



Helping Kids Defy the Odds



Jacques L. D'Astous, MD, FRCS(C), Chief of Staff, Pediatric Orthopaedic Surgeon

University of Ottawa School of Medicine; Orthopaedic Surgery Residency at University of Ottawa; Fellowship in Pediatric Orthopaedics through the McLaughlin Foundation Traveling Fellowship (Sheffield, London, Paris, Boston, Wilmington); specializes in spinal deformities, neuromuscular disorders and movement analysis.



Steven D. Santora, MD, Pediatric Orthopaedic Surgeon

University of Utah School of Medicine; Residency in Orthopaedic Surgery at the University of Utah, School of Medicine; Fellowship in Pediatric Orthopaedics at the Scottish Rite Hospital in Atlanta, Georgia; specializes in scoliosis treatment, clubfoot and lower extremity deformity.



Kristen L. Carroll, MD, Pediatric Orthopaedic Surgeon

Albany Medical College; Orthopaedic Surgery Residency at the University of Utah, School of Medicine; Fellowship in Pediatric Orthopaedics at the University of Utah School of Medicine; specializes in skeletal dysplasias, hip and foot disorders and cerebral palsy.



Theresa A. Hennessey, MD, Pediatric Orthopaedic Surgeon

University of Colorado School of Medicine; Residency in Orthopaedic Surgery at Case Western Reserve University; Fellowship in Pediatric Orthopaedics at Primary Children's Hospital in Salt Lake City and Shriners Hospitals for Children – Salt Lake City; specializes in hip dysplasias, pediatric fractures, limb deformities, clubfoot and other foot deformities.



Marcella R. Woiczik, MD, Pediatric Orthopaedic Surgeon

Medical College of Ohio; Orthopaedic Surgery Residency at the Medical College of Wisconsin; Fellowship in Pediatric Orthopaedics at the University of Utah, School of Medicine; specializes in hip dysplasias, neuromuscular disorders, pediatric fracture care, foot deformities and limb deformities.



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Salt Lake City

Pediatric Specialty Care
Orthopaedics

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Susan L. Bratton, MD, Pediatrician

University of Arkansas School of Medicine; Pediatrics Residency at Arkansas Children's Hospital and Primary Children's Hospital in Salt Lake City; Fellowship in Pediatric Critical Care at Children's Hospital and Medical Care Center in Seattle; Epidemiology Masters in Public Health at the University of Washington.



Lynne M Kerr, MD, PhD, Pediatric Neurologist

University of Utah School of Medicine; Residencies in Pediatrics and Neurology (with Special Qualification in Pediatric Neurology) at the University of Utah; PhD in physiology from the University of Virginia.



John C. Sanders, MBBS, FRCA, Anesthesiologist

Cambridge University and London Hospital Medical College; Residency in Anesthesiology at Royal United Hospital and Manchester Royal Infirmary; Fellowship in Pediatric Anesthesiology at the Children's Hospital and Medical Center, Seattle, Washington.



Eileen R. Csontos, MD, Anesthesiologist

Medical College of Wisconsin; Residency in Anesthesiology at the University of Utah School of Medicine; Obstetric and Pediatric Anesthesiology Subspecialty Training at Baylor School of Medicine.



Salman Masud, MD, Anesthesiologist

King Edward Medical College at the University of Punjab in Pakistan; Anesthesiology Residency at Royal College of Surgeons in Ireland; Pediatric Anesthesia Fellowship at Sick Children Hospital in Crumlin, Dublin; Cardiothoracic Anesthesiology, Fellowship at Baylor School of Medicine.



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Surgical Department – Complex and simple orthopaedic surgical procedures are performed by board-certified pediatric orthopaedic surgeons.

Specialized Pediatric Orthopaedic Anesthesia Services – State of the art post-operative pain management conducted by staff anesthesiologists.

Inpatient Unit – Provides 24-hour nursing care/physician follow-up and supervision for patients requiring longer hospital stays for post-operative care, therapy services and diagnostic work-up.

Outpatient Clinic – Our outpatient clinic is like a doctor's office in the community; initial assessments and follow-up appointments all take place in the outpatient clinic. Diagnostic and therapeutic services the physician may order (radiology, laboratory, physical, occupational and speech therapy, orthotics and prosthetics) are located in the hospital.

Specialty Clinics – The hospital offers a number of specialty care clinics that allow patients diagnosed with a particular condition (osteogenesis imperfecta, clubfoot, etc.) to be seen by a team of specialists including pediatric orthopaedic surgeons, pediatricians, neurologists, radiologists and physical therapists in a single appointment.

Computerized 3D Gait Analysis – Used as an assessment tool for ambulatory children with gait abnormalities. Tests are evaluated by an orthopaedic surgeon, physical therapist and biomedical engineer.

Child Life Specialists – Assist patients and families in preparing for the surgical experience and hospital stay. Provide and teach non-pharmacological techniques for pain management and support during minimally invasive, non-surgical procedures.

Recreational Therapists – A variety of therapeutic activities are available to patients such as adapted sports, crafts, play sessions and entertainment while at the hospital. Outpatients can participate in hospital sponsored sporting leagues, horseback therapy and mini-camps. The hospital also hosts a week long ski and snowboard camp, as well as a summer rafting trip for amputees.

Care Coordinators – Each patient and their family are assigned a care coordinator to manage the clinical care process. The coordinators serve



as liaisons and primary points of contact with the physicians and the hospital.

Orthotics and Prosthetics – Certified prosthetists, orthotists and/or specifically trained technicians manufacture and fit custom-designed braces and artificial limbs for each patient's individual needs.

Therapy Services – Physical, occupational and speech therapy services are offered at the hospital to inpatients and outpatients.

Wheelchair Seating – Physical therapists and mechanical engineers custom fit wheelchairs to each patient's individual needs using seat simulation services and extensive pressure mapping.

Radiology – A board-certified radiologist and a staff of radiologic technologists use state of the art technology to perform x-rays. Digital radiology technology provides optimal radiographic examinations while minimizing patient exposure.

Nutrition Services – Clinical dietitians offer nutritional guidance for patients with specific medical needs.

Outreach Clinics – Our medical team travels to Boise, Denver, Phoenix and El Paso to screen patients and conduct follow-up care.

Patient and Family Housing – Rooming-in capabilities for one parent during the patient's hospitalization, limited on-site family housing (based on availability and patient status) for longer patient stays and off-site housing at reduced hospital rates at nearby hotels are available.



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Pediatric Orthopaedic Experts

Shriners Hospitals for Children – Salt Lake City is a 36-bed state-of-the-art hospital dedicated to improving the lives of children. Utilizing the latest treatments and technologies available, we have a highly trained team of medical specialists treating the most routine to the most rarely seen pediatric orthopaedic conditions. Our patients come from all over Utah, Idaho, Wyoming, Colorado, New Mexico, Nevada, Arizona and Northern Mexico. Children up to age 18 with orthopaedic conditions are eligible for care and receive all services in a family-centered environment regardless of their ability to pay.

Comprehensive Services

Shriners Hospitals for Children – Salt Lake City is designed with convenience in mind for families and children. The hospital offers a full range of inpatient and outpatient services under one roof, so children can receive care for all of their orthopaedic needs in one building. Appointments with physicians and clinicians in various departments throughout the hospital can be conveniently scheduled the same day.

Medical Team

- Pediatric Orthopaedic Surgeons
- Anesthesiologists
- Staff Pediatrician
- Staff Radiologist
- Pediatric Registered Nurses
- Speech Therapists
- Occupational and Physical Therapists
- Respiratory Therapists
- Recreation Therapists and Child Life Specialists
- Motion Analysis Gait Lab Experts
- Prosthetists/Orthotists
- Social Workers/Care Coordinators
- Registered Dietician

Accessing Care is Easy

For appointments or referrals to Shriners Hospitals for Children – Salt Lake City call:

Referral Line: 800.314.4283
Patient Information Fax: 801.536.3867
Physician Relations Manager: 801.536.3550

www.shrinershospitalsforchildren.org



Orthopaedic Expertise

- Amniotic Band Syndrome
- Amputations and Prosthetics
- Arthrogyrosis
- Bow Legs (Genu Varum, Blount's Disease)
- Brittle Bone Disease (Osteogenesis Imperfecta)
- Cerebral Palsy (Orthopaedic Issues only)
- Clubfoot (Talipes Equinovarus)
- Dwarfism (Skeletal Dysplasias)
- Elbow Disorders
- Foot Disorders
- Non-emergent fracture care
- Gait Analysis (Walking Disorders)
- Hand Deformities (Adactyly, Polydactyly, Syndactyly, Apert/Crouzon/Pfeiffer Syndrome)
- Hip Disorders (Developmental Hip Dysplasia and dislocation)
- In-toeing (Tibial Torsion, Femoral Anteversion)
- Knock Knees (Genu Valgum)
- Legg-Perthes Disease
- Limb Deficiencies (Acquired or Congenital)
- Leg Length Discrepancies
- Metabolic Bone Disease
- Muscular Dystrophy
- Neurofibromatosis
- Neuromuscular Disorders (Charcot-Marie-Tooth, Friedreich's ataxia, Poliomyelitis)
- Slipped Capital Femoral Epiphysis (SCFE)
- Spina Bifida (Orthopaedic Issues only)
- Spinal Abnormalities (Scoliosis, Kyphosis, Lordosis, Spondylolysis/isthesis)
- Torticollis



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Provider Relations

Shriners Hospitals for Children – Salt Lake City offers specialty care provided by board certified pediatric orthopaedic surgeons to children in Utah, Idaho, Wyoming, Colorado, Nevada, Arizona, New Mexico, and Sonora and Chihuahua, Mexico. Finances and insurance are never a factor in receiving care at Shriners Hospitals for Children. We treat any child with an orthopaedic condition up to age 18 regardless of income level or ability to pay.

We have an easy to use referral process to serve your needs.

- **Referral Line and Fax** – Providers may refer patients to Shriners Hospitals for Children by calling 800.314.4283 between 8:30 a.m. and 4:30 p.m. on weekdays. Phone calls after hours will be returned the next business day. You can also fax a referral using the “New Patient Request Form” found on the flash drive.
- **Physician to Physician Referral Capacity** – For patients in need of immediate diagnosis or treatment, providers have the option of calling the Referral Line and asking to speak with a physician.
- **Patient Tracking** – You will be notified in writing after the patient’s first appointment with details about the diagnosis and treatment plan. Primary care providers will also receive another update providing additional details about the child’s care upon discharge.
- **Physician Feedback** – If you have concerns, complaints or suggestions for improvement in regards to your experience with referrals, you may email physicianrelations@shrinenet.org. Someone will respond to you within one business day.
- **Continuing Medical Education** – Shriners Hospitals for Children offers a Lunch and Learn program. Our board-certified surgeons and specialists are available to present lectures at your practice on an orthopaedic topic of interest to you and your staff.

Enclosed you will find materials that offer detailed information on our service lines, specialists and referral process. The flash drive contains our new “Pediatric Orthopaedic Referral Guidelines” and a “New Patient Request Form.” You’ll also find a handout you can provide to patients you refer to Shriners Hospitals for Children.

For more information, an office visit or a refill of supplies, please call our Physician Relations Manager at 801.536.3550.



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Lunch and Learn Lectures

Shriners Hospitals for Children – Salt Lake City brings our board-certified surgeons and specialists to community practices and clinics for presentations on the most current pediatric orthopaedic topics. Lunch and Learn programs are an excellent way to learn more about bone, muscle and joint conditions and meet our pediatric orthopaedic experts.

To schedule a Lunch and Learn lecture contact the Physician Relations Manager at 801.536.3550.

Lunch and Learn lectures are dependent on the speakers' availability. Please provide as much advance notice as possible to coordinate schedules.

For pediatricians in Utah, Continuing Medical Education (CME) credit may be available through the Utah Chapter of the American Academy of Pediatrics. Contact the executive director at 801.968.3411 or **office@aaputah.org** to request a presentation.

You may request a topic of interest to you or choose from the following lectures:

- Bone and Joint Infections
- Clubfoot
- Gait Analysis
- Hip Disorders
- Scoliosis
- Risser Casting
- Wheelchair Seating
- Osteogenesis Imperfecta
- Hand Deformities
- Prosthetics
- Limb Deficiencies
- Neuromuscular Disorders
- Fractures





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Referring Your Patient

Referring a patient to Shriners Hospitals for Children – Salt Lake City is easy as one, two, three. Simply consult the “Pediatric Orthopaedic Referral Guidelines” and if your patient meets the referral criteria, follow these instructions:

1. Call the Referral Line: 800.314.4283
OR
Complete, print and fax the “New Patient Request Form” to:801.536.3867
2. Fax relevant clinical documentation to:801.536.3867
3. Provide the family with a copy of “When Your Child is Referred to Shriners Hospitals for Children,” which will guide them through the application process, scheduling and their first appointment.

If you have a patient that needs immediate diagnosis or treatment, a phone call to one of our physicians can expedite the admission process. Please call our physician referral line at **800.314.4283** and ask to speak with a physician.

