The Department of Orthopaedic Surgery is pleased to publish this fifth edition of the UT Southwestern Orthopaedic Journal. This issue was made possible with the assistance of Julie Mitchell (Coordinator to the Chair) and our summer intern, Stone Kinsey.

A year prior to this publication, we were at the perceived apex of a pandemic with the hope of fall sports and some reprieve that a vaccine would be made available to the masses. Of course, circumstances have delayed our return to normal, but we are indebted to our scientific colleagues who developed and assisted in the mass production and vaccination efforts, which have been a true marvel of humanity. Locally, we are fortunate to work at a truly sterling medical center that was able to mobilize vaccine sites in tandem with Texas Health Resources to launch the DFW COVID-19 Prevalence Study.

We’ve learned a great deal this past year but still have more to learn and more to endure with variants emerging and public health considerations always at the forefront of our day-to-day interactions. We continue to adapt the way we do our business with virtual meetings and social distancing events, and we have found new ways to celebrate and connect with our faculty and residents with online graduations and trainings.

In spite of many obstacles, the department has grown in size, adding new faculty and staff even as we’ve said goodbye to some of our more experienced colleagues. In particular, we note the retirement of Dr. Maureen Finnegan after more than 25 years of practice.

This past year, we also were fortunate to add a new endowment in honor of the great Dr. Roby Mize. This endowment, funded by the Hansjörg Wyss Medical Foundation, will allow more robust training opportunities for our residents and a second seminar to be held biannually, along with Dr. Adam Starr’s trauma symposium.

This journal captures the theme of resilience and growth we’ve seen in UT Southwestern’s Orthopaedic Surgery program. We’re not done yet, and we won’t stop in our quest to become the first choice in orthopaedic care in the Metroplex and beyond.

Sincerely,

Dane K. Wukich, M.D.
Professor and Chair, Department of Orthopaedic Surgery
Holder of the Dr. Charles F. Gregory Distinguished Chair in Orthopaedic Surgery

Table of Contents

Orthopaedic Surgery Program Overview/Teaching Sites 4
New Zealand Rotation 6
Orthopaedic Surgery Faculty 10
Scottish Rite for Children Faculty 12
Faculty With Secondary Appointments 14
Orthopaedic Surgery Chief Residents/Family Photos 16
Incoming Interns 19
Holders of Endowed Chairs 20
Resident Awards 22
Faculty Awards 23
Adult Reconstruction 24
Foot and Ankle 26
Hand and Upper Extremity 29
Spine 30
Sports Medicine 32
Trauma 35
Scottish Rite for Children 36
Citations 38
Presentations 54
Orthopaedic Surgery Program

Over the course of five years, the Department of Orthopaedic Surgery at UT Southwestern affords residents a comprehensive combination of patient care, research opportunities, and didactics. This experience extends over multiple hospitals and surgical centers throughout Dallas, many of which have received national recognition for their service to patients and to the field of orthopaedic surgery.

Orthopaedic surgery continues to be one of the most sought-after training programs for graduating U.S. medical students. This year, more than 800 medical students applied to the UT Southwestern Department of Orthopaedic Surgery program, and 76 students interviewed virtually, due to the pandemic, for six first-year positions. Applications for fourth-year “subinternships” have also become more competitive. According to Doximity’s ranking of residency programs by reputation, UT Southwestern’s Orthopaedic Surgery program is the top-ranked program in Texas.

Every Wednesday morning, residents, faculty, ancillary staff, and medical students gather for Chief’s Conference. In addition to lectures from orthopaedic faculty and other departments at UTSW, visiting professors from other medical centers around the country offer a diverse, evidenced-based perspective on modern orthopaedics. This is followed by presentations of select surgical cases that reflect our complex patient population and broad spectrum of subspecialty coverage. In addition, a bimonthly M&M conference offers insight into how to avoid and manage the myriad complications that one can encounter while practicing orthopaedic surgery.

Boundless efforts are put forth by faculty and residents alike to provide a year-round curriculum of enriching experiences, including journal clubs, in-training exam reviews, anatomy labs, and surgical skill labs.

UT Southwestern Medical Center

UTSW has one university hospital: William P. Clements Jr. University Hospital (CUH), a 12-floor, 751-bed facility housing the most advanced technology, research, and training available today – along with the Zale Lipshy Pavilion of CUH, a 148-bed facility that has served North Texas since 1989. Elective inpatient surgery is performed at Zale Lipshy. Surgical cases requiring cardiac and/or pulmonary intensive care are performed at CUH. Outpatient cases are performed at the Outpatient Surgery Center (OSC), a modern, efficient surgical center within a mile of both CUH and Zale.

Residents gain exposure to hip, knee, shoulder, hand, spine, foot and ankle, trauma, and sports cases at these facilities.

Parkland Memorial Hospital

Parkland Memorial Hospital has gone through many phases throughout its service to Dallas County. It began as a wooden structure on Oak Lawn and Maple avenues in 1894. On August 20, 2015, the current $1.3 billion, 17-story, 862-bed facility at 5200 Harry Hines Boulevard opened its doors. It remains one of the busiest Level 1 trauma centers in the United States, admitting more than 7,500 trauma patients each year, many of whom have orthopaedic injuries. The clinical volume and pathology at Parkland provide excellent education for residents. In addition to the heavy trauma load they experience, junior and senior residents manage joint reconstruction, hand, spine, sports, and oncology cases.

Scottish Rite for Children

During their PGY-1 year, orthopaedic residents have the unique opportunity to spend time at the world-renowned Scottish Rite for Children (SRC) hospital. Over a six-month period (often referred to as a mini-fellowship), residents perform surgical cases and see pathology in clinic that residents at other programs might only read about in textbooks. SRC has more than 35,000 clinic visits every year – many of which are from international patients who have traveled great distances to see leaders in the field of medicine. The hospital treats children with orthopaedic conditions such as scoliosis, clubfoot, hand disorders, hip disorders, and limb length discrepancies, as well as neurological disorders.

Children’s Medical Center Dallas

Children’s Health is a private, not-for-profit system that is one of the largest pediatric care providers in the United States. Children’s Medical Center Dallas is its flagship hospital. It was also the first Level 1 pediatric trauma center in Dallas. More than 800,000 patients are seen at Children’s and affiliated locations throughout the Metroplex every year. Because of this volume, residents at the PGY-1, -2, and -3 levels become experts at surgical and nonoperative treatment of pediatric orthopaedic trauma while rotating here. They are supported by a dedicated team of pediatric orthopaedic surgeons and other health care providers.

Dallas Veterans Affairs Medical Center

The VA North Texas Health Care System is the second-largest VA system in the nation. The Dallas VA Medical Center has proudly cared for America’s veterans for more than half a century. Residents rotate through the VA as PGY-3, -4, and -5s. The growing population of veterans offers encounters with patients over a wide range of ages. In the same clinic, a resident might encounter an 18-year-old Marine with an ACL rupture and a 95-year-old WWII vet with hip arthritis. Residents are expected to apply knowledge of a variegated spectrum of orthopaedic maladies in the clinic, operating room, and wards.
In 2018, the Department of Orthopaedic Surgery began offering senior residents a three-month orthopaedic surgery rotation in Auckland, New Zealand.

**Auckland City Hospital** is the major tertiary referral hospital in Auckland, New Zealand, providing services to the population of central Auckland as well as serving as a regional and national referral center for many specialist services. Seventeen orthopaedic surgeons in the Orthopaedic Department provide a comprehensive range of orthopaedic services, and the department is an integral part of the Regional Trauma Service. In association with the Starship Hospital Paediatric Orthopaedic Department on the same campus, there is a commitment to training orthopaedic residents who rotate through the service as part of the New Zealand Orthopaedic Training Program. Fellowship programs are available in trauma, spinal surgery, and arthroplasty. The orthopaedic surgeons at Auckland City Hospital, under the leadership of Dr. Stuart McCowan, have embraced the opportunity to have UT Southwestern residents rotate through the orthopaedic service at the hospital.

**Starship Children’s Hospital** is New Zealand’s only tertiary-level children’s hospital and, therefore, serves all of New Zealand and many areas of the South Pacific. There are 12 surgeons in the children’s orthopaedic department. In addition to a busy acute trauma load, there is also a very high rate of musculoskeletal infections, exposing residents to a broad range of acute orthopaedics. Staff surgeons cover the full range of subspecialty paediatric orthopaedic practice and, in doing so, offer residents the opportunity to be exposed to a wide variety of elective children’s orthopaedics. UT Southwestern residents work alongside New Zealand residents and also have the opportunity to collaborate with three fellows, some of whom are international fellows. This adds to the breadth and variety of residents’ learning experiences at Starship Children’s Hospital.

New Zealand Rotation
Photos were taken November 2020-April 2021 in accordance with New Zealand safety policies.
Department of Orthopaedic Surgery Faculty
Scottish Rite for Children Faculty

Daniel Sucato, M.D.
Professor and Chief of Staff

John Birch, M.D.
Clinical Professor

Alexander Cherkashin, M.D.
Assistant Professor

Jane Chung, M.D.
Assistant Professor

Lawson Copley, M.D.
Professor

Henry Ellis, M.D.
Assistant Professor

Marybeth Ezaki, M.D.
Clinical Professor

Corey Gill, M.D.
Assistant Professor

John Anthony Herring, M.D.
Professor

Christine Ho, M.D.
Assistant Professor

Megan E. Johnson, M.D.
Assistant Professor

Charles Johnston, M.D.
Professor

Marybeth Ezaki, M.D.
Clinical Professor

Corey Gill, M.D.
Assistant Professor

Jacob C. Jones, M.D.
Assistant Professor

Lori Karol, M.D.
Professor

Harry Kim, M.D.
Professor

Chi Ma, Ph.D.
Assistant Professor

Jane Chung, M.D.
Assistant Professor

Lawson Copley, M.D.
Professor
Department of Orthopaedic Surgery Faculty With Secondary Appointments

Carlos Bagley, M.D.
Associate Professor, Neurological Surgery

Avneesh Chhabra, M.D.
Associate Professor, Radiology

Beth Deschenes, M.S., D.P.T.
Associate Professor, Physical Therapy

Yasin Dhaher, Ph.D.
Professor, Physical Medicine and Rehabilitation

Edward Mulligan, D.P.T.
Professor, Physical Therapy

Lawrence Lavery, D.P.M.
Professor, Plastic Surgery

Nitin Jain, M.D.
Professor, Physical Medicine and Rehabilitation

Nicholas Haddock, M.D.
Associate Professor, Plastic Surgery

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Nitin Jain, M.D.
Professor, Physical Medicine and Rehabilitation

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions

Jason Zaferes, M.P.T., Ph.D.
Associate Professor, Physical Therapy

Paul Weatherall, M.D.
Professor, Radiology

Paul Kim, D.P.M.
Professor, Plastic Surgery

Javier LaFontaine, D.P.M.
Professor, Plastic Surgery

Andrew Zhang, M.D.
Associate Professor, Plastic Surgery

Douglas Sammer, M.D.
Associate Professor, Plastic Surgery

Scott Olshen, M.D.
Professor, Plastic Surgery

Ross Querry, Ph.D.
Professor and Chair, Physical Therapy

Yi-Ting Tzen, Ph.D.
School of Health Professions

Carol Wise, Ph.D.
Professor, Eugene McDermott Center for Human Growth and Development

Jonathan Rios, Ph.D.
Assistant Professor, Eugene McDermott Center for Human Growth and Development

Metin Yavuz, D.Eng.
Associate Professor, School of Health Professions
Department of Orthopaedic Surgery Chief Residents

Nathan and Rachel Boes
Steadman Hawkins Clinic of the Carolinas Shoulder Reconstruction and Sports Medicine Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Eden Haile and Aaron Gebrelul
University of Pennsylvania Adult Reconstruction Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship

Dejana Neskovic and Adam Green
Orlando Health Trauma Fellowship

Garen and Sarah Collett
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Bruno and Carrie Gross
Cleveland Clinic Adult Reconstruction Fellowship – Florida

Michelle and Jonathan Tran
University of Pennsylvania Adult Reconstruction Fellowship
Department of Orthopaedic Surgery Incoming Interns

**Dang-Huy Do**
Hometown: Allen, Texas
Medical School: UT Southwestern
Undergraduate School: UT Dallas
Personal Interests: Building wood sculptures, video editing, playing ice hockey, mountain biking, obstacle-course mud racing (e.g., Spartan Race), pin collecting, traveling

**Andrew Hinkle**
Hometown: Seattle, Washington
Medical School: Tulane University
Undergraduate School: University of Washington
Personal Interests: Swimming, water polo, boating, soccer, cooking Cajun dishes, growing hot peppers, cheering for the Seattle Seahawks, Washington Huskies, and New Orleans Pelicans

**Hunter Jones**
Hometown: Marble Falls, Texas
Medical School: Texas Tech
Undergraduate School: UT Austin
Personal Interests: Exercise/running, hiking, traveling, cooking, beer brewing

**Patrick Ojeaga**
Hometown: McAllen, Texas
Medical School: UT Rio Grande Valley
Undergraduate School: UT Austin
Personal Interests: Football, golfing, kayaking, cooking, and strength training
Passions: Mentorship to students, health care advocacy, mental health and wellness

**Terrul Ratcliff**
Hometown: Duncanville, Texas
Medical School: UT Southwestern
Undergraduate School: Texas Christian University
Personal Interests: Yoga, weightlifting, music production, fishing

**Joshua Sun**
Hometown: Flower Mound, Texas
Medical School: UT Southwestern
Undergraduate School: University of Notre Dame
Personal Interests: Golf, boxing, soccer, motocross, traveling, cooking, spending time with family, watching sports
Holders of Endowed Chairs

Dane K. Wukich, M.D.
Dr. Charles F. Gregory Distinguished Chair in Orthopaedic Surgery
Established in 1994 to support orthopaedic surgery.

Kevin Gill, M.D.
Aaron A. Holmstrom, M.D. and Suzanne Holmstrom Distinguished Chair in Orthopaedic Surgery in Honor of Richard E. Jones, M.D.
Established in 1994 to support resident research projects, awards, and education.

Timothy Schacherer, M.D.
Robert W. Bucholz Professorship
Established in 2016 to support resident research and education.

Adam J. Starr, M.D.
Hansjörg Wyss Distinguished Professorship in Orthopaedic Trauma
Established in 2004 to support orthopaedic trauma research, education, and clinical care.

Yasin Dhaher, Ph.D.
R. Wofford Cain Distinguished Chair in Bone and Joint Disease
Established in 2018 to support research in bone and joint disease.

Nitin Jain, M.D.
Dallas Rehabilitation Institute Distinguished Chair in Orthopaedic Rehabilitation
Established in 1991 to support orthopaedic mobility research.
Aaron A. Hofmann, M.D., and Suzanne Hofmann Distinguished Chair in Orthopaedic Surgery

Graduating Resident Awards

Dr. Aaron A. Hofmann established the following awards for graduating residents to honor three orthopaedic surgeons who significantly influenced him during his orthopaedic residency at UT Southwestern.

The Awards

W. Brandon Carrell Distinguished Physician Award

Presented to the current PGY-5 resident who throughout his or her residency consistently displayed empathy, concern, and compassion for his or her patients, colleagues, and staff. The W. Brandon Carrell Award winner is determined by current full-time faculty.

G. Truett James Award for Excellence in Teaching

Presented to the current PGY-5 resident who was most dedicated to teaching others. This award is determined by residents.

Vert Mooney Award for Academic Achievement

Presented to the current PGY-5 who has performed at a high academic level during his or her residency. This award is determined by the resident’s overall academic achievement during residency, e.g., research, posters, and presentations.

2021 Annual Resident Awards

Brandon Carrell Award – Bruno Gross, M.D.

G. Truett James Award – Aaron Gebrelul, M.D.

Vert Mooney Award – Aaron Gebrelul, M.D.

Past Hofmann Resident Award Recipients

2020
Brandon Carrell Award – Kshitij Menonwa, M.D.
G. Truett James Award – Stephen Gates, M.D.
Vert Mooney Award – Stephen Gates, M.D.

2019
Brandon Carrell Award – Benjamin Schell, M.D.
G. Truett James Award – Benjamin Schell, M.D.
Vert Mooney Award – Emmanuel Nwaele, M.D.

2018
Brandon Carrell Award – Craig Birch, M.D.
G. Truett James Award – Brian Sager, M.D.
Vert Mooney Award – Marc Willy, M.D.

2017
Brandon Carrell Award – Jessica Wingfield, M.D.
G. Truett James Award – Matthew Swann, M.D.
Vert Mooney Award – Matthew Swann, M.D.

2016
Brandon Carrell Award – Sheena Black, M.D.
G. Truett James Award – Ryan Ross, M.D.
Vert Mooney Award – Timothy Brown, M.D.

2015
Brandon Carrell Award – Kelly Cline, M.D.
G. Truett James Award – Kelly Cline, M.D.
Vert Mooney Award – Robert Russet, M.D.

2014
Brandon Carrell Award – Sant Hogue, M.D.
G. Truett James Award – Drew Sanders, M.D.
Vert Mooney Award – Kenneth Estowey, M.D.

2013
Brandon Carrell Award – Guillame Dumont, M.D.
G. Truett James Award – Paul Chen, M.D.
Vert Mooney Award – Justin Knight, M.D.

2012
Brandon Carrell Award – Jacob Zide, M.D.
G. Truett James Award – Charles Oser Jr., M.D.
Vert Mooney Award – Chris Esperou-Vroom, M.D.

2011
Brandon Carrell Award – James P. Pekos, M.D.
G. Truett James Award – Joshua Fox, M.D.
Vert Mooney Award – No recipient

2010
Brandon Carrell Award – Henry Ellis, M.D.
G. Truett James Award – Hilton Goforth, M.D.
Vert Mooney Award – Henry Ellis, M.D.

2009
Brandon Carrell Award – Daniel Chan, M.D.
G. Truett James Award – Chad Hanson, M.D.
Vert Mooney Award – Megan Swanson, M.D.

Faculty Awards

Harold A. “Pete” Mattson Award for Outstanding Leadership

This award is given annually to a physician who demonstrates outstanding personal, moral, and professional leadership for our residents. The award is named in honor of a man who embodied all of these virtues.

2021 Mattson Award Recipient

Drew T. Sanders, M.D.

Past Mattson Award Recipients

2020 – Timothy Schacherer, M.D.
2019 – Adam J. Starr, M.D.
2018 – Karl Rathjen, M.D.
2017 – Drew T. Sanders, M.D.
2016 – Adam J. Starr, M.D.
2015 – Robert W. Bucholz, M.D.
2014 – Michael H. Nus, M.D.
2013 – Adam J. Starr, M.D.

Charles M. Reinert Award

This award is presented annually to a physician for going above and beyond the call of duty … for selfless dedication to resident education … for being a pillar of consistency amidst a sea of change … for always being available for assistance … for being a role model in the truest sense of the word … for teaching us to do the right thing.

2021 Reinert Award Recipient

Michael H. Nus, M.D.

Past Reinert Award Recipients

2020 – Drew T. Sanders, M.D.
2019 – Drew T. Sanders, M.D.
2018 – Brigham Au, M.D.
2017 – Adam J. Starr, M.D.
2016 – Timothy G. Schacherer, M.D.
2015 – Timothy G. Schacherer, M.D.
2014 – Adam J. Starr, M.D.
2013 – William “Bill” Robertson, M.D.
2012 – Michael H. Nus, M.D.
2011 – Michael H. Nus, M.D.
2010 – James B. “Monty” Montgomery, M.D.

Robert W. Bucholz Award

This award is presented by the graduating class to a faculty member who is an exceptional surgeon, dedicated educator, leader, mentor, and caring friend who embodies these virtues both as a physician and as a person.

2021 Bucholz Award Recipient

Adam J. Starr, M.D.

Past Bucholz Award Recipients

2020 – Karl E. Rathjen, M.D.
2019 – Michael H. Nus, M.D.
2018 – Adam J. Starr, M.D.
Clinical activity

The UT Southwestern Medical Center Adult Reconstruction section within the Department of Orthopaedic Surgery represents a composite of 10 full-time physicians, currently led by Section Chief Michael Khazzam, M.D. The team provides high-quality, comprehensive care for patients presenting with operative and nonoperative hip, knee, and shoulder conditions, with team members Alexandra Callan, M.D., and Robert Weinschenk, M.D., also providing orthopaedic oncology care. Team members practice throughout Dallas-Fort Worth, including at UTSW’s main campus in the Southwestern Medical District, as well as at the UTSW/THR Frisco location, the UTSW Richardson/Plano location, Parkland Memorial Hospital, Children’s Medical Center Dallas, and Scottish Rite for Children. In addition to Drs. Khazzam, Callan, and Weinschenk, current members of the Adult Reconstruction section are Georges Bounajem, M.D.; Alison Cabrera, M.D.; Michael Huo, M.D.; Varatharaj Mounasamy, M.D.; Megan Sorich, D.O.; Sharon Walton, M.D.; and Joel Wells, M.D., M.P.H.

Clinically, the section is focused on efforts to achieve designation as a Joint Center of Excellence in total hip and total knee arthroplasty through the Joint Commission. In pursuit of this goal, the team is working closely with various disciplines across the university. The team has also worked in conjunction with anesthesia, care coordination, and therapy services to create and implement an enhanced recovery after surgery (ERAS) pathway to decrease recovery time and improve patient outcomes after surgery. These pathways were implemented on June 1, 2021, in total hip and knee arthroplasty cases. In April of this year, Dr. Khazzam and his team completed the first shoulder arthroplasty using augmented virtual reality – groundbreaking technology that only 15 facilities in the world have implemented (see utswmed.org/medblog/shoulder-replacement-virtual-reality-texas). On February 1, 2021, Dr. Sorich launched the Returning Seniors to Orthopaedic Excellence (RESTORE) Program. The goal of RESTORE is to expedite geriatric patients to the operating room, reduce their length of stay, and improve patient outcomes. The only program of its kind in North Texas, RESTORE focuses on collaborative, comanaged patient care. Dr. Sorich has teamed up with geriatric medicine, internal medicine, emergency medicine, anesthesiology, pain management, clinical nutrition, and physical therapy to bring the program to life and improve the health and well-being of the North Texas geriatric population.

Scholarly activity

The Adult Reconstruction section has continued to embark on scholarly activities focused on joint arthroplasty and orthopaedic oncology. In partnership with the Multicenter Orthopaedic Outcomes Network (MOON) Shoulder Group, the section’s faculty conducted a multicenter trial surveying the use of physical therapy versus surgery in rotator cuff tear treatment. In collaboration with the basic sciences research team, Dr. Wells has completed a study on the cellular origin of early-onset osteoarthritis in hip dysplasia. Dr. Bounajem has been involved in studies linking the impact of social determinants of health, such as smoking and alcohol use, on total joint arthroplasty complications.

In orthopaedic oncology, Dr. Callan has made great progress this year with the addition of a dedicated research fellow – Kathryn Gallaway. Through the generous Dedman Scholarship, the team has been able to purchase iPads® to collect patient outcome metrics for research and to build a prospective orthopaedic oncology database. In addition, the orthopaedic oncology team has launched a prospective Fitbit® activity tracking study in its pediatric sarcoma population. Dr. Callan has joined forces with UTSW radiation oncologists to design new techniques for utilizing brachytherapy in long bone metastases and challenge the paradigm of treatment timing and sequence. Additionally, the oncology team has collaborated with researchers at the University of Texas at Dallas to submit a grant application to the Cancer Prevention and Research Institute of Texas (CPRIT). With current research in orthopaedic oncology and arthroplasty, the Adult Reconstruction section maintains a high volume of cutting-edge research intended to better the patient experience.

Education

The Adult Reconstruction faculty is committed to the continuous education of residents through activities that include a weekly indications conference and the opening of the cadaver lab bimonthly. These activities allow the residents to train for the complexities of various cases that they will encounter throughout their careers. The team is updating its journey guides for hip and knee arthroplasty, hip fractures, and shoulder arthroplasty cases that are seen in our facilities. These guides will aid in patient care by providing an educational resource for patients and their families during the perioperative planning process.
Clinical activity

The UT Southwestern Medical Center Foot and Ankle section within the Department of Orthopaedic Surgery has six (soon to be seven) full-time, board-certified physicians, including Department Chairman Dane Wukich, M.D., and Section Chief Michael VanPelt, D.P.M. Other members of the multidisciplinary team are Matthew Johnson, D.P.M.; George Liu, D.P.M.; Katherine Raspovic, D.P.M.; and James Whitfield, D.P.M. Dedicated to the management of diabetic foot pathology with the goal of limb preservation and salvage, the section provides high-quality, comprehensive care to those needing operative and nonoperative foot and ankle care. As a wound care expert, Dr. Raspovic is the lead of Diabetic Limb Salvage and head of the Limb Salvage service line, which is a joint service line at UTSW’s Clements University Hospital between orthopaedic surgery and plastic surgery. The section currently serves four locations: UTSW’s main campus, Parkland Memorial Hospital, the Dallas VA, and UT Southwestern Medical Center at Las Colinas. The section soon will be expanding its services to the UTSW/THR Frisco location, as well, with the addition of our newest faculty member, Kshitij Manchanda, M.D., who is completing his foot and ankle fellowship at Baptist Health in Miami, Florida. Dr. Manchanda previously completed his orthopaedic surgery residency at UT Southwestern. Among its recent clinical focuses, the section has embarked on total ankle replacement for end-stage arthritis with the use of Wright Medical’s Infinity® system. This is based on the consolidated effort to preserve joint mobility for the ankle with one system in practice. This system further incorporates the Prophecy® system from Wright Medical as a 3D-printed template to assist in preoperative planning as well as to reduce operative time.

Scholarly activity

The Foot and Ankle section conducted several noteworthy studies and research activities over the past year. The orthopaedic surgery residents were able to participate in many of these, as well. In one highlighted trial, Drs. Wukich, Liu, Raspovic, and VanPelt collaborated on multicenter outcomes-based research using the Lapiplasty® system for hallux valgus correction. Drs. Liu and Raspovic also presented manuscripts at the annual American College of Foot and Ankle Surgeons (ACFAS) conference.

Education

In order to provide continuous educational opportunities and a positive learning environment, the Foot and Ankle faculty hosts an indications conference every Friday with the residents. These conferences are critical in providing residents the opportunity to analyze the varied foot and ankle cases they will see throughout their career. Drs. VanPelt and Liu continue to teach an ACFAS arthroscopy course, and Drs. Wukich and Raspovic are involved in an industry-sponsored Charcot foot disorder course for diabetic patients to enhance education on prevention.
Clinical activity
The UT Southwestern Medical Center Hand and Upper Extremity section within the Department of Orthopaedic Surgery has four full-time, board-certified faculty. Of those, Rob Bass, M.D., and Tim Schacherer, M.D., currently have elective hand and upper extremity surgical practices at the state-of-the-art UT Southwestern Medical Center at Frisco, where Dr. Bass also serves as Chief Medical Officer. Ann Golden, M.D., has been a pillar of excellence in hand and upper extremity surgical care for the Parkland Health & Hospital System for the past several years. She treats patterns of complex injury presentations, including Level 1 trauma. Dr. Schacherer, too, has a presence at Parkland Memorial Hospital, where he is instrumental in carrying forward the complex derivatives of upper extremity arthroplasty. Daniel Koehler, M.D., currently serves as the Section Chief for the Hand Surgery team, managing all presentations of hand and upper extremity surgical care at UT Southwestern’s main campus in Dallas. Our four faculty surgeons were delighted to welcome physician assistant Morgan Fulwider to the team in April 2021. She significantly enhances patient care services and our overall capacity at UTSW’s main campus.

Scholarly activity
The Hand and Upper Extremity section has continued to demonstrate a productive pattern of scholastic inquiry over the course of the past calendar year. Novel research investigations have focused on patient-related risk factors associated with elective hand surgery, complications following total elbow arthroplasty across a national database, outcomes following delayed surgical management of distal radius fractures, and radiographic outcomes following dorsal bridge plate application. Many of these efforts have been completed in concert with, and spearheaded by, our orthopaedic surgery residents and have resulted in national publications and presentations. Additionally, multiple cadaveric-based investigations have been completed in tandem with our hand surgery colleagues in the Department of Plastic Surgery. Most recently, these studies have evaluated tangential views of the distal radius following volar plate fixation and the effect of forearm pronation on dorsal bridge plate application.

Education
Uniformly, the faculty of the Hand and Upper Extremity section regards the opportunity to teach, learn, and grow alongside the outstanding residents of the UT Southwestern training program as one of our most important responsibilities and privileges. The combination of the Parkland Memorial Hospital hand rotation and the Clements University Hospital/Zale Lipshy Pavilion rotation has established a paradigm in which the residents work intimately with the hand surgery faculty through each of their five training years without exception. This affords a truly longitudinal experience for learning and growth. We also have the continued opportunity to train two hand fellows annually through a combined program with the Department of Plastic Surgery as spearheaded by Doug Sammer, M.D. Further mainstays of our educational efforts include weekly hand indications conferences on Tuesday mornings, scheduled anatomy sessions, and weekly hand didactic lectures on Thursday mornings. The efforts to expand hand and upper extremity knowledge certainly extend beyond our own department as well with invited lectures shared with the Department of Physical Medicine and Rehabilitation, the Department of Plastic Surgery, the Department of Emergency Medicine, and other health care institutions and teams in the Dallas-Fort Worth area.
Disc Arthroplasty With Mobi Disc

Mobi-C® cervical disc | An alternative to fusion

A mid-forties patient who identified herself as a minority female said that for more than a month she’d had neck pain that radiated down her left arm to the fingers, along with numbness and tingling. Her symptoms were so severe she had not slept well during that time and her job was in jeopardy. She failed conservative care treatment, including selective nerve root injection at C5/6 left and multiple medications (Flexeril, Neurontin, hydrocodone). An MRI revealed a 1.5 mm symmetric spur and disk bulge complex at C5/6 with mild thecal sac compression and bilateral uncinate hypertrophy present with left foraminal narrowing at C5/6. The patient was adamantly against cervical fusion as a treatment option. The physical exam revealed a positive Spurling’s on the left with no grip weakness. She was right-hand dominant. Her symptoms of neck pain, left arm and hand pain, left arm and hand paresthesia, and diagnostic studies met the FDA criteria for artificial disc implantation. In fall of 2014, cervical arthroplasty was done using the Zimmer Biomet Mobi-C artificial disc replacement at C5/6, size 15 x 13 x 5. There were no complications, and the patient was sent home that day. She was symptom-free and off medications at two weeks post-op, returned to full-duty work without restrictions at six weeks post-op, and remained symptom-free six years post-op.
Sports Medicine

Clinical activity
The UT Southwestern Medical Center Sports Medicine section within the Department of Orthopaedic Surgery represents a composite of two full-time faculty. Jay Shah, M.D., currently serves as Section Chief, with David Tietze, M.D., also providing care to patients at the main UT Southwestern Medical District and at the UTSW Richardson/Plano location. Maureen Finnegan, M.D., retired from the department in June 2021 after more than 25 years of practice in the field of orthopaedic surgery. The section and the department are grateful for Dr. Finnegan’s years of service and the value she brought to UT Southwestern, along with the outstanding care she provided to her many patients. Christopher McCrum, M.D., left the team at the end of July to continue his sports medicine career outside of UT Southwestern. The entire department looks forward to his future endeavors and is grateful for the outstanding care he provided his patients during his time here.

The team currently provides comprehensive operative and nonoperative care to patients presenting with sports-related injuries and conditions and has partnerships for providing sports medicine care to student athletes in the Irving ISD and at Richardson High School. The section also has current partners in collegiate athletics with the University of Texas at Dallas and Dallas Baptist University. Recently, the section developed a relationship with Fortis Gym to provide comprehensive care to its UFC fighters. This is an exciting clinical opportunity for the section and emphasizes the importance of a clinical relationship with community organizations.

The team offers minimally invasive procedures to patients to enhance recovery time and allow athletes to get back into their respective sports on a shorter timeline. These procedures include but are not limited to stem cell therapy, platelet-rich plasma injections, and arthroscopic surgeries. The section has also begun to identify the potential use of extracorporeal shock wave therapy to treat various tendinopathies in patients.

Scholarly activity
The crux of research within the section focuses on outcomes-based research for minimally invasive procedures, such as bone grafting in ACL tears and examining radiographic parameters for meniscus root tears. This past year, the COVID-19 pandemic greatly affected how athletes would be able to compete in their respective sports. Our sports medicine providers have collaborated with several groups, including cardiology, radiology, and area athletic directors to complete studies on athlete mental health and how to empower athletes to continue playing their sport safely. The section meets on a monthly basis to discuss progress in team members’ research endeavors and to evaluate new and upcoming topics that may be of interest to investigate further.

Education
The Sports Medicine section hosts residents through its sports medicine rotation in order to provide exposure into the various patient care opportunities within the section. Didactic indications and post-surgical correlations conferences are held on a weekly basis for students, residents, and fellows to attend, along with monthly cadaver labs and journal clubs to enhance their training and education. The faculty have also collaborated with internal medicine, family medicine, and emergency medicine by hosting their residents as well. Medical students are also provided with sports medicine preceptors in order to enhance the education they receive through UTSW Medical School.

HOW HAS COVID-19 AFFECTED STUDENT-ATHLETES?

More than 400 college/graduate and high school student-athletes completed a survey about how the COVID-19 pandemic has impacted their student-athlete experience. Here are the results:

- **Report adherence to CDC guidelines regarding the pandemic**
  - **College:** 81%
  - **High School:** 83%

- **Experienced a negative impact of the restrictions on their overall student-athlete experience**
  - **College:** 63%
  - **High School:** 38%

- **Report a negative impact of COVID-19 on mental health**
  - **College:** 38%
  - **High School:** 31%

- **Feel that they will return to sport at a lower level**
  - **College:** 27%
  - **High School:** 29%
Clinical activity

The UT Southwestern Medical Center Orthopaedic Trauma section within the Department of Orthopaedic Surgery has four full-time, board-certified faculty who provide comprehensive care to patients presenting in the emergency room at Parkland Memorial Hospital, which has the busiest ER in North America by patient visits. Led by Section Chief Adam Starr, M.D., the team’s other members are Drew Sanders, M.D.; Ashoke Sathy, M.D.; and our newest member, Ishvinder Grewal, M.D., who recently returned to UT Southwestern after completing the Arbeitsgemeinschaft für Osteosynthesefragen (AO) North America Fellowship at the Florida Orthopaedic Institute. Dr. Grewal was previously an orthopaedic trauma fellow at UTSW, and we’re pleased to welcome him back.

Clinically, the Orthopaedic Trauma faculty continues to provide care to emergent patients presenting general orthopaedic traumas. Providing patient care in the Parkland Emergency Department gives the faculty, residents, and students outstanding opportunities to evaluate and treat high-level, complex trauma patients. Additionally, the department has received a generous gift from the Hansjörg Wyss Medical Foundation, which will greatly impact orthopaedic trauma in the clinical, research, and education spaces.

Scholarly activity

The Orthopaedic Trauma section continues to embark on scholarly activities focused on general and geriatric orthopaedic traumas. This year, the faculty completed studies on novel techniques in pelvic and acetabular fracture stabilizations, as well as outcomes-based studies on the link between patient volumes and outcomes in the pediatric orthopaedic patient population. In collaboration with the residents, Drs. Starr and Sathy have completed studies on trans-sacral screws and the prevention of fixation failure. Alongside this, Dr. Sanders has worked closely with the residents to publish a study on the sizing of cephalomedullary nails in the treatment of geriatric intertrochanteric fractures. These studies produced novel results on the different effects of medical hardware frequently used during orthopaedic trauma cases. The three physicians collaborated together on a study reviewing the efficacy of the anconeus approach to the elbow joint, which allows for greater visualization to address the pathology of the proximal radius, ulna, and distal humerus. This approach is not commonly used but can provide outcomes comparable to other approaches, with the addition of increased visibility.

Education

Parkland Memorial Hospital acts as the cornerstone and foundation of the educational experience for the residents by providing large patient volumes and varied cases for their experience. Dr. Sanders currently serves as the Residency Program Director. The aforementioned Hansjörg Wyss gift will provide annual fellowship support at Parkland, an annual AO fellowship for a senior resident, and many other educational resources for the residents and fellows. In June 2022, the section will begin hosting an annual orthopaedic trauma symposium and has invited speakers from around the world to participate in the event.
Scottish Rite for Children

A Century of Giving Children Back Their Childhood

Founded in 1921, Scottish Rite for Children is a leader in the treatment of pediatric orthopaedic conditions such as scoliosis, clubfoot, hand maladies, hip disorders, sports injuries and fractures, and certain related arthritic afflictions and neurological and learning disorders, such as dyslexia. Patients receive treatment regardless of the family’s ability to pay. There are three locations in North Texas – one in Dallas and two in Frisco – to serve the growing pediatric patient population. U.S. News & World Report has repeatedly recognized Scottish Rite’s achievements, consistently ranking our institution, in conjunction with Children’s Health, among the premier pediatric orthopaedic facilities in the U.S.

Clinical activity

Scottish Rite for Children is a busy pediatric referral center, and it has one of the largest and most experienced pediatric orthopaedic staffs in the country. Led by Chief of Staff Daniel J. Sucato, M.D., M.S., the institution’s success and excellent patient care are closely tied to the collaborative relationship with UT Southwestern Medical Center. In its 100-year history, Scottish Rite has provided pediatric orthopaedic care to more than 325,000 patients from Texas and beyond. In 2020, the organization had 55,000 outpatient visits, received more than 13,000 patient referrals, and performed 2,500 surgeries.

Scholarly activity

The various research divisions at Scottish Rite for Children have made significant strides in discovering the most innovative treatment options for our patient populations. We ask new questions to investigate certain conditions – from the common to the complex – with the goal of advancing the care overall and helping children get back to doing what they love.

Examples of our recently published studies include discovery of genetic factors associated with clubfoot and scoliosis; a novel hinge-link correction system for vertebral column resection; assessment of psychological responses and social distancing on physical activity in children due to the COVID-19 pandemic; correlates of reading intervention outcomes in dyslexia students receiving online instruction; and continued play following adolescent sport-related concussion. We received a grant from the Orthopaedic Research Education Foundation focused on early onset scoliosis. Called the OREF/SRS/POSNA Transform Practice – Spinal Growth grant, the funding provides the opportunity for innovative research and collaboration with researchers from institutions across the country who participate in the Pediatric Spine Study Group.

Education

Scottish Rite for Children provides several areas for medical staff, fellows, residents, and all other staff to continue their education through weekly/monthly conferences, symposiums, visiting professorships, and much more. Our institution is the training ground for the next generation of world-class pediatric orthopaedic physicians through the Dorothy and Bryant Edwards Fellowship in Pediatric Orthopedics and Scoliosis and other fellowship programs. The Edwards yearlong fellowship includes becoming a member of the patient care team and high-level surgical experience, as well as the opportunity to work closely with the research team on a topic of the fellow’s choice. Fellows also complete rotations at Children’s Health, one of only two pediatric Level 1 trauma centers in Texas. Additionally, Scottish Rite welcomes three UTSW orthopaedic residents for six-month rotations that include monthlong sessions paired with one of the staff in a mentorship format, attending clinics and the operating rooms together. At the end of their rotation, the residents complete a research project that is publishable in the literature.


Golden A, Tsiano B. The Effect of Insurance Status on Time to Treatment to Outcomes of Ostial Radius Fractures. [Just cleared IRB.]


Tisano BK, Kelly DP, Starr AJ, Sathy AK. Low Rate of Fixation Failure After Transsacral Screw Fixation of Vertical Shear and Pelvic Ring Injuries. OTA International. 2020 Sep;3(3):e084.


Brandon Ramo, M.D.
The Alarming Level of Pre- and Postoperative Chronic Pain and Anxiety in Adolescent Idiopathic Scoliosis Patients: A Pilot Study
Pediatric Orthopaedic Society of North America (POSNA); virtual

Henry B. Ellis, M.D.; David A. Podeszwa, M.D.; Daniel J. Sucato, M.D.
Association Between Sadness and Symptom Severity in Pediatric and Adolescent Patients With Hip Pain
Pediatric Research in Sports Medicine (PRISM); virtual
Mid-America Orthopaedic Association (NACA); virtual

Shaleen Vira, M.D.
Bone Morphogenetic Protein Usage Decreases the Risk of Reoperations After Anterior Cervical Discectomy and Fusion: A Five-Year Survivorship Analysis
Bone Morphogenetic Protein; virtual

Christine Ho, M.D.
Coccydynia: A Single Center Series of 173 Patients With Mean 5-Year Follow-Up
American Academy of Orthopaedic Surgeons (AAOS); virtual

Harry K. Kim, M.D.
Advancement of Intraosseous Saline Wash and MSC Injection Technique for Treatment of Osteonecrosis
Orthopaedic Research Society (ORS); virtual

Shaleen Vira, M.D.
Assessment of Postoperative Outcomes of Spine Fusion Patients With History of Cardiac Disease
Society for Minimally Invasive Spine Surgery (SMISS) Annual Forum 2020; virtual

Anthony I. Riccio, M.D.; Robert L. Wimberly, M.D.
Botulinum Toxin and Casting May Delay or Prevent Surgery in Spastic Hemiplegic Cerebral Palsy
Pediatric Orthopaedic Society of North America (POSNA); virtual

Jane Chung, M.D.; Shane M. Miller, M.D.
Can Demographics Predict Which Athletes Continue to Play Following a Sport-Related Concussion?
American Academy of Pediatrics (AAP); virtual

Michael Van Hal, M.D.
Can a Multidisciplinary Spine Center Effectively Treat Lumbar Radiculopathy Operatively and Non-Operatively When Triage is Questionnaire?
NASS Spine Week; virtual

Georges Bounajem, M.D.
Challenges in Small Knee Arthroscopy: A Qualitative and Quantitative Pediatric Cadaveric Experience
Pediatric Research in Sports Medicine (PRISM); virtual

Christine Ho, M.D.
Clavicle and AC Joint Injuries
British Orthopaedic Association; virtual

Kevin Gill, M.D.; Shaleen Vira, M.D.
Clinical Outcomes of Coccygectomy for Coccydynia: A Single Center Series of 173 Patients With Mean 5-Year Follow-Up
Society for Minimally Invasive Spine Surgery (SMISS) Annual Forum 2020; virtual
Joel Wells, M.D.
Comparison of Hip Biomechanics for Sloped Walking Using Time-Series Statistical Analysis
American Society of Biomechanics Annual Conference; virtual

Henry B. Ellis, M.D.
A Comparison of Non-Operative and Operative Treatment of Type II Tibial Spine Fractures
Pediatric Orthopaedic Society of North America (POOSNA); virtual

John G. Birch, M.D.; David A. Podeszwa, M.D.
Comparison of the Prediction Accuracy of Lower Extremity Segment Length at Maturity of the Sanders
Pediatric Orthopaedic Society of North America (POOSNA); virtual

Shaleen Vira, M.D.
Complication Rates Following Chiari Malformation Surgical Management for Arnold-Chiari Type 1 Based on Surgical Variables: A National Perspective
35th Annual Meeting of the North American Spine Society (NASS); virtual

Daniel J. Sucato, M.D., M.S.
Complications of the Surgical Treatment of Pediatric High-Grade Spondylolisthesis: A Prospective Multicenter Study
Scoliosis Research Society (SRS); virtual

Ann Golden, M.D.
Complications and Treatment of Metacarpal Fractures
American Society for Surgery of the Hand 2020 Annual Meeting, instructional course; Ft. Lauderdale, FL

Shaleen Vira, M.D.
Concurrent Rates of Peripheral Neuropathy and Cervical Spine Diagnoses: Are PN Patients Being Misdiagnosed/Mistreated?
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Yen-Sheng Lin, Ph.D.
Current Rehabilitation Applications for Shoulder Biomechanics and Imaging
PM&R Grand Rounds, UT Southwestern Medical Center; Dallas, TX

George Liu, D.P.M.
Dealing With Complications
American College of Foot and Ankle Surgeons 78th Annual Scientific Conference; San Antonio, TX

Shaleen Vira, M.D.
Defining Spino-Pelvic Alignment Goals for Adult Spinal Deformity Surgery That Optimize Outcomes by Incorporating Age and Frailty Status: A Step Toward Individualized Medicine
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Shaleen Vira, M.D.
The Deleterious Effects of Frailty on Perioperative Outcomes in Spine Surgery Are Mitigated by Minimally Invasive Techniques
30th Annual Meeting of the North American Spine Society (NASS); virtual

Lawson A. Copley, M.D.
Descriptive Epidemiology of Upper Extremity Septic Arthritis in Children – Review of the CORTICES Database
Pediatric Orthopaedic Society of North America (POOSNA); virtual

European Pediatric Orthopaedic Society (EPOS); virtual

Drew Sanders, M.D.
Diabetes and Tibia Fractures: An Analysis of Time to Union and Outcomes in Proximal, Diaphyseal, and Distal Fractures
Annual AOSSM Meeting 2020; Orlando, FL (canceled)

Katherine Rasovic, D.P.M.
Diabetic Foot Osteomyelitis: When Bone Biopsy Is Not an Option
American Diabetes Association 80th Scientific Sessions; virtual

Katherine Rasovic, D.P.M.
Diabetic Foot Ulcer and Quality of Life
Texas Podiatric Medical Association Annual Southwestern Foot and Ankle Conference; virtual

Dane Wukich, M.D.
The Diagnosis and Treatment of Charcot Neuroarthropathy; Orthopaedic Principles
Orthopaedic Principles Meeting in India; virtual

Shaleen Vira, M.D.
Differential Rates of Perioperative and Postoperative Outcomes in Robot-Assisted Versus Unassisted Elective Lumbar Interbody Fusions
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Paula Hernandez, Ph.D.
Does Chondral Replacement Make Sense, and Where Is the Evidence?
Texas Podiatric Medical Association Annual Southwestern Foot and Ankle Conference; virtual

Shaleen Vira, M.D.
Does Matching Roussouly Spinal Shape and Improvement in SRS-Schwab Modified Contribute to Improved Patient-Reported Outcomes?
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Shaleen Vira, M.D.
Do No Harm: A Retrospective Analysis of the Initial Risk of Complications in Robotic Spine Surgery
Society for Minimally Invasive Spine Surgery (SMISS) Annual Forum 2020; virtual

Henry B. Ellis, M.D.; Phillip L. Wilson, M.D.
Do Not Discount Non-Operative Treatment: Factors Associated With a Successful Closed Reduction of a Tibial Emiinence Fracture
Pediatric Orthopaedic Society of North America (POOSNA); virtual

Anthony I. Riccio, M.D.
Do We Really Need to Worry About Calcaneocuboid Subluxation During Lateral Column Lengthening for Planovalgus Foot Deformity?
Pediatric Orthopaedic Society of North America (POOSNA); virtual

International Limb Lengthening and Reconstruction Society (ILLRS); virtual

Harry K. Kim, M.D.
Do Weight-Bearing and Activity Restriction Treatments Affect Health-Related Quality of Life Measures in Patients With Legg-Calve-Perthes Disease (LCPD)?
UT Southwestern Student Research Forum; Dallas, TX

Pediatric Orthopaedic Society of North America (POOSNA); virtual

108th Annual Clinical Orthopaedic Society Meeting; virtual

Adam Starr, M.D.
DVT/PE Prophylaxis in Critically Ill Trauma
Presented to the ICU Team at Parkland Memorial Hospital; Dallas, TX
Paula Hernandez, Ph.D.
Early Osteoarthritic Changes in Chondrocytes From Patients With Hip Dysplasia
Orthopaedic Research Society (ORS) Hip Dysplasia and Other Structural Hip Disorders Research Interest Group; virtual

Shaleen Vira, M.D.
Effect of Osteoporosis and Bisphosphonate on Reoperations in Adult Spinal Deformity
35th Annual Meeting of the North American Spine Society (NASS); virtual

Michael Van Hal, M.D.
Effect of Pharmacologic Prophylaxis on VTE and Hematoma Rates
Clinical Orthopaedic Society Annual Meeting; virtual

Daniel Koehler, M.D.
The Effect of Smoking on Short-Term Postoperative Complications After Elective Surgery of the Hand
American Society for Surgery of the Hand Annual Meeting: San Antonio, TX

Am Golden, M.D.; Daniel Koehler, M.D.
Effect of Diabetes and Hemoglobin A1c on Complications Following Elective Hand Surgery
American Academy of Orthopaedic Surgeons Annual Meeting; Orlando, FL

Anthony I. Riccio, M.D.
The Effect of Lateral Column Lengthening on Subtalar Motion: Are We Trading Deformity for Stiffness?
International Limb Lengthening and Reconstruction Society (ILLRS); virtual
American Orthopaedic Foot and Ankle Society (AOFAS); virtual

Shaleen Vira, M.D.
Enhanced Utility With Greater Number of Levels Treated for Patient-Specific, Pre-Contoured Rods in Posterior Cervical Fusion
35th Annual Meeting of the North American Spine Society (NASS); virtual
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Shaleen Vira, M.D.
The Epidemiology of Tibial Spine Fractures in Children: A Multicenter Investigation
Pediatric Research in Sports Medicine (PRISM); virtual

Henry B. Ellis, M.D.
Femoral Tunnel Fixation for Medial Patellofemoral Ligament Reconstruction in the Growing Patient Is Safe for Future Growth
Texas Orthopaedics Association Annual Meeting; virtual

Breanna Tisano, M.D.
Femoral Tunnel Fixation for Medial Patellofemoral Ligament Reconstruction in the Growing Patient Is Safe for Future Growth
Arthroscopy Association of North America (AANA); virtual

Phillip L. Wilson, M.D.
Femoral Tunnel Fixation for Medial Patellofemoral Ligament Reconstruction in the Growing Patient Is Safe for Future Growth
Arthroscopy Association of North America (AANA); virtual

Dustin Rinehart, M.D.
Financial Burden of Revision Total Hip Arthroplasty in the Geriatric Patient
Park Cities Hip and Knee Symposium; virtual

Shaleen Vira, M.D.
Frailty Does Not Negatively Affect Cost Utility in Adult Spinal Deformity
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Shaleen Vira, M.D.
Frequency and Implications of Concurrent Complications Following Adult Spinal Deformity Corrective Surgery
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Georges Bounajem, M.D.
Femoral Head Size in Total Hip Arthroplasty
Orthopaedic faculty and fellows seminar at Massachusetts General Hospital; Boston, MA

Henry B. Ellis, M.D.; Phillip L. Wilson, M.D.
Femoral Tunnel Fixation for Medial Patellofemoral Ligament Reconstruction in the Growing Patient Is Safe for Future Growth
Pediatric Research in Sports Medicine (PRISM); virtual
Mid-America Orthopaedic Association (MAOA); virtual

Anthony I. Riccio, M.D.
Functional Implications of the Flat-Topped Talus Following Treatment of Idiopathic Clubfoot Deformity
Pediatric Orthopaedic Society of North America (POSNA); virtual
International Limb Lengthening and Reconstruction Society (ILLRS); virtual
Shaleen Vira, M.D.
Impact of Congestive Heart Failure on Patients Undergoing Spinal Surgery
Society for Minimally Invasive Spine Surgery (SMISS) Annual Forum 2020; virtual

Holt Cutler, M.D.; Drew Sanders, M.D.; Ashoke Sathy, M.D.; Adam Starr, M.D.
Increased Articular Exposure of the Lateral Elbow Joint With the Anconeus Approach Compared to the Kocher Approach: A Cadaver Study
Texas Orthopaedic Association Annual Conference; San Antonio, TX

Holt Cutler, M.D.
Increased Articular Exposure of the Lateral Elbow Joint With the Anconeus Approach Compared to the Kocher Approach: A Cadaver Study
ORIF Texas Regional Resistant Research Meeting; virtual

Shaleen Vira, M.D.
The Inherent Value of Preoperative Optimization: Absolute and Incremental Reduction in Components of Metabolic Syndrome Can Enhance Recovery and Minimize Perioperative Burden
35th Annual Meeting of the North American Spine Society (NASS); virtual

Drew Sanders, M.D.
Internal Joint Stabilizer: A Safe Treatment for Traumatic Elbow Instability
Orthopaedic Trauma Association; Nashville, TN

Dane Wukich, M.D.
Intra-Articular Fractures of the Calcaneus: Classification and Management Principles
Orthopaedic Principles Meeting in India; virtual

Daniel J. Sucato, M.D., M.S.
Intraoperative Hypothermia Reduction in Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: A Multidisciplinary Quality Value Safety Initiative (QVSI)
Pediatric Orthopaedic Society of North America (POSNA); virtual

Harry K. Kim, M.D.
Ossification in a Piglet Model of Perthes Disease
Pediatric Orthopaedic Society of North America (POSNA); virtual

George Liu, D.P.M.
Is It Worth It? Surgery in Contemporary Time
American College of Foot and Ankle Surgeons 78th Annual Scientific Conference; San Antonio, TX

Anthony I. Riccio, M.D.
Is the Lateral Cuneiform Large Enough to Support Interference Screw Fixation for Tibialis Anterior Tendon Transfer in Children Aged 3 to 6 Years?
Pediatric Orthopaedic Society of North America (POSNA); virtual

George Liu, D.P.M.
Joint Depression Fractures of the Calcaneus: Are We Really Making a Difference?
Midwest Academic Pediatric Residency Training Program; Foot and Ankle Conference Series
UT Southwestern Medical Center; Dallas, TX
Harvard Lecture Series; virtual

Lawson A. Copley, M.D.
The Known Challenges and Hidden Costs of Vancomycin Use During the Treatment of Methicillin-Resistant Staphylococcus Aureus Bacteremia in Children With Acute Hematogenous Osteomyelitis
European Society for Paediatric Infectious Diseases; virtual

Lori A. Karol, M.D.; Amy L. McIntosh, M.D.
Lack of In-Brace X-Rays in Compliant AIS Patients Wearing Full-Time TLSO Braces: Associates With Failure
Texas Orthopedic Association; virtual

Amy L. McIntosh, M.D.
Lack of In-Brace X-Rays in Compliant AIS Patients Wearing Full-Time TLSO Braces: Associates With Failure
International Meeting on Advanced Spine Techniques (IMAST); virtual

Henry B. Ellis, M.D.; David A. Podeszwa, M.D.; Daniel J. Sucato, M.D.
Larger CAM Lesion Is Associated With Severity of Labral Disease in the Adolescent Patient
International Society for Hip Arthroscopy (ISHA); virtual
American Academy of Pediatrics (AAP); virtual

Daniel J. Sucato, M.D., M.S.
Late Hip Dysplasia After Normal Ultrasound in Breech Babies: Implications on Surveillance Recommendations
American Academy of Pediatrics (AAP); virtual

Henry B. Ellis, M.D.; Phillip L. Wilson, M.D.
Lateral Elbow Overuse Injuries in Pediatric Female Gymnasts: A Comparison of Radial Head Stress Fractures and Capitellar OCD
Mid-America Orthopaedic Association (MAOA); virtual

European Society for Paediatric Infectious Diseases; virtual

American Orthopaedic Society for Sports Medicine (AOSMM); virtual

Arthroscopy Association of North America (AANA); virtual

Shaleen Vira, M.D.
Health-Related Quality of Life Measures in Adult Spinal Deformity: Can We Replace the SRS-22 With PROMIS?
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

The Known Challenges and Hidden Costs of Vancomycin Use During the Treatment of Methicillin-Resistant Staphylococcus Aureus Bacteremia in Children With Acute Hematogenous Osteomyelitis
European Society for Paediatric Infectious Diseases; virtual

Lori A. Karol, M.D.; Amy L. McIntosh, M.D.
Lack of In-Brace X-Rays in Compliant AIS Patients Wearing Full-Time TLSO Braces: Associates With Failure
Texas Orthopedic Association; virtual

Amy L. McIntosh, M.D.
Lack of In-Brace X-Rays in Compliant AIS Patients Wearing Full-Time TLSO Braces: Associates With Failure
International Meeting on Advanced Spine Techniques (IMAST); virtual

Henry B. Ellis, M.D.; David A. Podeszwa, M.D.; Daniel J. Sucato, M.D.
Larger CAM Lesion Is Associated With Severity of Labral Disease in the Adolescent Patient
International Society for Hip Arthroscopy (ISHA); virtual
American Academy of Pediatrics (AAP); virtual

Daniel J. Sucato, M.D., M.S.
Late Hip Dysplasia After Normal Ultrasound in Breech Babies: Implications on Surveillance Recommendations
American Academy of Pediatrics (AAP); virtual

Henry B. Ellis, M.D.; Phillip L. Wilson, M.D.
Lateral Elbow Overuse Injuries in Pediatric Female Gymnasts: A Comparison of Radial Head Stress Fractures and Capitellar OCD
Mid-America Orthopaedic Association (MAOA); virtual

American Orthopaedic Society for Sports Medicine (AOSMM); virtual

Arthroscopy Association of North America (AANA); virtual
Lawson A Copley, M.D.
Surgical Management of Children With Osteomyelitis: Results From the CORTICES Multicenter Database
Pediatric Orthopaedic Society of North America (POSNA); virtual

Matthew Johnson, D.P.M.
Surgical Options to Heal Diabetic Foot Ulcers
Cardiovascular Innovations 2020; Denver, CO

Dane Wukich, M.D.
Surgical Treatment of Ankle and Hindfoot of Charcot Neuroarthropathy, Orthopaedic Principles
Orthopaedic Principles, India; virtual

Katherine Raspovic, D.P.M.
Systematic Review of Surgical Outcomes Using Intramedullary Fixation for Midfoot Charcot Reconstruction
Oral Abstract Presentation, Diabetic Foot Study Group Meeting of the European Association for the Study of Diabetes; virtual

Georges Bounajem, M.D.
Total Knee Arthroplasty in the Valgus Knee
Orthopaedic faculty and residents seminar at Newton-Wellesley Hospital; virtual

Henry B. Ellis, M.D.
Treatment Complications of Ankle Sprains and Salter-Harris 1 Distal Fibula Fractures: A POSNA Survey
Pediatric Research in Sports Medicine (PRSM); virtual

Christine Ho, M.D.
Treatment of Flexion-Type Supracondylar Humerus Fractures in Pediatric Patients
Federation of European Societies for Surgery of the Hand 2020 Congress; virtual
American Society for Surgery of the Hand (ASSH); virtual

Anthony I. Riccio, M.D.
Treatment and Outcomes of Clubfoot Associated With Amniotic Band Syndrome
Pediatric Orthopaedic Society of North America (POSNA); virtual

Shaleen Vira, M.D.
Trends in Robotic Spine Surgery: A Six-Year Analysis of Morbidity and Mortality
27th International Meeting on Advanced Spine Techniques (IMAST); virtual

Shaleen Vira, M.D.
35th Annual Meeting of the North American Spine Society (NASS); virtual

John G. Birch, M.D.; Karl E. Rathjen, M.D.
Trust Your Instincts (But Don’t Bet the Bank) When Referring Pediatric Patients for Spinal MRI
American Academy of Orthopaedic Surgeons (AAOS); virtual

Ann Golden, M.D.
Unforced Errors: Violation of KISS Principle
Hansjörg Wyss Orthopaedic Trauma Symposium; Dallas TX

Robert L. Wimberly, M.D.
Use of Motion Analysis to Identify and Treat Patients With Hereditary Spastic Paraplegia
American Academy for Cerebral Palsy and Developmental Medicine (IACPDM) 74th Annual Meeting; virtual

Brandon Ramo, M.D.
Validation of the Early Onset Scoliosis Questionnaire (EOSQ) as Applied to the Classification of Early Onset Scoliosis (C-EOS) Etiology Designation Before Scoliosis Treatment
Pediatric Orthopaedic Society of North America (POSNA); virtual

Christine Ho, M.D.
Variation Amongst Pediatric Orthopedic Surgeons in the Use of Preoperative Antibiotics in Percutaneous Pinning Procedures of the Upper Extremity
American Society for Surgery of the Hand (ASSH); virtual

Lawson Copley, M.D.
Who Will Need a Second Surgery? – A Study of Cases of Isolated Septic Arthritis From the CORTICES Database
Canadian Orthopaedic Association (COA); virtual

George Liu, D.P.M.
Why Join TPMA?
Texas Podiatric Medical Association (TPMA) Young Members Lecture Series; virtual

Daniel J. Sucato, M.D., M.S.
A Wireless Intraoperative Neuromonitoring System Is as Reliable and Accurate as the Traditional Wired Systems for AIS Surgery
Scoliosis Research Society (SRS); virtual

Christine Ho, M.D.
What is the Value of Nonsurgical Interventions in the Treatment of Pediatric Ganglion Cysts?
Pediatric Orthopaedic Society of North America (POSNA); virtual

Paula Hernandez, Ph.D.
What Makes Bone Healing Difference in Diabetes?
Texas Podiatric Medical Association Southwest Foot and Ankle Conference; virtual

Brandon Ramo, M.D.
What’s It Worth? Growth-Friendly Surgery Results in More Growth but a Higher Complication Rate and Unplanned Returns to the Operating Room Compared to Single Fusion in Juvenile Neuromuscular Scoliosis
Pediatric Orthopaedic Society of North America (POSNA); virtual