Pediatric Orthopaedic Surgery Fellowship

at Shriners Hospitals for Children — Northern California & UC Davis Children’s Hospital
Dear future colleague,

Congratulations on choosing the best orthopaedic subspecialty, one that will undoubtedly engage and inspire for your entire career! Many would aptly describe pediatric orthopaedic surgery as a calling rather than a career. You will certainly find that spirit embodied in our faculty at the Pediatric Orthopaedic Surgery Fellowship at Shriners Hospitals for Children — Northern California and UC Davis Children’s Hospital.

Our Pediatric Orthopaedic Program was recognized among the top 10 in the nation and the No. 1 program in Northern California in 2019. Our diverse group of faculty surgeons is committed to education, engaged in providing life-long mentorship, and dedicated to improving musculoskeletal care for all children. The fellowship will provide you with both the breadth and depth of this amazing field, and give you the tools to make critical surgical decisions for complex clinical situations. Each week, you’ll have five hours of dedicated pediatric orthopaedic education through conferences, journal clubs, and lectures. A well-staffed clinical research division with a highly productive motion analysis center will give you resources to do meaningful research. Most importantly, you’ll have the flexibility to seek out your educational path as the year progresses through a fluid rotation schedule and ample elective time. We hope to welcome you to our fellowship program!

Sincerely,

Vedant Kulkarni, M.D.
Director, Pediatric Orthopaedic Surgery Fellowship
Pediatric Orthopaedic Surgery Fellowship

at Shriners Hospitals for Children — Northern California & UC Davis Children’s Hospital

The Pediatric Orthopaedic Surgery Fellowship at Shriners Hospitals for Children — Northern California and UC Davis Children’s Hospital offers an in-depth, hands-on exposure to all aspects of pediatric orthopaedics across both high-volume centers. A flexible schedule allows for dividing time between complex elective pediatric orthopaedics and spine surgery at Shriners Hospitals for Children — Northern California, and elective and urgent pediatric orthopaedics at UC Davis Children’s Hospital and its level I Trauma Center.

Fellows gain expertise in:
- General pediatric orthopaedics
- Pediatric and young adult sports
- Young adult hip preservation
- Trauma and fractures
- Early onset, congenital, and adolescent spinal deformity
- Cerebral palsy and gait analysis
- Spina bifida and neuromuscular orthopaedics
- Limb deficiency and prosthetics
- Upper extremity and brachial plexus birth palsy

Fellows have graduated responsibility during the year, gaining independence in the clinic and the operating room. Fellows receive in-depth instruction in the Motion Analysis Lab at Shriners Hospitals for Children — Northern California and participate in weekly didactic conferences. The fellows participate in the education of the four orthopaedic surgery residents, and also contribute to active clinical and basic science research projects. The fellowship program will impart life-long enthusiasm for learning, practicing, and teaching pediatric orthopaedics and prepare the fellow for a career in academic pediatric orthopaedics.

Fellowship Applications

The Pediatric Orthopaedic Surgery Fellowship is 12 months in duration, beginning August 1 and ending July 31 the following year. One fellow per year will be accepted through the Pediatric Orthopaedic Fellowship Match. Compensation is commensurate with a PGY-6 salary with excellent benefits. Upon acceptance to the fellowship through the SF Match, our fellowship coordinator will guide future fellows through the process of obtaining an unrestricted California medical license and a California Fluoroscopy Supervisor and Operator Permit prior to the start of the fellowship year.
Educational Conferences

The Shriners Hospitals for Children — Northern California and UC Davis Children’s Hospital Pediatric Orthopaedic Surgery Fellowship offers an in-depth, hands-on exposure to all aspects of pediatric orthopaedics. Educational conferences include:

- **Pre-operative Pediatric Orthopaedic Conference** *(1 hour, Weekly)*: The fellow participates in preparation and presentation of pediatric orthopaedic cases, and actively discusses indications and surgical strategy with all faculty present. Residents and the fellow divide responsibility for discussing cases, and discussion of cases is at a level appropriate for fellowship training.

- **Post-operative Pediatric Orthopaedic Conference** *(1 hour, Weekly)*: All pediatric orthopaedic surgical cases of the week are presented by the fellow and residents.

- **Motion Lab Interpretations** *(2 hours, Weekly)*: Fellows are encouraged to attend interpretations of gait analysis. The Motion Analysis Center performs 6 full 3D gait analysis studies per week, and the cases are reviewed with pediatric orthopaedic surgeons weekly.

- **Pediatric Core Curriculum Lectures** *(1 hour, Twice Weekly)*: Faculty present in-depth lectures on pediatric orthopaedic topics on a rotating schedule.

- **Spine Preoperative and Postoperative Conference** *(1 hour, Twice Monthly)*: All pediatric spinal deformity cases are discussed at this conference by pediatric orthopaedic and spine surgery faculty, fellows, and residents, with discussion at a level appropriate for fellowship training.

- **Morbidity and Mortality Conference** *(1 hour, Monthly)*: All cases are presented by faculty of all surgical subspecialties, with fellows participating in the discussion.

- **Faculty Journal Club** *(1 hour, Monthly)*: The faculty will assign current articles for presentation by the fellow and residents.

- **Fellow Journal Club** *(1 hour, Monthly)*: The fellow chooses a topic for discussion with guidance from faculty, chooses and assigns articles for presentation, and leads the discussion of each article.

- **Orthopaedic Surgery Grand Rounds** *(1 hour, Pediatric Topics Monthly)*: Local and invited faculty present on topics relevant to pediatric orthopaedic fellows and faculty. Fellows present a topic of their choosing (1 hour) once during their fellowship.
Fellowship Alumni

2009 - 2010  Teresa Ferguson
             Kaiser Permanente Medical Center, Roseville, California

2010 - 2011  Lisa Maskill
             Helen DeVos Children’s, Grand Rapids, Michigan

2011 - 2012  Margaret Grisell
             Kaiser Permanente Medical Center, Modesto, California

2012 - 2013  Thu-Ba Leba
             Valley Children’s Hospital, Madera County, California

2013 - 2014  Jessica McMichael
             Children’s Hospital Orange County, Orange, California
             Emily Andrisevic
             Phoenix Children’s Hospital, Phoenix, Arizona

2014 - 2015  Jill Friebele
             Valley Children’s Hospital, Madera County, California

2015 - 2016  Glenn Reinhart
             Advocate Health Care, Chicago, Illinois
             Sean Tabaie
             Children’s National Medical Center, Washington, D.C.

2016 - 2017  Aaron Boyles
             Children’s Hospital Colorado Group
             Colorado Springs, Colorado

2017 - 2018  Matthew Brown
             Banner Health, Phoenix, Arizona

2019 - 2020  Vanna Rocchi
             Naval Medical Center Portsmouth, Portsmouth, Virginia
“I have stayed in touch with everyone and continue to ask for their opinions on difficult cases. This fellowship was also a good balance of mentorship and independence.”

— Jill Fribele, 2014-2015 Fellow

“The fellowship gave me the best pediatric experience while meshing well with my previous fellowship in sports. I wanted the fellowship to be spent experiencing the breadth and depth of pediatric orthopedics. The Peds Ortho Fellowship allowed me to step in and spool up a practice almost immediately.”

— Matt Brown, 2017-2018 Fellow

“I was initially attracted to the program because of the combination of the complex patients that Shriners seems to attract along with the complexity of trauma that a level 1 trauma center provides. My fellowship prepared me extremely well for the diverse pathology that I encounter in my practice in Colorado. I have a true general pediatric orthopedic practice and feel comfortable treating the diverse pathology I encounter.”

— Aaron Boyles, 2016-2017 Fellow
Pediatric Orthopaedic Surgery Faculty

**Joel Lerman, M.D.,** is an Orthopaedic Surgeon for Shriners Hospitals for Children — Northern California and Associate Professor in the Department of Orthopedic Surgery at UC Davis School of Medicine. An honors graduate of Stanford University School of Medicine, Dr. Lerman practiced at Shriners Hospitals for Children — Houston and was Assistant Professor of Orthopedic Surgery at Baylor College of Medicine before relocating to Northern California. Board certified by the American Board of Orthopedic Surgery and the National Board of Medical Examiners, Dr. Lerman is also licensed by The Medical Board of California, the Texas State Board of Medical Examiners, and the Arizona Board of Medical Examiners. Dr. Lerman's professional affiliations include the Association of Children's Prosthetics and Orthotics Clinics, the American Academy of Orthopedic Surgeons, the Pediatric Orthopedic Society of North America, and the Scoliosis Research Society.

**Credentials**
- Medical Degree, Stanford University School of Medicine
- Residency, Maricopa Medical Center, Orthopedics
- Fellowship, Children's Hospital in Boston, Pediatric Orthopaedic Surgery

**Jennette Boakes, M.D.,** is a pediatric orthopaedic surgeon whose practice includes congenital and acquired limb deformity, club foot and foot deformity, congenital hip dysplasia, scoliosis and fracture care as well as surgical reconstruction for these conditions. Dr. Boakes has special expertise in limb lengthening and guiding growth to correct limb deformity. Areas of research interest to Dr. Boakes include muscle strength recovery following lower extremity surgery and planning deformity correction by growth manipulation. Dr. Boakes is a Fellow of the American Academy of Orthopaedic Surgeons, a member of the Pediatric Orthopedic Society of North America, and Shands Circle, Orthopaedic Research and Education Foundation. She was a member of the 2008 Team USA Aquathlon team.

**Credentials**
- Medical Degree, University of California, San Diego
- General Surgery Internship, David Grant USAF Medical Center
- Orthopaedic Surgery Residency, University of Utah Medical Center
- Pediatric Orthopaedic Fellowship, UC Davis Medical Center

**Jon R. Davids, M.D.,** Assistant Chief of Orthopaedics at Shriners Hospitals for Children — Northern California, is an internationally recognized pediatric orthopaedic surgeon noted for his work in treating children with cerebral palsy. He served as Clinical Professor of Orthopaedic Surgery at Duke University Medical Center, the University of South Carolina School of Medicine, and as Chief of Staff at Shriners Hospitals for Children — Greenville, prior to his appointment at Shriners Hospitals for Children — Northern California in August 2011.

Dr. Davids graduated Magna Cum Laude from Brown University before earning his Doctor of Medicine at Harvard University, where he was a member of the Aesculapian Club and President of the Harvard Chapter of the American Medical Students Association. He completed his Residency in Orthopaedic Surgery at the University of Colorado Affiliated Hospitals and a Fellowship in Pediatric Orthopaedics at Children's Hospital and Health Center at the University of California, San Diego. Dr. Davids is a member of the Pediatric Orthopaedic Society of North America, International Pediatric Orthopaedic Think Tank, the American Orthopaedic Association, the American Academy of Orthopaedic Surgeons, the American Board of Orthopaedic Surgeons, Gait & Clinical Movement Analysis Society, and the American Academy of Cerebral Palsy and Developmental Medicine.

**Credentials**
- Medical Degree, Harvard University, Cambridge, Massachusetts
- Residency, University of Colorado Affiliated Hospitals, Orthopaedic Surgery
- Fellowship, University of California, San Diego, Pediatric Orthopaedics
Vedant Kulkarni, M.D., serves as Director of Pediatric Orthopaedic Surgery Fellowship in Northern California. His work is devoted to treating children with all types of orthopaedic conditions and injuries, including hip, lower extremity, and foot deformities. He has a special interest in neuromuscular disorders such as cerebral palsy and is part of the multidisciplinary Cerebral Palsy Center of Excellence, using computerized motion analysis to improve outcomes with surgery.

He has presented his research nationally and published scientific articles in multiple peer-reviewed international medical journals. He is a Fellow of the American Academy of Orthopaedic Surgeons, Pediatric Orthopaedic Society of North America, and the American Academy of Cerebral Palsy and Developmental Medicine. He has been awarded the MacKeith Press Promising Career Award and the Fred P. Sage Award by the American Academy for Cerebral Palsy and Developmental Medicine. He is an Assistant Clinical Professor of Orthopaedic Surgery at UC Davis School of Medicine.

**Credentials**
- Medical Degree, Stanford University School of Medicine
- Orthopaedic Surgery Residency and Research Fellowship, UC San Diego Medical Center
- Pediatric Orthopaedics and Scoliosis Fellowship, Texas Scottish Rite Hospital for Children

Brian Haus, M.D., is a Pediatric Orthopedic Surgeon and Sports Medicine Specialist with Shriners Hospitals for Children — Northern California. Dr. Haus is a native of Sacramento and is dedicated to providing world-class care to children in Northern California. He specializes in pediatric and adolescent sports medicine, pediatric trauma, arthroscopy, and joint preservation. He has extensive experience in treating children with sports injuries of the hip/shoulder/ knee/ankle using open and arthroscopic techniques, including cartilage restoration. He also performs hip preservation surgery in adolescents with hip disorders, including hip arthroscopy, periacetabular osteotomy and open surgical dislocation. In addition to his appointment at Shriners Hospitals for Children — Northern California, Dr. Haus is an Assistant Professor of Orthopaedic Surgery at UC Davis School of Medicine.

**Credentials**
- Medical Degree, Stanford University
- Residency, Harvard Combined Orthopaedic Residency Program, Orthopedic Surgery
- Fellowship, Boston Children’s Hospital/Harvard Medical School, Pediatric Sports Medicine
- Fellowship, Boston Children’s Hospital/Harvard Medical School, Pediatric Orthopaedic Surgery

Debra Templeton, M.D., is an Orthopaedic Surgeon at Shriners Hospitals for Children — Northern California. Dr. Templeton focuses exclusively on pediatric orthopaedics, which includes reconstruction, scoliosis, sports, and trauma. She has served as a consultant editor for the *Journal of Bone and Joint Surgery* and the *Journal of the American Academy of Orthopedic Surgeons*. As a fellow, she received the Boone Pickens Outstanding Fellow Research Award.

She also was awarded the Wyeth Resident Research Award. While in medical school, Dr. Templeton was a Member of the United States Olympic Development Track and Field Team and received the United States Olympic Committee Scholar Athlete Award. Dr. Templeton is actively involved in pediatric trauma care at UC Davis Children’s Hospital. She serves as a member of the Pediatric Multidisciplinary Trauma Committee and the Pediatric Trauma Quality Control Committee. Dr. Templeton is a Fellow of the American Academy of Orthopedic Surgeons, and a member of the Pediatric Orthopedic Society of North America, for which she has served on several national committees.

**Credentials**
- Medical Degree, University of California, San Diego School of Medicine
- Residency, Fort Worth Affiliated Hospitals, Orthopedic Surgery
- Fellowship, Texas Scottish Rite Hospital for Children, Pediatric Orthopaedics in Scoliosis
Candice McDaniel, M.D., is a board-certified orthopaedic surgeon at Shriners Hospitals for Children — Northern California and a Clinical Assistant Professor at UC Davis School of Medicine.

Dr. McDaniel has published in leading peer-reviewed journals and was selected for the Clinician Scientist Development Program by the American Academy of Orthopaedic Surgeons. She is an active member of several professional organizations including the Pediatric Orthopedic Society of North America and the American Academy of Orthopaedic Surgeons. She has also served in leadership roles in the American Medical Association, serving as an Alternate Delegate to the AMA's House of Delegates, on the AMA's Council on Legislation, and in the Women Physicians Congress.

Dr. McDaniel grew up in Southern California, where her father served in the Navy and her mother was a public school teacher. She now lives in the Sacramento area with her husband and 4 children. Most of her free time is spent supporting her children's many activities, which include competitive downhill skiing, snowboarding, swimming, figure skating, ice hockey, lacrosse, chess, and dance.

Credentials
• Medical Degree, UC Irvine School of Medicine
• Orthopedic Surgery Residency, The Medical College of Virginia
• Pediatric Orthopedic Surgery Fellowship, Shriners Hospitals for Children — Portland

Holly Leshikar, M.D., M.P.H., is a fellowship trained pediatric orthopaedic surgeon at Shriners Hospitals for Children — Northern California and an assistant professor at UC Davis School of Medicine. She enjoys treating the musculoskeletal conditions of children of all ages. She has a special interest in pediatric trauma, pediatric hip conditions, post-traumatic conditions, congenital anomalies and is part of a multidisciplinary team that is devoted to excellence in clinical care and research.

Dr. Leshikar is actively involved in teaching. She has authored multiple book chapters and has published several peer-reviewed scientific articles. She has been awarded multiple honors including the Reno Orthopedic Clinic Trauma Award, Global Mentor Scholar Award from AAP, Resident Mentorship Award, and the David R. Freedy Memorial Award.

Credentials
• Medical Degree, Vanderbilt University School of Medicine
• Residency, UC Davis Medical Center
• Fellowship, Monroe Carroll Jr. Children’s Hospital at Vanderbilt, Pediatric Orthopaedics

Nicole Friel, M.D., M.S., is an Orthopaedic Surgeon at Shriners Hospitals for Children — Northern California. Dr. Friel specializes in pediatric and adolescent orthopaedic sports medicine, taking care of non-operative and operative problems, including performing arthroscopic and open procedures on the knee, shoulder, elbow, and hip. On the academic front, she has authored multiple peer-reviewed manuscripts in major orthopedic and sports medicine journals and also numerous book chapters. She loves teaching medical students and residents who aspire to be successful physicians. Dr. Friel enjoys taking care of all her patients but most especially athletes. She has served as the team physician for multiple high school and collegiate teams as well as assisting in the care of professional teams including the Pittsburgh Penguins, Chicago White Sox, and Chicago Bulls. Her primary goal is to find the best way to return her young patients to being active and healthy.

Credentials
• Doctorate of Medicine, Rush Medical College, Rush University Medical Center
• Masters of Science, Anatomy and Cell Biology, Rush Graduate College, Rush University Medical Center
• Orthopaedic Surgery Residency, University of Pittsburgh Medical Center
• Orthopaedic Sports Medicine Fellowship, Rush University Medical Center
Pediatric Hand Surgery Faculty

The Upper Extremity Service at Shriners Hospitals for Children — Northern California is internationally recognized for its expertise in congenital and neuromuscular upper extremity differences. Pediatric Orthopaedic Surgery Fellows can work with these attendings during elective rotations.

Michelle A. James, M.D., is Chief of Orthopaedic Surgery at Shriners Hospitals for Children – Northern California and Chief of Pediatric Orthopaedics in the Department of Orthopaedic Surgery at UC Davis Medical Center. Specializing in the treatment of children's hand and arm conditions, including malformations and neuromuscular problems, Dr. James is a noted Pediatric Hand Surgeon. Dr. James serves on the Board of Directors of the American Board of Orthopedic Surgeons, The Perry Initiative, and Orthopaedics Overseas. She is Deputy Editor for Hand and Upper Extremity for the Journal of Bone and Joint Surgery. She is also Principal Investigator on two multi-center clinical research studies of hand function in children and has published numerous papers in peer-reviewed journals, as well as contributing to chapters in surgical textbooks.

Dr. James has worked for Shriners Hospitals for Children — Northern California since 1989. She is a Clinical Professor of Orthopaedic Surgery at UC Davis School of Medicine and UC San Francisco. Her professional affiliations include the American Academy of Orthopaedic Surgeons, the American Society for Surgery of the Hand, the Pediatric Orthopaedic Society of North America, the American Orthopaedic Association, and the Ruth Jackson Society, for which she served as President in 2012.

Dr. James organizes and attends a pediatric hand surgery service trip to a pediatric hospital in Managua, Nicaragua twice per year, and has served as a mentor for many pre-medical and medical students and orthopaedic surgery residents.

Credentials
- Medical Degree, University of California, San Diego
- Residency, UCSF School of Medicine
- Fellowship in Hand Microsurgery, Indiana Hand Center

H. Relton McCarroll, Jr., M.D., is an Orthopaedic Surgeon at Shriners Hospitals for Children — Northern California and a Clinical Professor of Orthopedic Surgery at UCSF School of Medicine. In addition to his current medical duties, Dr. McCarroll assists and participates in the training of Orthopedic Residents in Hand and Upper Extremity Orthopedics during their rotations through Shriners Hospitals for Children – Northern California. He also assists and participates in the training of Fellows in Shoulder and Upper Extremity Orthopedics. Board certified by the American Board of Orthopedic Surgery, with an Added Qualification in Surgery of the Hand, Dr. McCarroll received his medical degree from Columbia University, College of Physicians and Surgeons. He completed a Fellowship in Hand Surgery with Dr. D.C. Riordan in New Orleans and has additional medical training at various Hand Centers in England, Scotland, and Europe. He is also a Licentiate for the California State Board of Medical Quality Assurance and the Missouri State Board of Medical Examiners. Dr. McCarroll's professional affiliations include the American Academy of Orthopedic Surgeons, the American College of Surgeons, the American Society for Surgery of the Hand, and the British Society for Surgery of the Hand. He has presented and published widely on the subject of Orthopedics, particularly in hand and upper extremity issues.

Credentials
- Medical Degree, Columbia University, College of Physicians and Surgeons
- Residency, Barnes and Allied Hospitals, Orthopedics
- Residency, Campbell Clinic, Orthopedic Surgery
- Residency, Shriners Hospitals for Children — St. Louis, Orthopaedic Surgery
- Fellowship, Dr. D.C. Riordan, Hand Surgery
Orthopaedic Spine Surgery Faculty

The The UC Davis Medical Center Spine Surgery Service has an active clinical and teaching practice at Shriners Hospitals for Children — Northern California. Pediatric Orthopaedic Surgery Fellows can work with these attendings during their Shriners Hospitals for Children — Northern California Spine Surgery rotation.

Rolando F. Roberto, M.D., is the Chief of Spine Service and Executive Vice Chair of the Department of Orthopaedic Surgery at The UC Davis Medical Center. Dr. Roberto received his M.D. from UC Irvine School of Medicine and completed his Orthopaedic Surgery Residency from University of Illinois in Chicago. He then completed a Spine Surgery Fellowship from the Minnesota Spine Center in Minneapolis. He is a Professor of Orthopaedic Surgery.

Eric O. Klineberg, M.D., is Co-Director of the Spine Center at UC Davis Medical Center. Dr. Klineberg received his M.D. and M.S. from University of Maryland and completed his Orthopaedic Surgery Residency from University of Washington in Seattle. He then completed the Combined Neurological and Orthopaedic Surgery Spine Fellowship from Cleveland Clinic. He is an Associate Professor of Orthopaedic Surgery.

Yashar Javidan, M.D., is the Director of the Orthopaedic Spine Surgery Fellowship at UC Davis Medical Center. Dr. Javidan received his M.D. from Chicago Medical School, and graduated from Orthopaedic Surgery Residency from University of Southern California Keck School of Medicine. He trained in pediatric and adult spine surgery at UC Davis Medical Center. He is an Assistant Professor of Orthopaedic Surgery.
Nationally Recognized Excellence

Shriners Hospitals for Children – Northern California and UC Davis Children’s Hospital share a commitment to serving the needs of children and families in our region through excellence in treatment, teaching and research. Shriners Hospitals for Children — Northern California is the only hospital in the Shriners Hospitals for Children network to house facilities for all treatment and research specialties including complex orthopaedic conditions, spinal cord injuries, burns, cleft lip, urology, pediatric surgery, and plastic surgery. UC Davis Children’s Hospital is a level 1 Pediatric Trauma Center with a large regional referral base. The two premier institutions form a comprehensive pediatric medical center campus in the heart of Sacramento.

For information, please contact:

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Fellowship Director
Vedant Kulkarni, M.D.
Pediatric Orthopaedic Surgeon
Director, Pediatric Orthopaedic Surgery Fellowship
Assistant Clinical Professor, UC Davis School of Medicine
