Southwestern Medical Center, M.D.

Internship:

- Case Western Reserve University School of Medicine, Surgical Internship

Residency:

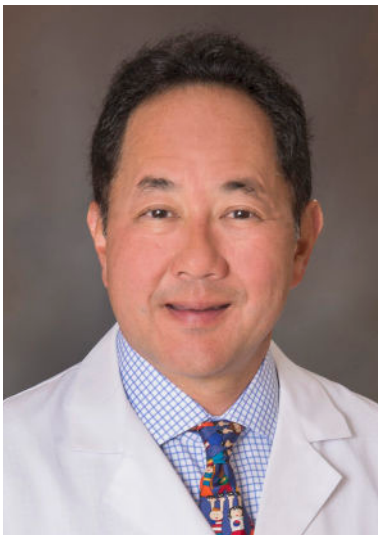
- Case Western Reserve University School of Medicine, Orthopedics

Fellowship:

- Scottish Rite for Children, Dorothy and Bryant Edwards Fellowship in Pediatric Orthopedics
- Boston Children's Hospital, Child and Young Adult Hip Preservation Fellowship

Board Certification:

- American Board of Orthopaedic Surgery



STAFF HAND SURGEON

Scott Oishi, M.D., FACS

Academic Affiliations:

- UT Southwestern Medical Center Department of Plastic Surgery, *Professor*
- Department of Orthopaedic Surgery, *Professor*
- Former Director Hand/Microsurgery Fellowship

Affiliation:

- Scottish Rite for Children

Education:

- Tufts University School of Medicine

Residencies:

- The University of Texas Health Science Center at San Antonio, General Surgery
- University of Kentucky Chandler Medical Center, Plastic Surgery

Fellowship:

- UT Southwestern Medical Center Hand Microvascular

Board Certifications:

- The American Board of Plastic Surgery, Diplomate
- Certificate of Added Qualifications in Surgery of the Hand



PHYSICAL MEDICINE AND REHABILITATION SPECIALIST

Jason R. Petrasic, M.D.

Academic Affiliation:

- UT Southwestern Medical Center Department of Orthopaedic Surgery, *Assistant Professor*

Affiliations:

- Scottish Rite for Children

Education:

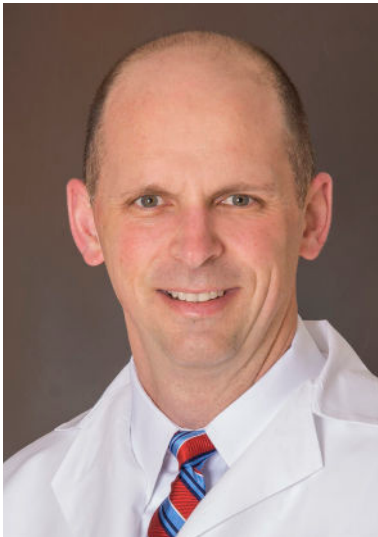
- Texas Christian University, B.A. Kinesiology
- UT Medical School at San Antonio

Residency:

- UT Southwestern Medical Center

Board Certification:

- American Board of Physical Medicine and Rehabilitation
- Advanced Cardiovascular Life Support



PEDIATRIC ORTHOPEDIC SURGEON

David A. Podeszwa, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas
- UT Southwestern University Hospital – St. Paul
- Parkland Health & Hospital System

Education:

- Wayne State University School of Medicine

Residency:

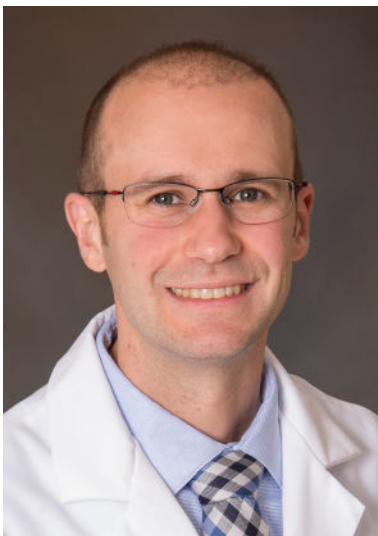
- Wayne State University School of Medicine
Orthopaedic Surgery

Fellowships:

- Scottish Rite for Children, Dorothy and Bryant Edwards Fellowship in Pediatric Orthopedics
- AO ASIF International Fellowship Inselspital, Bern, Switzerland, Professor Reinhold Ganz, Hip Preserving Surgery

Board Certification:

- American Board of Orthopaedic Surgery



CHIEF QUALITY OFFICER

Brandon A. Ramo, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Associate Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- Washington University in St. Louis School of Medicine

Residency:

- Vanderbilt University, Orthopaedic Surgery

Fellowship:

- Scottish Rite for Children, Dorothy and Bryant Edwards Fellowship in Pediatric Orthopedics

Board Certification:

- American Board of Orthopaedic Surgery

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PEDIATRIC ORTHOPEDIC SURGEON

Anthony I. Riccio, M.D.

Academic Affiliations:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Professor
- The Uniformed Services University of the Health
Sciences Department of Surgery, *Adjunct
Associate Professor*

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- Georgetown University School of Medicine

Residency:

- Georgetown University School of Medicine -
Orthopaedic Surgery

Fellowship:

- Scottish Rite for Children, Dorothy and Bryant
Edwards Fellowship in Pediatric Orthopedics

Board Certification:

- American Board of Orthopaedic Surgery



STAFF HAND SURGEON

Christopher Stutz, M.D.

Academic Affiliations:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Assistant Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas
- UT Southwestern Medical Center

Education:

- University of Texas Health Science Center at
Houston Medical Center

Residencies:

- Vanderbilt University Medical Center
Orthopaedics, Rehabilitation

Fellowship:

- Washington University
Hand and Microvascular Surgery

Board Certifications:

- American Board of Orthopaedic Surgery,
Diplomate
- Certificate of Added Qualifications in
Surgery of the Hand



PEDIATRIC ORTHOPEDIC SURGEON

R. Lane Wimberly, M.D.

Academic Affiliation:

- UT Southwestern Medical Center
Department of Orthopaedic Surgery,
Associate Professor

Affiliations:

- Scottish Rite for Children
- Children's Health Dallas

Education:

- Baylor College of Medicine

Residency:

- Georgetown University Hospital
Orthopaedic Surgery

Fellowship:

- Scottish Rite for Children, Dorothy and Bryant
Edwards Fellowship in Pediatric Orthopedics

Board Certification:

- American Board of Orthopaedic Surgery

HOSPITAL DEPARTMENTS

Anesthesiology

The department of Anesthesiology consists of nine full-time, fellowship-trained pediatric anesthesiologists who provide anesthesia coverage in the operating rooms. In addition, the Anesthesiology department manages an active acute pain management service with the help of a pain management nurse practitioner. Cynthia Woerz, M.D., is medical director.

Pediatric Developmental Disabilities

The Pediatric Developmental Disabilities division is committed to the attainment of optimal biological, psychological and social wellness for orthopedic patients with special health care needs. Led by medical director Richard Adams, M.D., a member of UT Southwestern Medical Center's department of Pediatrics, the division provides outpatient and inpatient management primarily for patients in the spina bifida program and for children with cerebral palsy and other neurodevelopmental conditions. It has an active research component with a senior research scientist and a research nurse.

Luke Waites Center for Dyslexia and Learning Disorders

The Luke Waites Center for Dyslexia and Learning Disorders provides one of the most comprehensive programs for childhood learning disorders in the nation. Founded by Lucius Waites, M.D. in 1965, the center is dedicated to serving children through innovative evaluation, treatment and education, as well as extensive outreach, educator and physician training programs and research. The center is led by medical director Sheryl Frierson, M.D.

Metabolic Clinic

The Metabolic Clinic treats more than 150 patients with rickets, osteogenesis imperfecta and osteoporosis each year. Mouin Seikaly, M.D., a nephrologist, consulting staff member at Scottish Rite and professor at UT Southwestern Medical Center, serves as the medical director of the clinic. Seikaly oversees renal and bone mineral density evaluations in patients to monitor the toxicity of the medications used to treat rickets and their effect on patients' kidneys.

Neurology

The Neurology department provides care for orthopedic patients with related neurological and neuromuscular disorders. These include developmental delay, cerebral palsy, brain malformations, epilepsy and other conditions due to brain abnormalities, childhood motor disorders, tuberous sclerosis complex (TSC), holoprosencephaly (HPE) and peripheral nerve disorders. Led by Steven Sparagana, M.D., medical director of Neurology and Rehabilitation Medicine, the department is active in research and has an international reputation as one of the leaders in the areas of cerebral palsy, HPE and TSC.

Orthotics and Prosthetics

The Orthotics & Prosthetics (O&P) department at Scottish Rite for Children provides state-of-the-art, custom-made orthoses and prostheses for patients with special orthopedic needs. Our orthotists and prosthetists provide comprehensive care through consultations, measuring, casting and molding, fitting, alignment, fabrication and follow-up visits at our Dallas and Frisco campuses. Since the O&P team is on-site, they have the ability to collaborate with doctors, therapists and other medical staff during the child's visit.

HOSPITAL DEPARTMENTS

Psychology

Scottish Rite understands that the conditions facing our patients can be stressful. The Psychology department helps patients and their families deal with the stress constructively, offering individual and family counseling. The purpose of the Psychology department is to provide quality clinical care and promote healthy child development, despite the stress and demands associated with a health-related condition. Licensed psychologists and psychology trainees with expertise in pediatric psychology and behavioral health coordinate and participate in interdisciplinary health care, related teams, committees and research. Direct clinical inpatient and outpatient services are provided to Scottish Rite patients, along with their families and caregivers.

Radiology

The Radiology department images children with a wide range of orthopedic conditions. It is staffed with experts in pediatric musculoskeletal imaging. Groundbreaking, state-of-the-art 2D and 3D imaging equipment known as EOS allows us to capture more accurate images in a shorter amount of time while exposing patients to significantly less radiation. The technical staff includes multimodality radiographers, sonographers, CT and MRI technologists and two radiology sedation nurses who manage the three-room sedation suite. Radiology performs about 30,000 examinations each year and operates in a filmless environment using Carestream CR and DR and a Fuji Synapse PACS. Monitors allow image viewing throughout the facility, including the operating suites.

Rheumatology

The Rheumatology department provides treatment for more than 1,500 patients with juvenile arthritis, systemic lupus, juvenile dermatomyositis, scleroderma, mixed connective tissues diseases, periodic fever syndromes, sarcoidosis and fibromyalgia. Led by medical director Tracey B. Wright, M.D., the Rheumatology department conducts clinics, clinical research and clinical drug studies. Orthopedic fellows are welcome to rotate through Rheumatology.

Therapy Services




Physical therapists help patients develop or maintain maximum movement, function and participation. Our physical therapists treat pediatric and adolescent orthopedic and sports-related conditions.

Our Occupational Therapy department teaches our patients to use specialized equipment and use their bodies in new ways that will help them with activities such as eating and dressing on their own. Children learn skills that will help them gain independence and prepare for living independently as an adult. Occupational therapists also assess patients' development, evaluate motor skills, personal and social interaction, language abilities and make recommendations for wheelchairs.

Our Therapeutic Recreation department helps children who have a chronic medical condition or disability develop the skills and knowledge needed to be involved in recreation and leisure activities.

Child Life specialists focus on the social, emotional, developmental and educational needs of children and teenagers in the inpatient, surgery and outpatient settings.

2020 PATIENT AND HOSPITAL ACTIVITIES*

	PATIENTS TREATED	OUTPATIENT CLINIC VISITS
 GENERAL ORTHOPEDICS	6,844	9,554
 FRACTURE CARE	4,817	9,166
 DYSLEXIA	857	1,620

SURGERY

2,703 PATIENT SURGERIES

6,149 SURGERY HOURS

1,057 GUESTS TOURED

13,809 NEW PATIENT REFERRALS RECEIVED

42,821 RADIOLOGY EXAMINATIONS

61,357 VOLUNTEER HOURS

6,031 PROSTHETIC DEVICES AND ORTHOSES MADE AND FITTED

4,136 RHEUMATOLOGY OUTPATIENT CLINIC VISITS

476 PSYCHOLOGY PATIENTS SERVED

56,030 PHYSICAL AND OCCUPATIONAL THERAPY OUTPATIENT VISITS

3,002 NEUROLOGY OUTPATIENT CLINIC VISITS

2,549 PEDIATRIC DEVELOPMENTAL DISABILITIES OUTPATIENT CLINIC VISITS

21,176 CALLS AND VISITS PROVIDED BY THE FAMILY SERVICES DEPARTMENT

1,179 CALLS AND VISITS PROVIDED BY THE CHRISTI CARTER URSCHEL FAMILY RESOURCE CENTER

*FIGURES REFLECT TOTALS FOR THE HOSPITAL'S FISCAL YEAR, OCTOBER 2019 THROUGH SEPTEMBER 2020, FOR ALL DALLAS AND FRISCO CAMPUSES.

MEDICAL RESEARCH AND EDUCATION

281

ACTIVE
RESEARCH
PROJECTS

126

MEDICAL
ABSTRACTS
PRESENTED


93

MEDICAL
ARTICLES
PUBLISHED

50+

PATENTS
HELD

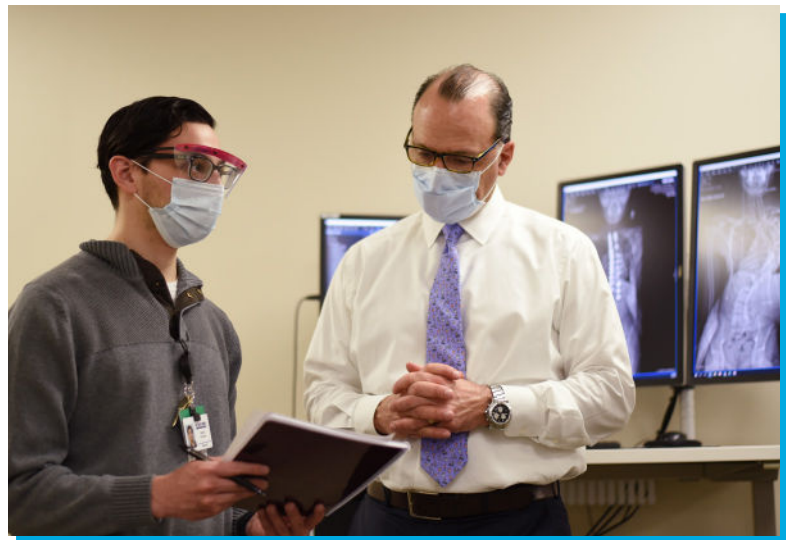
CENTERS FOR EXCELLENCE STATS

	PATIENTS TREATED	OUTPATIENT CLINIC VISITS
	SCOLIOSIS AND SPINE 6,435	8,593
	SPORTS MEDICINE 4,472	9,190
	HAND DIFFERENCES 1,881	3,369
	HIP DISORDERS 1,191	1,766
	FOOT DISORDERS 1,064	2,527
	LIMB LENGTHENING 163	294

Sarah M. and Charles E. Seay/Martha and Pat Beard

CENTER FOR EXCELLENCE IN SPINE

Known for our world-renowned patient care, Scottish Rite for Children has been specializing in the treatment of spinal conditions since the 1970s. The Sarah M. and Charles E. Seay/Martha and Pat Beard Center for Excellence in Spine Research provides a forum for experts from many disciplines to collaborate on specific challenges in the treatment of spinal deformities. Directed by Chief of Staff Daniel J. Sucato, M.D., M.S., the center focuses on developing innovative techniques for treating the most common and straightforward 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. This research then helps prevent these factors from occurring and, finally, enhances surgical treatments while avoiding complications. The research allows our integrated team to develop new and innovative procedures and implant systems for treating scoliosis and other spinal conditions. Ultimately, the goal is to answer the seemingly unanswerable questions we have regarding spinal deformity.



Researcher David Thornberg with Daniel J. Sucato, M.D., M.S.

“One of our goals is to bring talented researchers with diverse backgrounds and skills to work together. This is a group that will set the bar high to solve the big problems and answer the unanswerable questions that we have today about spine deformity.”

- Daniel J. Sucato, M.D., M.S.

Early-Onset Scoliosis

Early-onset scoliosis (EOS) can be defined as scoliosis in patients who are under 10 years of age. Since these patients are very young, it is an extremely challenging clinical problem as scoliosis progression is highly dependent on the growth of the spine. The goal of this study is to determine clinical and radiographic outcomes in a series of patients with early-onset scoliosis treated by multiple methods – operative and nonoperative.

In addition to the typical treatments of bracing and fusion surgeries performed in other types of scoliosis, these young patients have other options that are necessary to try to maintain continued growth of the spine including traditional growing rod techniques, the MAGEC™ (MAGnetic Expansion Control) system and casting. We have several hundred patients enrolled in this study.

Our early-onset scoliosis patients are also enrolled in collaborative research efforts with other leading institutions through the Growing Spine Study Group. Although this is a rare condition, Scottish Rite has a high volume of patients who are diagnosed with EOS. Collaboration with multiple centers is critical and allows our team to study this complex and challenging disease much more thoroughly.



Patient Caden, of Rockwall

The center is made up of:

Division of TSRH® Spinal Implant Development

Directed by researcher Hong Zhang, M.D.*, a multidisciplinary team of surgeons and researchers concentrates on understanding spinal deformity and develops methods to improve the surgical treatment of this condition using various new surgical technologies.

**Medical degree from Tianjin Medical University, China*

Division of Creative Innovations and Novel Strategies for Treatment

Directed by Daniel J. Sucato, M.D., M.S., the Division of Creative Innovations and Novel Strategies for Treatment concentrates on developing a better understanding of spinal deformity to promote the investigation of innovative treatment methods.

Division of Clinical Scoliosis Research

Directed by Brandon A. Ramo, M.D., the Division of Clinical Scoliosis Research oversees all retrospective and prospective clinical studies and promotes continued collaboration between Scottish Rite's orthopedic staff, genetics department, fellows, residents, nurses and research coordinators to address important issues for the organization's spine patients.

CENTER FOR EXCELLENCE IN LIMB LENGTHENING

Scottish Rite for Children began its limb lengthening research program in 1992. The Center for Excellence in Limb Lengthening employs a unique multidisciplinary team approach, including collaboration between the organization's orthopedic surgeons alongside nurses, psychologists, physical and occupational therapists, and researchers of varying backgrounds and expertise. Initial research was based on the Ilizarov treatment method developed by Gavril Ilizarov, M.D., in Russia. The center's original director, John G. Birch, M.D., was one of the first North Americans to visit Ilizarov and bring his techniques to the United States. We are lucky to have three physicians who trained directly under Ilizarov on our research team at Scottish Rite.

Co-directed by David Podeszwa, M.D., and researcher Mikhail Samchukov, M.D.*, the center continues to focus on improving the lives of patients with various limb deformities and leg length discrepancies. Driven to make the entire lengthening process easier for the patient, Scottish Rite researchers have modified Ilizarov's technique to develop the TRUE/LOK™ External Fixation System, which includes the TRUE/LOK™ HEX and TRUE/LOK™ Trauma systems. Areas of research for the Center for Excellence in Limb Lengthening include refinement of current fixation systems, improvement of limb lengthening techniques and better management of limb deformities.

Controversies in Pediatric Limb Reconstruction

Controversies in Pediatric Limb Reconstruction (CPLR) is an interactive symposium focusing on Blount's disease, congenital pseudoarthrosis of the tibia, congenital femoral and tibial deficiencies, Perthes disease and bone biology. The two-day conference will be organized by leaders in the field discussing the latest techniques and controversies.

CPLR

Controversies in Pediatric Limb Reconstruction



Patient Artamus, of Tyler

The center is made up of:

Division of Tissue Adaptation and Neogenesis

Led by researcher Marina Makarov, M.D.*, the Division of Tissue Adaptation and Neogenesis focuses on the areas of new bone formation under the influence of tensional stresses and soft tissue adaptation to gradual traction during distraction osteogenesis. This division manages all experimental and clinical studies and allows Scottish Rite's researchers and physicians to analyze and better understand the fundamental biological mechanisms of bone growth and its modulation.

**Medical degree from Omsk Medical School, Russia*

Division of Skeletal Fixation Systems Design

Directed by researcher Mikhail Samchukov, M.D.*, the Division of Skeletal Fixation Systems Design coordinates the new design, development, testing and implementation of the TRUE/LOK™ family of External Fixation Systems. One of the current goals of the division is to develop and improve new modular external fixation systems for acute fracture reduction, gradual deformity correction and lengthening.

**Medical degree from Khabarovsk State Medical School, Russia*

Division of Clinical Implementation and Outcomes Studies

Led by researcher Alexander Cherkashin, M.D.*, the Division of Clinical Implementation and Outcome Studies coordinates all outcome studies involving computer-assisted collection, storage and analysis of clinical data. The division continues to advance the preoperative planning program, LegPERFECT®, which provides comprehensive planning and precise monitoring of surgical procedures. Under the supervision of this division, new software was developed for the TRUE/LOK™ HEX multiaxial deformity correction analysis and planning. These advancements have created a foundation for multicenter clinical studies that seek to improve the effectiveness of pediatric limb reconstruction around the world.

**Medical degree from Novosibirsk State Medical School, Russia*



Alexander Cherkashin, M.D., in the lab*

CENTER FOR EXCELLENCE IN FOOT

Scottish Rite for Children treats more than 100 new patients with clubfoot disorders each year and has more than 1,000 clubfoot-related clinic visits annually. In addition, the organization treats an increasing number of complex adolescent foot disorders. Collectively, these conditions are combined to form the Center for Excellence in Foot.

Clubfoot Disorders

Under the direction of Anthony I. Riccio, M.D., the center facilitates extensive research into clubfoot – its cause, the effectiveness of operative and nonoperative treatments, and the study of gait patterns in clubfoot patients. The two nonoperative treatment methods, the Ponseti casting method and French physiotherapy (daily stretching, exercise and massage, and taping to slowly move the foot to the correct position) have been shown to be effective and are most successful if the treatment begins early in the newborn period. In the event that complete correction of the foot cannot be achieved or maintained by these methods, surgery remains an effective option.

Physicians at Scottish Rite have been studying the effectiveness of each nonoperative method and comparing the results with patients who have undergone surgery. Results of these studies have been published in the *Journal of Pediatric Orthopaedics* and *The Journal of Bone and Joint Surgery* and presented at national and international conferences.

Collaboration with our bioengineers, the Movement Science Lab, Molecular Genetics, orthotists and physical therapists leads to the optimal research environment. Geneticists at Scottish Rite, Washington University and the University of Houston are using DNA material collected from patients and investigating genes associated with clubfeet. The Movement Science Labs at Scottish Rite have done extensive research on clubfeet, providing an objective measurement of patients' strength, joint range of motion and gait patterns following treatment. The Orthotics department works consistently with researchers to develop improvements to the brace used in the Ponseti method in order to enhance compliance among patients and ultimately improve long-term outcomes. The Physical Therapy department is performing functional testing on study participants to evaluate the effects of treatment.



Patient Aylin, of Dallas

Adolescent Foot Disorders

Research in complex adolescent foot disorders is increasing under the direction of Anthony Riccio, M.D. In conjunction with an adult foot and ankle specialist, our orthotists and the Scottish Rite Movement Science Laboratory, efforts are underway to determine how the management of difficult foot disorders in adolescents and young adults can be optimized. Residual, painful foot deformities following surgery years earlier, rigid flat feet, stiff cavovarus feet and the adult sequelae of congenital foot deformities are among the conditions being investigated.



Patient Caleb, of Gainesville with Anthony Riccio, M.D.

Current Studies Include:

Prospective Clubfoot Registry

The purpose of these studies is to determine the success of nonoperative treatment of clubfoot disorders at 2 years and 5 years, determine how often surgical treatment is needed, determine the frequency of clubfoot that is nonidiopathic, measure compliance of maintenance bracewear for corrected clubfoot disorders and determine the usefulness of radiographs in clubfoot treatment.

Genetic Study of Clubfoot Disorders

Multicenter collaboration is underway to study the human genome in an effort to identify genes associated with clubfoot disorders along with variation in genes that may be involved in this deformity's etiology.

Gait Analysis of Clubfoot Disorders

These studies examine the function and position of corrected feet at age 2 years and 5 years following nonoperative treatment. In those who need limited surgery, tendon transfers can result in better foot positioning.

Prospective Complex Foot Deformity Database

This prospective registry has been established to collect objective and patient-reported outcome data in adolescents and young adults being managed for a variety of complex foot and ankle deformities. This data should help shed light on how to better manage the sequelae of congenital and acquired pediatric foot problems in those nearing adulthood.

CENTER FOR EXCELLENCE IN HIP

Scottish Rite for Children has a long tradition of providing the highest-quality medical care to thousands of children, from newborns to adolescents, with various hip conditions. Some of the conditions that our physicians treat include hip dysplasia, Perthes disease, femoroacetabular impingement and slipped capital femoral epiphysis. Under the direction of Harry Kim, M.D., M.S., the researchers in our Center for Excellence in Hip are dedicated to addressing clinically important questions and have published in many top-tier orthopedic journals.

Hip Disorder Treatment and Research

Many of Scottish Rite's studies and treatments have led to revolutionary, life-changing results. One such study of Legg-Calvé-Perthes, a condition in which a child's hip joint is abnormal, and the blood supply to the head of the thighbone is temporarily stopped, began in the 1980s under the leadership of Scottish Rite Chief of Staff Emeritus Tony Herring, M.D.

The results were published in *The Journal of Bone and Joint Surgery* and form the basis of treatment at Scottish Rite, most centers in North America and the world.

The research being done at the Center for Excellence in Hip by physicians like William Z. Morris, M.D., will ensure that children always receive the best possible care. The center also continues to evaluate methods of diagnosis and treatment, including the use of MRI techniques in determining the progression and outcome of Legg-Perthes. In 2009, under the direction of Kim, Scottish Rite embarked upon a study into the progression of Legg-Perthes and other hip conditions. The study will provide important insight into the molecular mechanisms involved in the repair process following bone injury and will lead to the development of new treatment methods.

Several other hip disorders are frequently treated by Scottish Rite orthopedists, including developmental dysplasia of the hip and slipped capital femoral epiphysis. Five research studies in these areas are active. The center's work will allow the organization to train hundreds of physicians in the best techniques and up-to-date methods, as well as offer innovative treatments and continually improve care for patients treated at Scottish Rite and throughout the world.



Patient Nathaniel, of Dallas

Current Studies Include:

Prospective Infantile DDH Registry

The purpose of this study is to evaluate newborns and infants less than one year of age who are referred for questionable hip abnormalities relative to hip dysplasia or hip dislocation to determine optimal methods for evaluation and treatment.

Prospective Traction Study for Developmental Dysplasia of the Hip

The goal of this study is to evaluate the effectiveness of preliminary traction in achieving a successful closed reduction in the treatment of developmental dysplasia of the hip (DDH) with a fixed dislocation and its effect on avascular necrosis. This study aims to determine the effectiveness of traction on obtaining a successful closed reduction, evaluate its impact on the rate of avascular necrosis (AVN) and determine the compliance of home traction and its effect on the outcome.

Prospective Evaluation of Hip Preservation

The purpose of this study is to better understand the radiographic, clinical and functional outcomes of adolescents and young adults treated with hip preservation surgery. Our investigators are also collaborators on the ANCHOR Multicenter Study (Academic Network for Conservational Hip Outcomes Research). This study aims to evaluate the pre- and postoperative function and outcome of pediatric and adolescent patients with hip pathology who will be undergoing surgical intervention. It also evaluates the functional and radiographic outcomes of pediatric and adolescent patients who have previously received surgical treatment for hip pathology.



Harry Kim, M.D., M.S., FRSCS, with patient Keegan, of Wolfforth

CENTER FOR EXCELLENCE IN SPORTS MEDICINE

The multi-disciplinary sports medicine team is dedicated to caring for young and growing athletes. Under leadership including assistant chief of staff Philip L. Wilson, M.D., the Scottish Rite for Children Orthopedic and Sports Medicine Center was purpose-built to support each step of recovery from injury evaluation to return to play. Common conditions treated at this center are osteochondritis dissecans of the knee, elbow and ankle, joint injuries in throwing athletes, shoulder instability and dislocations, and sport-related concussions. Clinic personnel includes primary care physicians, advanced practice providers, nurse coordinators, athletic trainers, orthopedic technicians, and medical assistants. Consulting on-site resources include a pediatric orthotist and lab, our movement science staff and their expansive lab, pediatric radiologists with advanced imaging, child life services, a certified sport dietitian and pediatric psychologists. Community outreach includes partnerships and event coverage for local schools and youth sports organizations.



Philip Wilson, M.D., with patient Anlyn, of Cypress

Clinical Research

Ongoing studies and quality assurance projects improve the quality of care and establish best practices - they are also beginning to uncover ways to prevent injuries. These efforts, led by associate director of clinical research Henry B. Ellis, M.D., include numerous original projects and a growing number of multi-center projects with top-tier national programs. Leaders hold formal and informal roles in the Pediatric Research in Sports Medicine Society (PRISM) and its numerous research interest groups. The team includes movement science specialists, physical therapists, a psychologist, a certified sport dietitian and dedicated research coordinators.

Highlights of Our Current Research Activity:

Sport-Related Concussion

- We are a leading pediatric sports contributor in the regional multi-center North Texas Concussion Registry (ConTex).
- A prospective, multi-center study with the Sport Concussion Outcomes in Pediatrics (SCOPE) study group that evaluates factors related to clinical assessment and recovery.
- A prospective study evaluating changes in balance and movement post-injury.

Upper Extremity

- A prospective, multi-center study group, Factors Associated with Clavicle Treatment Study (FACTS), focused on mid-shaft fractures, continues to improve the understanding of healing, costs and treatment.
- Retrospective reviews and prospective projects are in development for the understudied area of cartilage conditions in the elbow.
- A retrospective review of pediatric shoulder instability.

Hip

- A prospective, multi-center study, Academic Network for Conservational Hip Outcomes Research (ANCHOR), investigates hip disorders including femoroacetabular impingement (FAI) surgical outcomes.
- A prospective multi-disciplinary study to evaluate the nonoperative treatment and outcomes in FAI and hip dysplasia.
- A prospective, multi-center study investigating clinical outcomes after pelvic apophyseal avulsion fractures.

Knee

- Ongoing, retrospective reviews and prospective planning for this primary patient population in pediatric sports medicine.
- We are the highest volume contributor to national pediatric studies, including a project with the Research in Osteochondritis Dissecans of the Knee (ROCK) study group.
- Multiple projects evaluating care and multi-disciplinary return to play decision-making after an ACL injury with and without surgical reconstruction.
- A prospective, multi-center study, the Justifying Patellar Instability Treatment by Early Results (JUPITER) study group evaluates early and long-term outcomes of operative and nonoperative treatment.



Patient Samantha and Kennedy, of Frisco

Patient Safety

- Prospective studies using musculoskeletal ultrasound to evaluate lateral ankle injuries and other physeal conditions.
- A prospective study evaluating standardized pain management plans during and after procedures with the goal of reducing the quantity of opioids prescribed.

CENTER FOR EXCELLENCE IN HAND

Scottish Rite for Children was one of the first pediatric orthopedic hospitals in the United States to employ full-time hand surgeons. Scottish Rite has treated thousands of patients with hand and upper limb disorders and is a leader in training hand surgeons from around the world. Directed by Scott Oishi, M.D., FACS, the Charles E. Seay Hand Center provides specialized care for children born with both congenital and acquired upper limb anomalies through quality patient care, education and research.



Scott Oishi, M.D., FACS with patient Nicolas, of Richardson

Along with Chris Stutz, M.D., the hand center is dedicated to the well-being of the child, both physically and emotionally. In addition, there are organized support groups that are available to provide support to families with issues that can commonly arise as

the child goes through their development. The physicians at the center deliver care in a compassionate, reassuring environment while considering the needs of the child and family as a whole. Our goal is to help children with congenital hand anomalies become active, happy, productive and independent adults, and to restore function to patients with acquired deformities of the upper extremity.



Patient Jasmine, of Pearland

“We try to help the child become independent, with the self-esteem to face whatever challenges life will throw at him or her.”

— *Scott Oishi, M.D., FACS*

CEREBRAL PALSY CLINIC

The Cerebral Palsy Clinic is a multidisciplinary center for the management of cerebral palsy in children and adolescents. Led by Michelle R. Christie, M.D., of the neurology department, Lane Wimberly, M.D., of the orthopedic surgery department and Richard Adams, M.D., of the developmental pediatrics team. Using evidence-based medicine and modern surgical care, the cerebral palsy program at Scottish Rite seeks to be the preeminent site for patients within Texas and the surrounding states. With a large population of cerebral palsy patients and a robust research department, the providers at Scottish Rite are leaders at the local, national, and international levels.

Weekly combined clinics allow for the comprehensive assessment of ambulatory and non-ambulatory children by orthopedics, neurology, developmental pediatrics, physical and occupational therapy, orthotics, psychology and child life professionals. Bi-monthly conferences bring all providers together to discuss challenging cases and research projects. The movement science laboratory provides invaluable objective information for both preoperative and postoperative patients. Nonoperative therapies, including tone management with neuromuscular blockades agents, selective dorsal rhizotomies and baclofen pumps, are available to patients. Orthopedic surgery of the upper and lower extremities and the spine is routinely performed at Scottish Rite. Perioperative care of medical comorbidities is managed by the faculty in developmental pediatrics.

FRACTURE CLINIC

At Scottish Rite for Children, experts treat children with conditions from the common to the complex. Through their world-renowned patient care and ongoing dedication to research, the organization is able to treat each child with an individualized care plan to get them back to being active. Scottish Rite's Fracture Clinic, located in the Frisco campus, specializes in evaluating growing bones and how to respond to injuries. Through the expertise of their multidisciplinary

team and their research in fractures, the organization can determine the best treatment approach for each patient.

Many patients that come to Scottish Rite's clinic live very active lifestyles and compete in sports. The priority of the experts at the Fracture Clinic is to determine a plan that will allow each child to return to their activities safely and stronger than before. Depending on the fracture, the organization's research allows the team to look at both surgical and nonsurgical options. By following young patients through their care and recovery, Scottish Rite can help define the evidence-based recommendations for optimal care depending on the remaining years of growing and other factors.



Patient Giovanni, of Garland and Gerad Montgomery, M.S.N., FNP-C

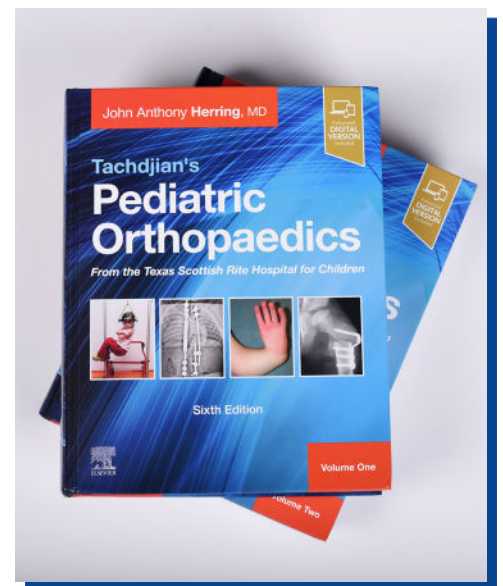
TACHDJIAN'S PEDIATRIC ORTHOPAEDICS



Tachdjian's Pediatric Orthopaedics is the definitive text for pediatric orthopedic surgeons worldwide. Since the mid-1990s, physicians at Scottish Rite for Children have taken on the monumental task of writing new editions of the renowned reference book. "The wealth of knowledge and experience of the doctors at Scottish Rite was unsurpassed, making them the obvious choice," said Richard Lampert, an editor at the publishing company Harcourt Health Sciences.

Led by Chief of Staff Emeritus J.A. "Tony" Herring, M.D. physicians from the organization have now completed the sixth edition, which includes 24 instructional videos featuring surgical instruction for a variety of cases. Regarded as the international standard and an essential tool for pediatric orthopedists, the three-volume set – two paper volumes and a third available with the others online – establishes the benchmark for the diagnosis and treatment, including surgery, of orthopedic conditions in children.

Tachdjian's Pediatric Orthopaedics: From the Texas Scottish Rite Hospital for Children incorporates the latest understandings and techniques in the field. It includes expanded information about trauma, with new clinical materials drawn from the contributors' extensive database. Chapters explore gait analysis, imaging studies and general principles of orthopedic injuries.



Tachdjian's Pediatric Orthopaedics: from the Texas Scottish Rite Hospital for Children, Sixth Edition

Left to right: Tachdjian's co-authors Drs. Harry Kim, Anthony Riccio, John Birch, Lane Wimberly, Alexander Cherkashin, Lori Karol, Mikhail Samchukov, Tony Herring, David Podeszwa, Daniel Sucato, Lawson Copley, Steve Richards, Karl Rathjen, Christine Ho, Philip Wilson, Brandon Ramo, Charles Johnston and Henry Ellis

Sarah M. and Charles E. Seay

CENTER FOR MUSCULOSKELETAL RESEARCH



The Sarah M. and Charles E. Seay Center for Musculoskeletal Research is an integral component of the orthopedic program at Scottish Rite for Children. It is made up of several core divisions focused on basic science research and six centers for excellence specializing in research and patient care.

The Research department boasts a unique environment that encourages and supports collaboration between researchers and physicians, allowing the organization to make innovative discoveries that have a significant impact on the lives of children.

Each fellow is required to complete a minimum of one research project during the year, but the opportunity to work on multiple projects is also available. Fellows have access to all research facilities at Scottish Rite.

A major strength of the organization's research program is that ideas can be reviewed and approved quickly, allowing researchers to start working on a project almost immediately. The Research Advisory Panel reviews proposals every month.

Research projects that include human participants are reviewed by the Institutional Review Board at UT Southwestern Medical Center, with research coordinators at Scottish Rite helping fellows complete the required paperwork.

The center also provides a biostatistician to help fellows with project planning and statistical analysis of data so that each project has a defensible result. It includes three bioengineers who can assist fellows with the design, modification and mechanical testing of devices. Laboratory facilities are also available for the fellows' use at UT Southwestern Medical Center.

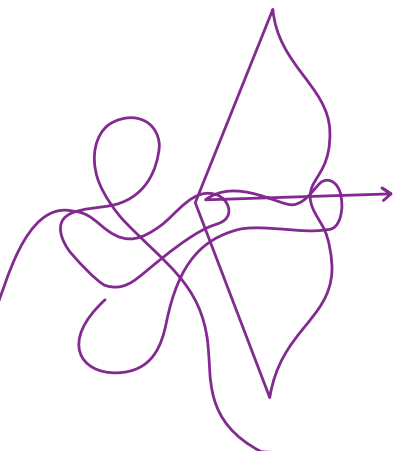
MOLECULAR GENETICS RESEARCH



The Scottish Rite for Children Division of Molecular Genetics, led by director Carol Wise, Ph.D., is discovering the genetic mechanisms that cause childhood musculoskeletal diseases.

Genetics of Idiopathic Scoliosis

By studying large patient populations, Wise's team and Chief of Staff Emeritus Tony Herring, M.D., together with other collaborators, have identified genetic factors that increase the risk of developing adolescent idiopathic scoliosis (AIS), the most common spinal deformity in children. With no known cause or cure, the condition poses a significant health burden as it affects approximately 2 to 3 percent of school-age children in the U.S. and costs several billion dollars in surgical treatment each year. AIS mostly affects girls for reasons that are not currently known. Wise currently leads an NIH-funded research program to define the molecular mechanisms that cause AIS. These discoveries have been funded by the Eunice Kennedy Shriver National Institute of Child Health and Human Development, the Scoliosis Research Society and other agencies. Wise also organized and co-chaired the International Consortium for Spinal Genetics, Development, and Disease, a group committed to collaborative studies of the genetics of scoliosis.



Genetics of Clubfoot

Clubfoot is a common foot deformity in children, and Scottish Rite has conducted large-scale population association studies to identify genetic risk factors associated with clubfoot. Current research focuses on developing disease models. This study includes collaborators at Washington University in St. Louis, the UT Health Science Center at Houston and the University of Otago in New Zealand.

Genomics of Orthopedic Disease: The G.O.O.D. for Kids Program

The G.O.O.D. for Kids program seeks to discover genetic causes of pediatric musculoskeletal disorders through close collaboration between the Division of Molecular Genetics, Scottish Rite clinical staff and collaborating physicians. G.O.O.D. for Kids uses state-of-the-art whole genome sequencing and other genomic approaches, and CRISPR-based modeling to defining the molecular basis of disease.

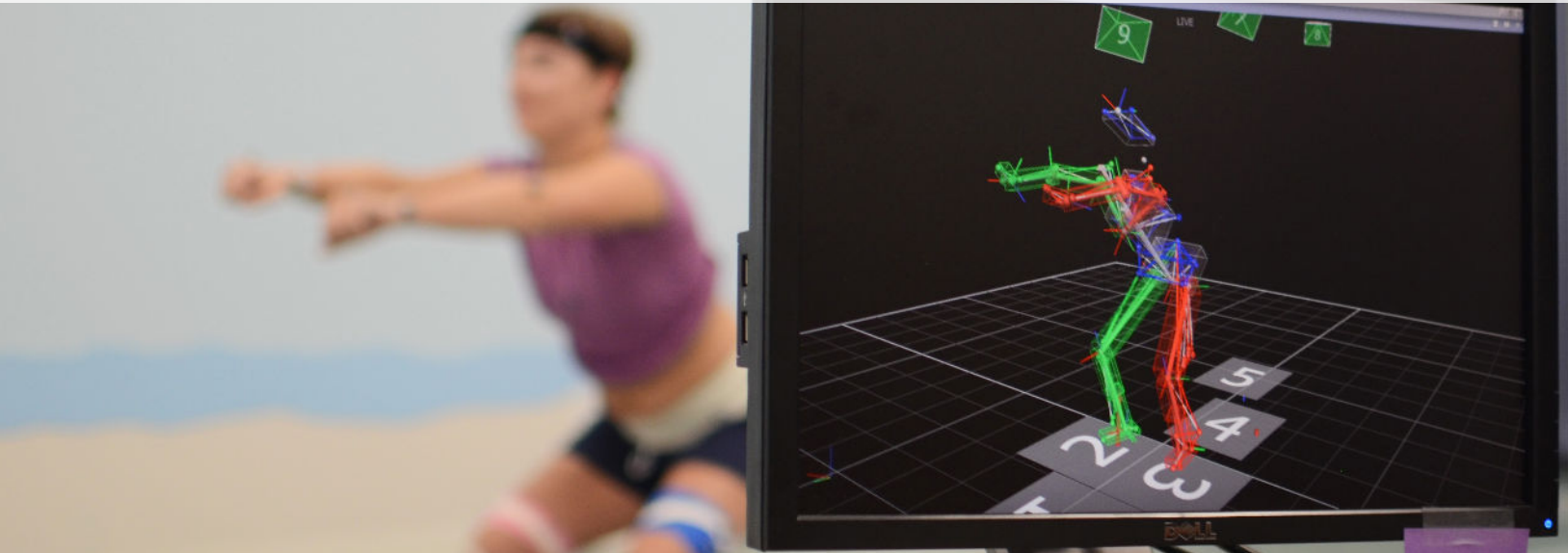
Disorders of Long Bone Growth and Development

Jonathan J. Rios, Ph.D., and the Molecular Genetics team defined the genetic basis of neurofibromatosis 1 (NF1) related congenital pseudoarthrosis of the tibia (CPT). With funding from the NIH and NF Foundation, the team is working to define the genetic and molecular mechanisms of bone growth and fracture healing, as well as to identify interventions used to improve bone quality and healing after fracture.



T. Boone Pickens presented awards to fellows recognizing their outstanding research. Left to right: Daniel J. Sucato, M.D., chief of staff; 2017 fellows Jeff Peck, M.D., Surya Mundluru, M.D., and Ian Corcoran-Schwartz, M.D.; T. Boone Pickens; 2017 fellows Lorena Floccari, M.D., and Dustin Green, M.D.; and J. A. "Tony" Herring, M.D., chief of staff emeritus.

MOVEMENT SCIENCE LABORATORIES



The David and Ruth Tacke Movement Science Laboratory, a division of the Research department, focuses on functional evaluation of patients with pathologies of the musculoskeletal system. It is a state-of-the-art resource used for both clinical work and research.

Evaluations are conducted using equipment that can measure joint motion, net joint forces, muscle activity, strength, foot plantar pressures and oxygen consumption. The lab's clinical service provides clinicians with critical and objective analysis of a patient's gait or movement pathology. The lab is used in research to study the outcome of different surgical procedures, to compare different patient populations and to evaluate the effects of treatment intervention, such as prosthetic and orthotic prescriptions.

The lab's staff is made up of a multidisciplinary team of engineers and biomechanists led by Medical Director Lane Wimberly, M.D., and Director Kirsten Tulchin-Francis, Ph.D. Fellows have the opportunity to participate in case reviews with Wimberly.



Movement Science Lab director Kirsten Tulchin-Francis, Ph.D., was recently honored with a statue in the #IfThenSheCan exhibition focused on contemporary female STEM professionals and role models to inspire the next generation.

There are ample research opportunities in the lab. Current projects include:

- Outcome studies of surgical procedures in children with cerebral palsy.
- Evaluation of the pathological hip.
- Development of improved techniques for modeling the musculoskeletal system.
- Outcomes of nonsurgical and surgical treatment of clubfoot deformity.
- Gait analysis, strength and energy efficiency in children with limb deficiencies.

RESOURCES AVAILABLE TO FELLOWS

The Brandon Carrell, M.D., Medical Library, an in-depth print collection of specialized books and journals as well as databases and online journals accessible through the organization's intranet.

Advanced Practice Providers, who provide valuable support and expertise within clinical and research settings. APPs examine patients, order and interpret diagnostic and laboratory tests, diagnose and treat patients both independently and in collaboration with physicians and provide families with education regarding treatment plans and diagnosis.

Hospitalist on staff that provides valuable expertise within the post-op and inpatient care setting for our patients.

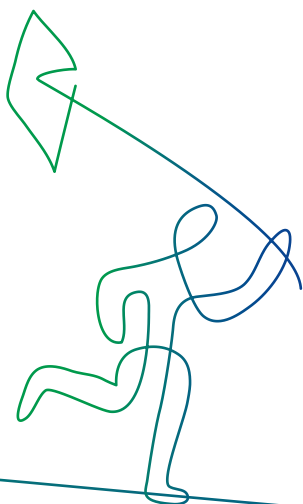
The Dimension 3D Printer, which creates invaluable models for studying patients before surgery. Physicians can learn almost the exact nature of the physical condition affecting the patient.

The Sectra IDS7 Picture Archiving and Communication System, which is used by the Radiology department to assist physicians in preoperative planning in their offices, clinics and teaching conferences. Images are also routinely displayed during surgical procedures. Teaching files and PowerPoint presentations are easily compiled for live presentations and publication. With the SECTRA IDS7, the array of imaging equipment available at both campuses can be shared between both sites.

Cross-Sectional Imaging performed through the use of a General Electric 16-channel 1.5 Tesla MRI scanner, a Philips 3T Ingenia MRI and an American College of Radiology accredited Philips 64-slice CT scanner. These systems acquire, and with the use of Philips Intellispace Portal, reconstruct high quality, detailed studies of patients, providing the clinical staff and fellows with necessary pretreatment/preoperative information about children with congenital, developmental and acquired musculoskeletal abnormalities.

The Carestream DR and CR Long-Length Imaging Systems, Siemens Multitom Rax DR systems with Long-Length stitching software, and 2 EOS Imaging scanners are used to obtain radiographs that allow low-dose imaging with the ability to capture PA and LATERAL images simultaneously. With the use of EOS SterEOS software, the acquired PA and LATERAL projections can be reconstructed to produce 3D images of the spine and lower extremities for surgical planning.

Clinical Support Staff in each clinic, including a registered nurse coordinator, a licensed vocational nurse and a clerk technician. The R.N. coordinator is responsible for working with the orthopedic surgeon to manage the patient population and is responsible for patient-family education, scheduling of admissions and surgical procedures and assessing walk-in patients. The coordinator and the L.V.N. attend each clinic, facilitate physician orders and assist with treatments and procedures. The clerk technician manages patient flow, assists with ordering X-rays and labs and screens patients for immunization status and allergies.



RESEARCH OPPORTUNITIES

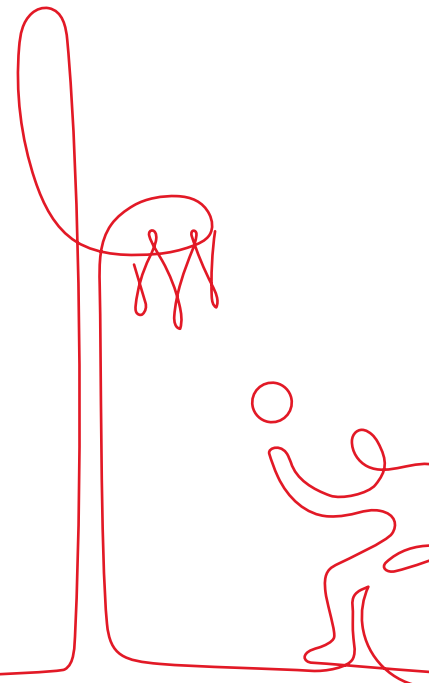


Fellows have a variety of opportunities in all areas of orthopedics, including spine, hip, trauma, limb lengthening, sports medicine and clubfoot deformity. The clinical research team assists fellows with patient recruitment, data collection and data analysis. Scientific presentations are made each year at national and international societies, including the Pediatric Orthopaedic Society of North America, the Scoliosis Research Society, the American Academy of Orthopaedic Surgeons and the International Limb Lengthening and Reconstruction Society. The findings and results from these projects are also published in journals such as *The Journal of Bone and Joint Surgery*, *Spine*, and the *Journal of Pediatric Orthopaedics*. Fellows make significant contributions to this legacy.

Clubfoot Deformity Research and Databases

Since 2001, a prospective clubfoot study has been underway at Scottish Rite for Children to assess the effectiveness of two nonoperative methods: the Ponseti casting technique and the French physical therapy method of daily stretching, massaging and taping. In addition, DNA samples have been obtained from a large number of patients and families as the organization investigates genetic aspects of the disorder.

All study patients, consisting of infants less than 3 months of age when treatment begins, are initially evaluated for the severity of their clubfoot deformity using the Dimeglio scale. Scottish Rite's research indicates that rating the feet before treatment starts allows physicians to give patient families some indication of the expected success. The success rate of nonoperative treatment is now approaching 75 percent. An additional 10 to 12 percent of patients will require limited surgery. The results of the functional outcomes of patients with clubfoot deformity have been presented at various society meetings, including the Pediatric Orthopaedic Society of North America.



Hip Research and Databases

Scottish Rite for Children is a leader in the study of hip pathology and deformity, giving fellows the opportunity to work on various clinical hip research projects. One of the newest emerging fields is hip preservation surgery. At Scottish Rite, fellows can review the prospective database, including clinical, radiographic and gait/functional data and outcomes for this adolescent patient population. Scottish Rite also leads efforts in clinical research of developmental dysplasia of the hip. The establishment of a prospective database allows fellows to review demographic, clinical and long-term follow-up information of infants with hip dysplasia.

Research studies have been presented annually at the American Academy of Orthopaedic Surgeons (AAOS) and the Pediatric Orthopaedic Society of North America (POSNA). They have also been published in various academic journals, including *The Journal of Bone and Joint Surgery*, *Clinical Orthopaedics and Related Research* and the *Journal of Pediatric Orthopaedics*.

International Perthes Study Group

Scottish Rite for Children is the lead coordinating center for the International Perthes Study Group, led by Harry Kim, M.D. The group consists of about 40 physicians from the U.S. and eight other countries. We currently have prospective studies for three age groups of patients, 6 to 8, 9 to 11 and 12+, in the early stages of Perthes disease. We are also investigating the prognostic value of pre-treatment perfusion MRI and evaluating the use of the PROMIS questionnaire to assess the patient's quality of life. Through these studies and more to come, our mission is to advance the knowledge of Perthes disease and to improve the treatment of patients affected by the disease.

Scoliosis Research and Databases

This strong clinical and basic science research program in spinal deformity maintains a leadership role in this field. These research endeavors have led to new ideas and concepts that have produced landmark papers shaping the manner in which spinal deformity is treated today. Ongoing spine projects include the development of instrumentation to perform tethering of the spine without fusion to correct scoliosis and other fusion-free techniques; improved screw and instrument design for anterior endoscopic instrumentation and fusion; evaluating biological developments to enhance fusion; and updating the TSRH® Spinal System and the TSRH® SILO™ 5.5 Spinal System.

The Comparative Orthopedic Surgical Lab allows the research team to perform the full spectrum of spine surgeries, including anterior and posterior instrumentation, and is equipped with thoracoscopic/endoscopic tools.

The clinical research databases of patients treated for spinal deformity are expansive, providing fellows with limitless potential for outstanding research. Scottish Rite has developed the Scoliosis Surgical Outcomes Database that provides a means to input clinical and patient-reported outcomes data on all patients with spinal deformity, including those with adolescent and early onset scoliosis. The database enables multiple users from the organization to participate in investigations in a timely and cost-effective manner and allows for the confidential management of data entry, tracking and reporting on an as-needed basis.

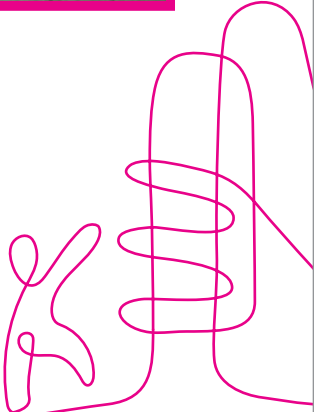
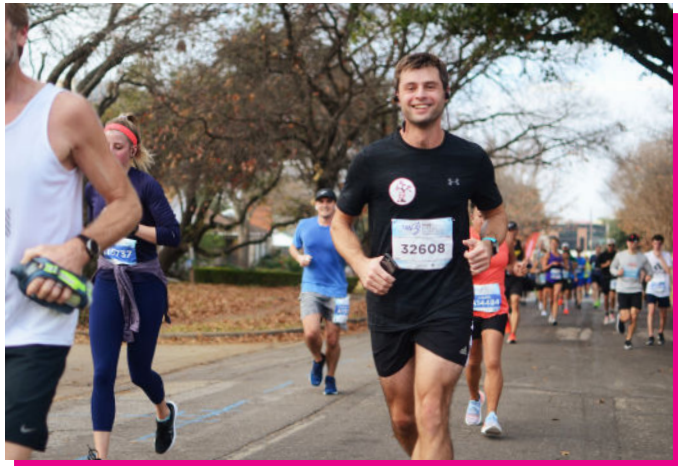
Ongoing spine projects including:

- Developing instrumentation to perform tethering of the spine without fusion to correct scoliosis.
- Developing other fusionless techniques to correct scoliosis.
- Evaluating various biological developments to enhance fusion.
- Understanding intrathoracic and extrathoracic scar formation.
- Further developing the clinical database of patients treated for spinal deformity.

SOCIAL EVENTS AND OPPORTUNITIES



Scottish Rite for Children fellows become important members of the organization’s family and often form strong bonds with one another. Fellows and their families are invited to participate in a variety of social activities throughout the year. Some events include a holiday luncheon honoring Scottish Rite fellows, the annual staff picnic, the BMW Dallas Marathon relay race, the Rocker b Ranch trip and soccer games hosted by John Birch, M.D. The orthopedic staff hosts a farewell/graduation reception and dinner each July in honor of the fellows, during which the staff acknowledges each of their accomplishments throughout the fellowship year.



COMMUNITY EXPERIENCE



A Fellowship at Scottish Rite for Children means relocating to Dallas, Texas, and we are confident you'll love working here and living here too. Dallas is one of America's fastest-growing cities. This city is booming in all sorts of ways, with a vibrant downtown revitalization and an explosion of microbreweries, film festivals, restaurants, and more.

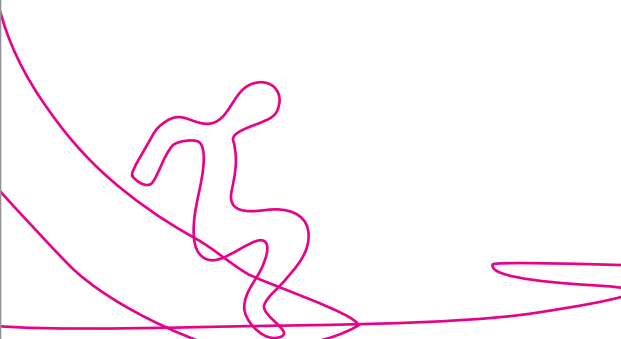
Dallas is a foodie's dream. Dallas chefs take risks and create their own twists on traditional food. The restaurants here are authentic, unique and funky, and there is something for everyone. Love burgers? Try out Twisted Root Burger in Deep Ellum. The tables are made out of bottle caps, the atmosphere is laid back and the burgers (available in beef, buffalo, turkey, and vegan options) are perfectly cooked and packed with flavor. Are street tacos more your scene? Wander over to La Ventana in Downtown, where you can feast on burritos or taco bowls on the sunny patio for just a few dollars. Whatever your stomach desires, Dallas delivers!

Who doesn't love the Dallas Cowboys? Known fondly as "America's Team," the five-time Superbowl champions run, pass and score at AT&T Stadium just west of Dallas. If basketball is more your style, we've got the Dallas Mavericks. If you love baseball, we have the Texas Rangers. Our NHL team, the Dallas Stars, has a loyal and active following as well.

Whether you love the sights and sounds of the city or prefer quick access to the great outdoors, Dallas has a neighborhood for everyone. Central Dallas will give you access to the newest businesses and restaurants. East Dallas is a kayaking/paddleboarding/running haven. West Dallas is an eclectic mix of old & new.



Katy Trail is half mile from the Dallas campus and provides over 3 miles of running and biking trails.



CURRENT AND FUTURE FELLOWS

2020–2021 Fellows



William Bassett, M.D.

Bassett received his undergraduate degree in Integrative Physiology at Colorado State University. He then earned a medical degree at the Drexel College of Medicine in Philadelphia, PA. Bassett completed his residency in orthopedic surgery at Rutgers - Robert Wood Johnson University Hospital in 2020.



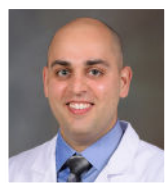
Emmanouil Grigoriou, M.D.

Grigoriou received his undergraduate degree at National and Kapodistrian University of Athens. He then earned a medical degree at National and Kapodistrian University of Athens in Athens, Greece. Grigoriou completed his residency in orthopedic surgery at University at Buffalo State University of New York in 2020.



Allen Kadado, M.D.

Kadado received his undergraduate degree at Wayne State University. He then earned a medical degree at Wayne State University School of Medicine. Kadado completed his residency in orthopedic surgery at Henry Ford Health System in Detroit in 2020.



Zachary Meyer, M.D.

Meyer received his undergraduate degree at Washington University in St. Louis. He then earned a medical degree at Washington University School of Medicine in St. Louis, Missouri. Meyer completed his residency in orthopedic surgery at Washington University/SLCH/BJH Consortium in 2020.



Edwin Portalatin, M.D.

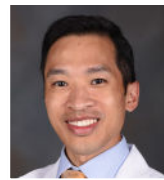
Portalatin received a Bachelor Science degree at the University of Puerto Rico Rio Piedras. He then earned a medical degree at the University of Puerto Rico Medical Campus in San Juan. Portalatin completed his residency in orthopedic surgery at the University of Puerto Rico Medical Campus in 2020.

2021–2022 Fellows



Lisa Cao, M.D.

Cao received her undergraduate degree in Biochemistry and her M.S. degree in Biochemistry and Molecular Bio at the University of California, Los Angeles. She then earned her medical degree at the David Geffen School of Medicine at UCLA. Cao completed her orthopedic surgery residency at LAC/USC Medical Center.



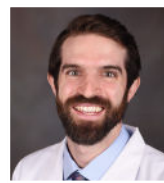
Michael Chau, M.D.

Chau received his undergraduate degree in Biomechanical Engineering and Global Health at Northwestern University in Evanston, Illinois. He then earned his PhD in Medical Sciences at the Karolinska Institute in Stockholm, Sweden followed by his medical degree at Penn State College of Medicine in Hershey, Pennsylvania. Chau completed his surgery residency at the University of Minnesota, Minneapolis-St. Paul.



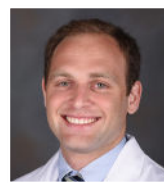
John Ghazi, M.D.

Ghazi received his undergraduate degree in Biological Sciences from the University of Notre Dame. He then earned his medical degree at Loyola University Chicago Stritch School of Medicine in Maywood, IL followed by his orthopedic surgery residency at Rutgers Robert Wood Johnson Medical School in New Brunswick, NJ.



Dylan Kluck, M.D.

Kluck received his BA from the University of California, Berkley. He then earned his medical degree from Washington University School of Medicine, St. Louis. Kluck completed his orthopedic surgery residency at the University of California, San Diego.



Keith Orland, M.D.

Orland received his undergraduate degree from the University of Georgia in 2012. He then earned his medical degree at the Medical University of South Carolina in 2016. Orland completed his orthopedic surgery residency at Emory University Department of Orthopedic Surgery.

FORMER FELLOWS SPEAK



"I consider my time at Scottish Rite for Children as the most important of my career. First as a fellow, and later as staff, the experience was a continual process of improving one's understanding of pediatric orthopedic disease and developing one's surgical capabilities to treat incredibly difficult cases."

– James Roach, M.D., 1980-1981



"Without hesitation, I can say that the training during my fellowship year at Scottish Rite could not have been more valuable. Both the enthusiasm and knowledge I gained during my fellowship year has stayed with me, and I'm sure it will remain throughout my career."

– J. Channing Tassone, M.D., 2001-2002



"You will learn from the most talented group of pediatric orthopedic surgeons ever assembled. But the benefits of training at Scottish Rite for Children do not end when you leave the organization. I count the staff at Scottish Rite among some of my best friends. They are always willing to help me with career choices and difficult cases."

– Derek Kelly, M.D., 2007-2008



"Clinically, the experience cannot be topped. Each clinic includes several cases forcing you to review the literature in order to educate yourself on very complex or rare orthopedic conditions. Operatively, the caseload is full of disorders which vary weekly to cover the whole spectrum of pediatric orthopedics."

– David Gurd, M.D., 2005-2006



"This fellowship teaches you how to care for the patient from initial presentation through the end of treatment. Just as important, however, is to learn how to create a happy and efficient working environment. I leave here with an excellent template from which I plan to model my future practice."

– Shannon McClure, M.D., 2003-2004



"There was never a single 'right' – or even 'Rite' – answer but a lively discussion of the many possible ways to approach a problem. At Scottish Rite, you don't just learn how to do pediatric orthopedics; you learn how to think about pediatric orthopedics."

– Sharon Mayberry, M.D., 2000-2001



"My fellowship essentially launched my career in academic pediatric orthopedics. It allowed me to meet many people in the field and gave me a good selling point when looking for academic pediatric orthopedic positions. I don't think there is a better program."

– Randall Loder, M.D., 1985-1986

FORMER FELLOWS



The 40th Anniversary former fellows group

1978

Clyde Parsons, M.D.
Roger Sobel, M.D.

1979

Hanes Brindley, Jr., M.D.
Thomas Ditkoff, M.D.
John Purvis, M.D.

1980

O. Lee Henderson, M.D.
*James Roach, M.D.

1981

John Birch, M.D.
Charles Johnston, M.D.

1982

Walter Carlson, M.D.
*Robert Fitch, M.D.
John Houkom, M.D.†

1983

Louis Keppler, M.D.
Elizabeth Szalay, M.D.†
*Timothy Ward, M.D.

1984

*Jay Jarvis, M.D.
Wayne Johnson, M.D.
Carol Mowery, M.D.

1985

*Paul Caskey, M.D.
Curtis Gruel, M.D.
*Randall Loder, M.D.
John Ritterbusch, M.D.

1986

*Jeffrey Ackman, M.D.
*Anne Dzus, M.D.
*Robert Galpin, M.D.
B. Stephens Richards, M.D.

1987

Jonathan Camp, M.D.
Robert Caudle, M.D.
Donna Phillips, M.D.

1988

*John Blanco, M.D.
Mark Dales, M.D.
*William Schrader, M.D.
Richard Shindell, M.D.

1989

Matthew Bueche, M.D.
*Jeffrey Neustadt, M.D.
*Jay Shapiro, M.D.
William Shaughnessy, M.D.

1990

*Joseph Gerardi, D.O.
*Lori Karol, M.D.
Mario Turi, M.D.
Suzanne Yandow, M.D.

1991

*Jim Sanders, M.D.
*Kit Song, M.D.
*Paul Urbanek, M.D.
John Williams, M.D.

1992

*Thierry Benaroch, M.D.
*Frances Farley, M.D.
*Henry "Chip" Iwinski, M.D.
*Eric Loveless, M.D.

1993

*Tracy Ballock, M.D.
Jeffrey Hanway, M.D.†
Anthony "Tony" Lapinsky, M.D.
*Peter Newton, M.D.
*J. Michael Wattenbarger, M.D.

1994

Susan Austin, M.D.
*Mark Erickson, M.D.
Norman Ramirez, M.D.
J. Brian Sims, M.D.

1995

John Fox, M.D.
Todd Lincoln, M.D.
Philip Mack, M.D.
*Chris Reilly, M.D.

1996

Lawson Copley, M.D.
David Schiffman, M.D.
Jeff Settecerri, M.D.
*Ira Zaltz, M.D.

1997

Joseph Bellflower, M.D.
Prasad Gourineni, M.D.
Albert Knuth, M.D.
*Daniel J. Sucato, M.D., M.S.

1998

*Joseph Davey, M.D.
Erik King, M.D.
Scott Shoemaker, M.D.
*Vishwas Talwalkar, M.D.

1999

David Konigsberg, M.D.
Elizabeth Magnabosco, M.D.
Jean Ouellet, M.D.

2000

Maurice Albright, M.D.
Sharon Mayberry, M.D.
David Podeszwa, M.D.
Nicholas Waanders, M.D., Ph.D.

2001

*Craig Ebersson, M.D.
Michael Ferrick, M.D.
Carl St. Remy, M.D.
J. Channing Tassone, M.D.



2002

Patrick Bosch, M.D.
 Jeffrey Cassidy, M.D.
 Kelly Mueller Vanderhove, M.D.
 *Anthony Scaduto, M.D.

2003

Shannon McClure, M.D.
 *Todd Milbrandt, M.D.
 Debra Popejoy, M.D.
 R. Lane Wimberly, M.D.

2004

Virginia Casey, M.D.
 *Ron El-Hawary, M.D.
 Brian Hasley, M.D.
 Michael Wade Shrader, M.D.

2005

David Gurd, M.D.
 Christine Ho, M.D.
 Anthony Riccio, M.D.
 Klane White, M.D.

2006

John Lovejoy, III, M.D.
 Jeff Martus, M.D.
 Amy McIntosh, M.D.
 *Bryan Tompkins, M.D.

2007

Lauren Allen, M.D.
 Derek Kelly, M.D.
 Mark Lee, M.D.
 Joshua Meier, M.D.
 Kristina Walick, M.D.

2008

Stephen Adolfsen, M.D.
 Lucas Murnaghan, M.D.‡
 *Matthew Oetgen, M.D.
 Neil Saran, M.D.
 Suzanne Steinman, M.D.

2009

Nicholas Fletcher, M.D.
 Sumeet Garg, M.D.
 Michael Kwon, M.D.
 A. Noelle Larson, M.D.
 Jonathan Schiller, M.D.

2010

Jennifer C. Laine, M.D.
 Benjamin D. Martin, M.D.
 Brandon A. Ramo, M.D.
 Jamie Rice Denning, M.D.
 Alec C. Stall, M.D.

2011

Terrence Anderson, M.D.
 Vedant Kulkarni, M.D.
 Ryan Muchow, M.D.
 Dominick Tuason, M.D.
 Megan Young, M.D.

2012

Chukwudi Chukwuyerena, M.D.
 Rebecca Clinton, M.D.
 Corey Gill, M.D.
 Dana Olszewski, M.D.
 David Roberts, M.D.

2013

Matthew Abbott, M.D.
 Benjamin Escott, M.D.
 Janay McKie, M.D.
 Ryan Miller, M.D.
 Sarah Offley, M.D.

2014

Franklin Gettys, M.D.
 Lauren LaMont, M.D.
 Lise Leveille, M.D.
 Megan Mignemi, M.D.
 Kevin Smit, M.D.

2015

Shawn Funk, M.D.
 Connor Green, F.R.C.S.I.
 Elizabeth Hubbard, M.D.
 Philip McClure, M.D.
 Rachel Thompson, M.D.

2016

Philip Ashley, M.D.
 Daniel Bouton, M.D.
 Andrew Tice, M.D.
 John Vorhies, M.D.
 Stephan Zmugg, M.D.

2017

Ian Corcoran-Schwartz, M.D.
 Lorena Floccari, M.D.
 Dustin Greenhill, M.D.
 Surya Mundluru, M.D.
 Jeffrey Peck, M.D.

2018

Brittany Hedrick, M.D.
 Terrence Ishmael, M.D.
 William Morris, M.D.
 Steve Slotkin, M.D.
 Adam Thiessen, M.D.

2019

Louis Bezuidenhout, M.D., Ph.D., B.Sc.
 Melissa Esparza, M.D.
 Erin Honcharuk, M.D.
 Bobby Palmer, M.D.
 Elaine Tran, M.D.

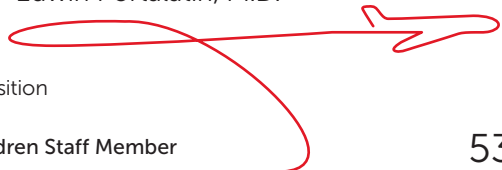
2020

Paul Bassett, M.D.
 Emmanouil Grigoriou, M.D.
 Allen Kadado, M.D.
 Zachary Meyer, M.D.
 Edwin Portalatin, M.D.

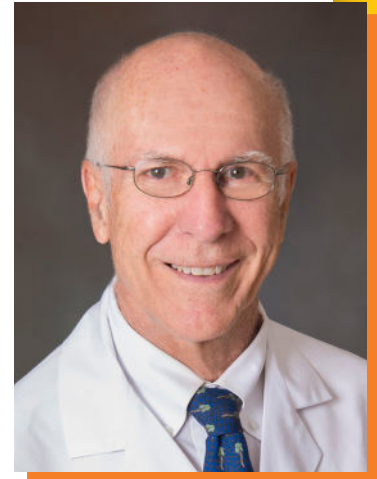
*Holds Leadership Position

‡Deceased

Scottish Rite for Children Staff Member



A Message from Tony Herring, M.D. Chief of Staff Emeritus



Fellowship at Scottish Rite for Children is an extraordinary educational experience for individuals interested in careers in pediatric orthopedic surgery and spine deformity. Our comprehensive fellowship program has all of the components necessary to prepare fellows for productive clinical and academic careers. The first element is a patient population of great diversity, which presents continual challenges in decision-making and surgical expertise. The second and most important component is a dedicated full-time team of 20 pediatric orthopedists and hand specialists staffing the Dallas and Frisco campuses as well as Children's Health Dallas.

First and foremost, the Fellowship in Pediatric Orthopedics and Scoliosis is a clinical program with in-depth training in all aspects of reconstructive pediatric orthopedics, trauma and infections. Our population of spinal deformity patients covers a wide spectrum, from moderate deformity requiring close observation and brace management to severe deformity requiring complex surgical intervention. We employ state-of-the-art electrophysiologic monitoring, epidural pain control and other methods of excellent post-operative patient management. In addition, we have an outstanding Research department, as well as a Communications department that facilitates clinical and research activities.

Our fellows become a vital part of the Scottish Rite family. Our staff has a unique bond derived from the caring attitude that accompanies helping children. In the broader sense of the word "fellowship," fellows, staff and residents get together for sports events such as soccer and the marathon relay, a trip to the organization's ranch and many family-oriented outings. The relationship does not end after one year. Rather, it continues through frequent correspondence, meetings such as the Brandon Carrell Visiting Professorship and receptions at the AAOS and POSNA meetings, to name a few. If you choose Scottish Rite, you will receive a lifetime membership in a group strongly committed to children and to each other. We deeply respect and are committed to our fellows, past and present. Working together, we learn more each day about the ways that orthopedic surgery can positively impact the lives of children.



Fellowship class of 2021-2022

Online Application and Contact Information

Interested applicants may enter the match beginning September 2022. For more information, please contact the GME Manager at 214-559-8430 or 800-421-1121, ext. 8430 or at amy.park@tsrh.org.



Scottish Rite for Children is a world-renowned leader in the treatment of orthopedic conditions such as scoliosis, clubfoot, hand differences, hip disorders, sports injuries and fractures, as well as certain related arthritic and neurological disorders and learning disorders, such as dyslexia. Patients receive treatment regardless of the family's ability to pay.

For more information about services available at our Dallas or Frisco campuses, visit scottishriteforchildren.org.



SCOTTISH RITE



Dallas | Frisco



scottishriteforchildren.org