

# **Pediatric Services**



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# **OUR MISSION, VISION & VALUES**

# MISSION

Our mission is to continue the teaching and healing ministry of Jesus Christ. We are committed "to make man whole," in a setting of advancing medical science and providing a stimulating clinical and research environment for the education of physicians, nurses and other health professionals.

# VISION

Transforming lives through education, healthcare and research.

# VALUES

<u>Compassion</u> : reflects the love of God with respect, mercy and empathy. <u>Excellence</u>: exceeds expectations with effectiveness, reliability and efficiency. <u>Humility</u>: puts self-importance aside for the greater good of others. <u>Integrity</u>: carries out actions with honesty and trustworthiness. <u>Justice</u>: commits to diversity, equity and inclusion. <u>Teamwork</u>: collaborates to achieve a shared purpose. <u>Wholeness</u>: actively living the physical, relational, intellectual, spiritual and mental (PRISM) principles within a loving relationship with God and shown through service to others.



# WHO WE ARE

• Excellence in *education*, *research*, and *clinical care* •

Started in 1995 by the leadership of Loma Linda University School of Medicine, our medical group began as a physician-led administrative team supporting all disciplines dedicated to the care and wellbeing of Southern California's Inland Empire. Today, we have grown to 1,300+ providers in a variety of practice settings.

Through our affiliation with Loma Linda University School of Medicine and the hospital system of <u>Loma</u> <u>Linda University Health</u>, we support the mission of six hospitals and multiple clinics. We also provide clinical services at Riverside University Health System and the Arrowhead Regional Medical Center.

We answer a higher calling to make man whole, advancing our mission to continue the teaching and healing ministry of Jesus Christ.





# **OUR LEADERSHIP**

Loma Linda University Faculty Medical Group remains steadfast in its dedication to the well-being of our distinguished faculty, esteemed colleagues, and the broader community. The achievement of these objectives serves as a testament to the resolute commitment and visionary guidance of our esteemed team.



**PRESIDENT** Ricardo Peverini, MD



**CHIEF FINANCIAL OFFICER** Robert Martin, MD



**CHIEF OPERATING OFFICER** Laren Tan, MD, MBA



**CHIEF COMPLIANCE OFFICER** Ryan Lauer, MD



**CORPORATE SECRETARY** Herbert Ruckle, MD



# OUR LEADERSHIP

At Loma Linda University Faculty Medical Group, our dedicated team of vice presidents plays a vital role in fostering the well-being of our esteemed faculty, colleagues, and the broader community. Through their collective leadership, strategic vision, and unwavering commitment, they work collaboratively to drive initiatives that enhance our mission and strengthen our impact.



**VP, ADMINISTRATION AND PROFESSIONAL EMPLOYMENT** Barbara Sharp



VP, AMBULATORY HEALTHCARE EXPERIENCE Bryan Tsao, MD, MBA



**VP, FINANCE** Stella Kim

**VP, HEALTH INFORMATICS** David Sanner, MD



**VP, AMBULATORY OPERATIONS** Julia Perez



**VP, BUSINESS ANALYTICS** AND INFORMATICS Padmini Davamony



VP, VALUE-BASED CARE AND QUALITY Todd Martell, MD, MBA



**VP, SURGICAL OPERATIONS** Alfred Simental, MD, MBA



# LLUFMG IN THE COMMUNITY

Serving our community since 1995, LLUFMG continues to expand and provide expert care throughout Southern California and beyond. With over 150 locations for patients to choose from, we have made it easier for patients to receive their care.

Beaumont/Banning Colton Corona Hemet Hesperia Hesperia Highland Las Vegas Loma Linda Moreno Valley Murrieta Palm Desert Rancho Cucamonga Rancho Mirage Redlands Riverside San Bernardino Upland Victorville





# LLUFMG IN THE COMMUNITY



### RANCHO CUCAMONGA

One of our newest locations offering services in 7 specialties: adult cardiology, ear, nose, and throat, general gynecology and obstetrics, maternal-fetal medicine, neurology, neurological surgery, ophthalmology and outpatient behavioral health. We have a virtual tour available for this location.



# LOMA LINDA SURGICAL INSTITUTE

Loma Linda University Faculty Medical Group is proud to be a partner in expanding our reach and surgical capacity at the new ambulatory surgical center. Specialties supported by the institute include ophthalmology, orthopedic surgery, pain management, spine surgery, urology, gynecology, cardiology, general surgery, gastroenterology, and neurosurgery.





# **OUR PEDIATRIC SPECIALTIES**



Forensic PediatricsGeneral PediatricsGeneticsNeonatologyObstetrics & Gynecology - Maternal FetalMedicinePediatric Allergy/Immunology/PulmonologyPediatric CardiologyPediatric CardiologyPediatric & Congenital Heart SurgeryPediatric Diabetes & EndocrinologyPediatric Emergency MedicinePediatric GastroenterologyPediatric Hematology-Oncology

Pediatric Infectious Disease Pediatric Nephrology Pediatric Neurointerventional Radiology Pediatric Neurology Pediatric Neurosurgery Pediatric Ophthalmology Pediatric Ophthalmology Pediatric Orthopaedic Surgery Pediatric Physical Medicine & Rehabilitation Pediatric Plastic Surgery Pediatric Plastic Surgery Pediatric Psychology Pediatric Rheumatology Pediatric Surgery Pediatric Surgery Pediatric Transplant/Cellular Therapy Pediatric Urology Pediatric Vascular & Interventional Radiology



# FORENSIC PEDIATRICS







DIVISION HEAD Amy Young, MD

### **ABOUT US**

- Our forensic pediatric physicians take care of patients in both San Bernardino and Riverside Counties.
- We are affiliated and see patients at the Children's Assessment Center of San Bernardino (CAC), a public/private partnership between San Bernardino County and Loma Linda University Children's Hospital.
- The CAC provides forensic interviews and evidentiary medical examinations to assist in the evaluation of child abuse allegations.
- We coordinate services in a child-focused atmosphere, thus reducing trauma to child victims and their families.

- Provides competent, quality child abuse assessments to child victims.
- Promotes a nurturing atmosphere for children and families.
- Provides referrals for treatment as necessary.
- Our program reduces the number of interviews of the child victim/witness, thereby reducing the trauma to the child(ren).
- Coordinates and networks with a multidisciplinary team.









# **GENERAL PEDIATRICS**







DIVISION HEAD Chad Vercio, MD

### **ABOUT US**

- From routine well visits to complex care coordination, our team of pediatric experts serves as a trusted home base for the medical needs of children. We see patients from newborns to age 18 – and offer specialized care for teens.
- Routine Care
  - From minor illnesses to simple sprains, well visits, and sports physicals, general pediatrics provides expert care for children when they need it.
- Adolescent Care
  - As your teenagers grow, their medical needs evolve. We help bridge the gap between childhood and adulthood with providers who specialize in the care of adolescents.
- Chronic & Complex Care
  - Our providers are very experienced in caring for children with chronic or complex health needs. We work directly with needed specialists to coordinate care.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Circumcision.
- Attention-deficit/hyperactivity disorder (ADHD) management.
- Care of hospitalized children.







### **GENETICS**







DIVISION HEAD Robin Clark, MD

### **ABOUT US**

- The Division of Medical Genetics is committed to providing the highest quality, state-of-the-art genetic services to patients and their families and to engaging in academic and professional activities that advance genetic knowledge and optimize health outcomes through advocacy, counseling, education, outreach, and research.
- We are a group of physicians and genetic counselors who provide consultations, risk assessments, and genetic counseling for children, adults, and their families for a variety of inherited disorders. Our genetics team offers its expertise to patients who are searching for a diagnosis for their complex or rare disorder. We strive to answer the question "why did this happen" and put an end to a patient's long and frustrating diagnostic odyssey.
- We develop and coordinate an individualized comprehensive evaluation that includes genetic and genomic testing in both inpatient and outpatient settings. We inform patients and families about their diagnosis and provide support groups and other resources.
- Our outpatient services include special clinics for skeletal dysplasias and syndromic obesity in addition to general genetics clinics. We also provide genetic services to many multidisciplinary specialty team-based clinics: metabolic genetics and newborn screening center, cardiology, craniofacial disorders, cystic fibrosis, breast, ovarian, GI cancers, and cancer predisposition syndromes, and adult neuromuscular disorders.
- Accurate and early diagnosis can lead to better surveillance and treatment strategies for patients and their families.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Birth defects/ dysmorphic features.
- Developmental delays/ intellectual disabilities.
- Metabolic genetics.
- Failure to thrive/ growth problems.
- Neurological and neuromuscular problems.
- Skeletal dysplasias.

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# **NEONATOLOGY**







DIVISION HEAD Lily Martorell-Bendezu, MD

### **ABOUT US**

The Neonatal Intensive Care Unit (NICU) at Loma Linda University Children's Hospital (LLUCH) is an 84-bed level 4 unit providing the most sophisticated care for critically ill newborn infants in the Inland Empire (San Bernardino and Riverside counties). It was ranked #41 in the nation for 2022-23 by U.S. News & World Report. Only 8 other NICU's are ranked in the top 50 units in California.

 When infants are born prematurely or are critically ill our NICU team provides excellent, compassionate care. We are supported by a very large spectrum of pediatric trained subspecialists including cardiology, neurology, gastroenterology, nephrology, infectious disease, genetics, cardiothoracic surgery, pediatric surgery, neurosurgery and urology.

- We have a dedicated neonatal transport team that transports critically sick neonates from all Southern California regions to LLUCH.
- We have multiple mechanical ventilator modalities, inhaled nitric oxide and extracorporeal support (neonatal ECMO) for infants with severe cardiorespiratory failure.
- We have multiple imaging modalities to guide diagnostic and therapeutic decisions, including CT, MRI, functional echocardiography and neonatal point of care ultrasound.
- Neonatal Neurological/Developmental care: Our Neuro-NICU works with pediatric neurologists to diagnose, treat and monitor your baby's neurologic injuries or disorders. We provide total body cooling to treat hypoxic brain insults. Our commitment to neuroprotective care also extends to babies in the NICU who have not been diagnosed with a neurological condition.
- Our Tiny Baby Program provides care for the extremely premature neonate born less than 30 weeks of gestational age.
- Our High-Risk Infant Follow-Up (HRIF) provides long-term outpatient developmental follow-up for infants at high risk for delays and complications.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Prematurity.
- Respiratory distress syndrome.
- Persistent pulmonary hypertension of the newborn.
- Congenital heart disease.
- Congenital anomalies, genetic diseases and inborn errors of metabolism.
- Sepsis / neonatal infection.
- Abdominal wall defects, intestinal abnormalities.
- Congenital diaphragmatic hernia.
- A broad spectrum of resources and tools are available:
- Neonatal cardiac surgery, including neonatal cardiac transplantation.
- Inhaled nitric oxide.
- Advanced ventilator support (high frequency ventilation, non-invasive ventilation).
- Extracorporeal membrane oxygenation support.
- Neuro-NICU care.
- Functional echocardiography.
- Therapeutic whole-body cooling.
- Ultrasound / MRI.
- Neuroprotective and family-centered developmental care.
- Tiny baby (extremely premature infant) program.
- High risk infant follow-up program.
- Lactation support.

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Neonatal occupational and physical therapy programs.



### **OBSTETRICS & GYNECOLOGY - MATERNAL-FETAL** MEDICINE





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DIRECTOR OF MFM SERVICES Ruofan Yao, MD

### **ABOUT US**

- Customized care for mothers-to-be throughout their pregnancy in a family-focused environment.
- Pregnancy should be a wonderful experience! With the reassurance and guidance of our clinicians, we promote healthy outcomes without over-medicalization whenever possible.
- When needed, our general obstetricians and maternal-fetal medicine specialists work together seamlessly to manage the most complex conditions in pregnancy care.
- Our care extends to pregnant patients who need hospitalization due to complications. Our patient-centered and team-based approach shares the expertise of obstetricians, MFM specialists, and our unmatched experience in neonatal medicine to achieve the best outcomes.
- In fact, we are the regional referral center for complicated pregnancies throughout the Inland Empire and beyond.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Comprehensive high risk **maternal** management, including antepartum, intrapartum and postpartum management.
- Comprehensive **fetal** evaluation and multidisciplinary management of fetal anomalies, including antenatal, intrapartum and postnatal management.
- State of the art **sonographic** technology to evaluation fetal anatomy.
- Specialty clinic for **diabetes** management including management of insulin pump in pregnancy.
- Center for Obstetrical Management of Placenta Accreta Spectrum (COMPAS) - multidisciplinary management of **placenta accreta spectrum disorder.**
- Comprehensive **genetics** program including prenatal diagnosis via CVS and amniocentesis, postnatal evaluation, carrier screening and counseling.
- Clinical **research** to gather data on the best practice in obstetrical care.



# PEDIATRIC ALLERGY/IMMUNOLOGY/PULMONOLOGY







**DIVISION HEAD** Jim Eguchi, MD

### **ABOUT US**

- The largest referral center for pediatric pulmonary, allergy, and immunology in the Inland Empire.
- The region's only cystic fibrosis center.
- Home mechanical ventilation.
- Provides multispecialty care for:
  - Bronchopulmonary dysplasia (BPD).
  - Muscular Dystrophy Association clinic.

- Asthma.
- Bronchopulmonary dysplasia.
- Cystic fibrosis.
- Chronic lung disease.
- Recurrent pneumonia.
- Chronic respiratory failure.
- Sleep-related breathing disorder.
- Management of patients with pulmonary involvement due to neuromuscular disease.
- Bronchiectasis.







# **PEDIATRIC CARDIOLOGY**







**DIVISION HEAD** Micheal Kuhn, MD

### **ABOUT US**

- Loma Linda University Children's Hospital was ranked #37 in the nation in pediatric cardiology and heart surgery for 2022-23 by U.S. News & World Report.
- Our pediatric cardiologists provide worldclass heart care for infants, children, and adolescents in a comfortable, family-friendly environment.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Cardiac catheterization.
  - Balloon valvuloplasty.
  - Balloon angioplasty.
  - Stent placement.
  - Device closures used to close holes or communications within the heart wall.
  - Heart valve placement.
  - Hybrid procedures with pediatric surgeons.
  - Patent ductus arteriosus closure in premature infants.
- Cardiac intensive care unit.
- Cardiac transplant.

- Heart failure treatment.
  - Ventricular assist devices including Berlin, CentriMag, PediMag, HeartMate and Impella.
- Non-invasive Cardiology.
  - From echocardiograms to MRI and more, we provide non-invasive tests for young heart patients from ages 0 to 18.
- Advanced electrophysiology treatments.
  - Heart rhythm monitoring.
  - Implantable cardiac devices.
  - Lead extractions.
- Fetal Cardiology.

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• Pulmonary hypertension.



# **PEDIATRIC & CONGENITAL HEART SURGERY**







**DEPARTMENT CHAIR** Joshua Chung, MD

### **ABOUT US**

- Loma Linda University Children's Hospital was ranked #10 in the nation in pediatric cardiology and heart surgery for 2024-25 by U.S. News & World Report.
- We provide world-class heart care from fetal diagnosis to treatment of newborns, children, and adults with complex heart defects.

- LLUH is the only nationally recognized comprehensive congenital heart center in the Inland Empire. Additional specialized services include:
  - Pediatric ventricular devices and extracorporeal membrane oxygenation (ECMO) (ELSO Center of Excellence).
  - Newborn and pediatric heart transplantation (recognized world leader).
  - Certified adult congenital heart disease program (American Congenital Heart Association).







# PEDIATRIC CRITICAL CARE







DIVISION HEAD Merrick Lopez, MD

### **ABOUT US**

- The Pediatric Intensive Care Unit (PICU) is a 25-bed tertiary care unit dedicated exclusively to the specialized medical and surgical needs of critically ill children from birth through adolescence.
- Access to specialized intensive care is often the difference between life and death for a critically ill child, and for more than 25 years, the PICU at Loma Linda University Children's Hospital has provided children with advanced medical treatment when they needed it most.
- A multidisciplinary team including physicians, nurses, pharmacists, child life specialists, respiratory therapists, physical therapists, chaplains, and other clinicians collaborate to best meet the medical, psychosocial, and spiritual needs of the hospitalized child.

### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Pediatric critical care has cared for a wide range of pediatric conditions including:
  - Life-threatening infections.
  - Respiratory problems.
  - Trauma.
  - Near-drowning.
  - Cardiac problems.
  - Seizures.
  - Child abuse.
- Bronchoscopy.
- Extracorporeal membrane oxygenation (ECMO).
- Ventilator Management.
- Airway Management.
- Ultrasound.

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- Peripherally Inserted Central Catheter.
- The PICU also provides essential transport services for more than 1.2 million children living in San Bernardino, Riverside, Inyo, and Mono counties.



# **PEDIATRIC DIABETES & ENDOCRINOLOGY**







DIVISION HEAD Sena Cantas Orsdemir, MD

### **ABOUT US**

 The Pediatric Diabetes and Endocrinology team at our center is composed of boardcertified physicians dedicated to providing expert care. As the only academic center in the Inland Empire, we offer comprehensive services for both inpatient and outpatient care. Our multidisciplinary team includes diabetes educators, dietitians, social workers, and psychologists, ensuring holistic support for our patients. We are committed to serving children with a wide range of endocrine conditions, delivering the highest quality care backed by the latest research and treatments.

- Type 1 diabetes
- Type 2 diabetes
- Obesity
- Thyroid disorders
- Growth concerns
- Menstrual irregularities
- Pituitary dysfunction
- Adrenal disorders
- Early or delayed puberty
- Calcium imbalances
- Genetic syndromes (including but not limited to)
- Russell-Silver syndrome
- Prader-Willi syndrome
- Turner syndrome
- Klinefelter syndrome







### PEDIATRIC EMERGENCY MEDICINE







**DEPARTMENT CHAIR** Lea Walters, MD

### **ABOUT US**

- Our state-of-the-art children's emergency room and new waiting area are specially designed to provide safety, well-being and support for kids and families during their most challenging days and nights.
- We're the region's only dedicated emergency room for children, treating more than 36,000 kids yearly — and 3,000 of the most critical trauma patients.
- As the region's only maximum level 1 trauma center, we provide care for every level of injury at every stage of recovery.

- The only Level 1 Pediatric Trauma center in the region.
- Only Pediatric Emergency Medicine Department in the region.
- Specialists in the use of bedside point of care ultrasound in resuscitation.
- Medical Toxicology and Envenomation Specialists.
- Mobile Telemedicine Vehicle (MTV) to respond to Multicasualty incidents (MCI), Disaster, and Event Medicine venues.
- Advanced Urgent Care







# **PEDIATRIC GASTROENTEROLOGY**







**DIVISION HEAD** Kalyan Parashette, MD

### **ABOUT US**

 The Division of Pediatric Gastroenterology offers comprehensive medical care to children with gastrointestinal, liver, and nutrition related medical problems.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Abdominal pain.
- Vomiting.
- Constipation.
- Diarrhea & malabsorption.
- Feeding disorders.
- Failure to thrive and malnutrition.
- Gastroesophageal reflux.
- Gastrointestinal bleeding.
- Peptic ulcer disease.
- Inflammatory bowel disease.
- Celiac disease.
- Intestinal failure & intestinal rehabilitation.
- Nutritional disorders (Gastrostomy tubes & total parenteral nutrition).
- Gastrointestinal polyps.
- Gastroparesis and other motility disorders.

- Obesity and non-alcoholic fatty liver disease (NAFLD).
- Foreign body.
- Pancreatitis and other pancreatic diseases.
- Gallbladder disease.
- Acute and chronic liver diseases.
- Allergic & Eosinophilic disorders.
- Metabolic disorders affecting gastrointestinal function.
- Metabolic liver disease.
- Breath tests.
- Esophageal pH/impedance monitoring.
- Gastrostomy and gastrojejunostomy tube.
- Diagnostic endoscopy including EndoFlip.
- Capsule endoscopy.
- Transnasal dndoscopy.
- Therapeutic endoscopy.
- Advance endoscopy including ERCP and EUS.
- Anorectal manometry and Biofeedback.
- Esophageal manometry.
- IB-Stim.

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# PEDIATRIC HEMATOLOGY- ONCOLOGY







**DIVISION HEAD** Albert Kheradpour, MD

### **ABOUT US**

- The Pediatric Hematology Oncology Stem Cell Transplant Intensive Care Unit treats pediatric blood-related diseases and cancers and is the largest of its kind in the Inland Empire.
- Dedicated to serving the specialized medical needs of children, from newborns to adolescents, diagnosed with cancers such as leukemia, brain tumors, and blood related diseases such as hemophilia, this 33-bed unit is staffed with a highly skilled team of healthcare professionals.
- Patient care is guided by the expertise of a multidisciplinary team of physicians, residents, nurses, a clinical nurse specialist, educator, case manager, pharmacist, social worker, and child-life specialist.
- Every caregiver dedicates unending support to the patients and families during this most difficult time, sharing in both the trials and victories of the healing process, as they work to conquer this illness together.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Acute myelogenous leukemia (AML).
- Acute lymphoblastic leukemia (ALL).
- Myelodysplastic syndromes (MDS).
- Chronic myelogenous leukemia (CML).
- Chronic lymphocytic leukemia (CLL).
- Non-Hodgkin lymphoma.
- Hodgkin lymphoma germ cell tumors.
- Myeloproliferative disorders.
- BCR-ABL-negative myeloproliferative neoplasms.
- Myelofibrosis.
- Later stages of polycythemia vera essential thrombocytosis.
- Juvenile myelomonocytic leukemia (JMML).
- Neuroblastoma Ewing family of tumors.
- Medulloblastoma immune deficiency diseases.
- Severe combined immunodeficiency syndromes.
- Wiskott-Aldrich syndrome.
- Omenn syndrome.
- X-linked lymphoproliferative syndrome.
- Kostmann syndrome.
- Inherited Metabolic Disorders.
- Hurler's syndrome.
- Adrenoleukodystrophy.
- Transfusion-dependent thalassemias.
- Sickle Cell Disease.
- Hemophagocytic lymphohistiocytosis (HLH).
- Severe aplastic anemia and other marrow failure syndromes.
- Bone marrow and peripheral blood stem cell transplant.
- Bone marrow aspirate.
- Bone marrow biopsy.
- Bone marrow harvest.
- Lumbar puncture.
- Apheresis.

For more information, please scan the QR code or click <u>here</u>





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# **PEDIATRIC INFECTIOUS DISEASE**







**DIVISION HEAD** Alvaro Galvis, MD

### **ABOUT US**

- 40+ years of Infectious Disease Specialty care for children and adolescents in the Inland Empire.
- First health care clinic for children and adolescents with Human Immunodeficiency Virus infection in the Inland Empire.
- We are a California Children's Services (CCS) certified Specialty Infectious Disease Team center with a designated ID dietician, ID social worker, a ID nurse specialist to provide comprehensive care to all pediatric patients with HIV, congenital HSV, CMV and syphilis.
- We provide inpatient consultation services for admitted patients with infectious diseases including transplant and immunocompromised hosts.
- We provide pre and post-transplant evaluations raging from clearance to transplant, to recommendation on prophylaxis antibiotics and immunization schedules.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Recurrent fevers.
- Complicated pneumonia, urinary tract infection.
- Tb test positive with negative chest X-ray.
- Bone/joint infections.
- Abscesses.
- Congenital infections: syphilis, HSV, CMV.
- Recurrent cold sores.
- Recurrent staph (MRSA) boils.
- Brain shunt infections.
- Fungal infections including valley fever.





# **PEDIATRIC NEPHROLOGY**







DIVISION HEAD Arwa Nada, MD, MSc

### **ABOUT US**

- The Loma Linda University Health Pediatric Nephrology Division offers expert kidney care for children from newborns to 21 across the Inland Empire, covering San Bernardino, Riverside, and surrounding counties. We are the region's sole pediatric nephrology provider.
- Ranked #46 in pediatric nephrology by U.S. News & World Report for 2023-2024, we treat various kidney conditions, including glomerulonephritis, nephrotic syndrome, kidney failure, dialysis, and transplantation. We also perform pediatric kidney biopsies and manage complex disorders.
- As a CCS-certified Specialty Renal Team Center, we offer multidisciplinary care, including dietitians, social workers, nurse practitioners, and nephrology nurses. We are the region's only pediatric ESRD center and kidney transplant provider, with referrals from across Southern California and neighboring states. To meet growing demand, we are expanding our team and service area, improving access to specialized pediatric kidney care.
- We collaborate with NICU, PICU, CVICU, and other units on research and quality improvement projects, enhancing multidisciplinary care and outcomes for critically ill children with kidney conditions.
- Our faculty leads international studies and multi-center trials, advancing pediatric nephrology globally and fostering collaboration between pediatric and adult nephrologists for seamless care transitions.
- We participate in major research consortia like NAPRTCS, CKiD, and NKC, driving research in pediatric kidney care, quality improvement, and AI integration.
- We provide inpatient consultation, dialysis, pediatric apheresis therapies, blood pressure monitoring for hypertensive children, and treatment for metabolic bone diseases, including pediatric DXA scans.
- At Loma Linda University Children's Hospital, we deliver compassionate, state-of-the-art care, advancing pediatric nephrology through clinical excellence, research, collaboration, and innovation.



# PEDIATRIC NEPHROLOGY CONT.







DIVISION HEAD Arwa Nada, MD, MSc

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- General nephrology evaluation of patients with kidney and urinary tract abnormalities (CAKUT)
- Management of patients with congenital and inherited kidney diseases
- Nephrotic syndrome
- Neonatal kidney diseases
- Acute and chronic glomerulonephritis
- Pediatric hypertension
- Ambulatory blood pressure monitoring
- Kidney biopsies
- Tubular disorders
- Chronic kidney disease
- End-Stage Renal Disease (ESRD)
- Kidney transplant
- Acute & chronic hemodialysis and peritoneal dialysis
- Inpatient consultation services for electrolyte, fluid and kidney disorders
- Inpatient acute dialysis (neonatal & pediatric)
- Continuous Renal Placement Therapy (CRRT)
- Plasmapheresis
- LDL apheresis
- Pediatric metabolic bone disorders
- Pediatric DXA scan





# PEDIATRIC NEUROINTERVENTIONAL RADIOLOGY









**DEPARTMENT CHAIR** J. Paul Jacobson, MD

### **ABOUT US**

- The Division of Pediatric Radiology, Loma Linda University Children's Hospital (LLUCH) provides comprehensive pediatric imaging in all imaging modalities for pediatric diagnostic problems for the neonate, infant, juvenile, and adolescent.
- It serves the extensive pediatric physician referral base of Southern California's Inland Empire – the large Southern California counties of San Bernardino, Riverside, Inyo and Mono that extend eastward from Los Angeles to the western Nevada border.
- Pediatric radiology is distinguished from adult radiology by technical factors, equipment, protection, immobilization and methods of communication with children and their parents, as well as providing distinctive diagnostic processes for pediatric disease.

- Cerebral angiography.
- Embolization of brain or spinal AVM.
- Pre-operative embolization for juvenile nasal angiofibroma.
- Intrathecal nusinersin infusion.









# **PEDIATRIC NEUROLOGY**







**DIVISION HEAD** Joshua Loeb, MD

### **ABOUT US**

- One of the largest pediatric epilepsy programs in California.
- We have skilled and internationally recognized experts in the field of pediatric neurology.
- Our whole-child treatment philosophy focuses on every aspect of care — physical, cognitive and behavioral.
- Comprehensive child evaluations are performed to support their medical, educational, and social needs.
- Our specialty clinics provide expert diagnosis and innovative therapies based on your child's specific symptoms.
- One of the largest Pediatric Critical Care Units (25 beds) and Neonatal Intensive Care Units (90+ beds) in the state, staffed by critical care and neonatal specialists and neurosurgeons who provide 24/7 evaluation and treatment for newborns, infants, and children with catastrophic brain and spinal cord injuries.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Our epilepsy team is composed of a strong and experienced group of pediatric epileptologists, neurosurgeons, neuroradiologists, and neuropsychologists.
- Expertise in all current treatment options, including dietary therapy (ketogenic diet) and neuromodulation (vagal nerve stimulator, responsive nerve stimulator).
- State of the art surgical procedures including robotic guided surgery and laser ablation.
- Access to the Complex Epilepsy Team Center.
- Ataxia.
- Cerebral palsy.
- Dystonia.
- Paroxysmal dyskinesia.
- Psychogenic movement disorder.
- Tourette syndrome and tics.
- Tremor.

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- Charcot-Marie-Tooth disease.
- Congenital myopathy.
- Duchenne muscular dystrophy.
- Mitochondrial disorders.
- Muscular dystrophy.
- Myasthenia gravis.
- Myotonic dystrophy.
- Peripheral neuropathy.



### **PEDIATRIC NEUROSURGERY**







DEPARTMENT CHAIR Warren Wilson Boling Jr., MD The Neurosurgery Department at Loma Linda University Health includes a premier Pediatric Neurosurgery section consisting of four fellowship-trained dedicated Pediatric Neurosurgeons and other specialized resources. The Pediatric Neurosurgery service provides a top level destination for complex, elective, and emergent neurosurgical needs, serving children and their families from the Inland Empire and greater Southern California.

### **ABOUT US**

Procedures:

- Tumor and vascular malformation resection surgery in the brain and spine.
- Minimally invasive tumor resections using BrainPath.
- Minimally invasive laser interstitial thermal therapy (LITT) for tumors.
- Full complement of surgical interventions for medically intractable epilepsy, supporting our Level 4 Epilepsy Center designation, including:
  - Robotically guided stereoEEG electrode placement for intracranial seizure monitoring.
  - Craniotomy for seizure focus resection.
  - Functional hemispherectomy.
  - Corpus callosotomy.
  - Responsive neural stimulation (RNS).
  - Deep brain stimulation (DBS).
  - Vagal nerve stimulation (VNS).
  - Laser interstitial thermal therapy (LITT).
- Selective dorsal rhizotomy (SDR) and intrathecal baclofen pumps for spasticity management.
- Deep brain stimulation (DBS) for movement disorders.
- Endoscopic surgery for minimally invasive tumor resections and management of hydrocephalus (endoscopic third ventriculostomy).
- Cerebrospinal fluid shunts for management of hydrocephalus.
- Cranial vault remodeling surgery for management of
- craniosynostosis.
- Chiari malformation surgery.
- Cranioplasty (which is reconstruction of a skull defect).
- Spinal fusion for management of trauma or instability related to tumors or congenital conditions.
- Spinal decompression procedures for foramen magnum stenosis, central spinal canal stenosis, and pinched nerves.
- Revascularization procedures for Moyamoya disease.
- Craniotomies and craniectomies for traumatic brain injuries.
- Myelomeningocele (spina bifida)/encephalocele/meningocele repair surgery.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

#### Conditions:

- Tumors of the brain and spine.
- Vascular malformations (such as arteriovenous malformations) of the brain and spine.
- Chiari malformations.
- Hydrocephalus.
- Craniosynostosis.
- Medically intractable epilepsy.
- Spina bifida and related congenital spine/spinal cord malformations.
- Tethered (spinal) cord syndrome.
- Cerebral palsy/spasticity.
- Moyamoya disease.
- Neurofibromatosis (types 1 & 2).
- Tuberous sclerosis.
- Movement disorders.
- Arachnoid cysts and pineal region cysts.
- Pituitary tumors and lesions.
- Traumatic injuries of the brain and spine.
- Spinal instability for reasons other than trauma.
- Foramen magnum stenosis.
- Neurogenic claudication.
- Birth trauma including calcified cephalohematomas.
- Encephaloceles/meningoceles.





Tethered (spinal) cord release surgery.



# **PEDIATRIC OPHTHALMOLOGY**







**DEPARTMENT CHAIR** Michael Rauser, MD

### **ABOUT US**

- We are the leading provider of eye care in the Inland Empire. The goal of our department is to excel in the areas of patient care, physician education, and clinical research in ophthalmology.
- At the Loma Linda University Eye Institute, cutting-edge technology and innovative surgical techniques are used to serve our patients within a Christian environment.

- Peds Ophthalmology
  - Pediatric cataract surgery, especially for infants.
  - ROP, affiliation with NICU with the small baby unit. We are the only ones who can see the small babies.
  - Vision screening program.
  - Pediatric subspecialty access for all specialties (Retina, Neuro, glaucoma, cornea, uveitis, plastics, optometry/specialty contacts).
  - Adult Strabismus- also treat adults with strabismus because of their expertise in correcting eye misalignment.









# PEDIATRIC ORTHOPAEDIC SURGERY







DEPARTMENT CHAIR Thomas Donaldson, MD

### **ABOUT US**

- Our pediatric orthopaedic surgeons are ready with surgical and non-surgical treatments developed specifically for kids and teens.
- Through our pediatric orthopaedic program children have access to a quality of care and a breadth of services unmatched in the region.
- From diagnosis to recovery, we're by each child's side through broken bones, joint infections, emergency surgery, elective procedures, and more.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- The only specialized pediatric orthopaedic services and limb lengthening services in San Bernardino/Riverside area
  - Bone transport used to grow new bone for limb reconstruction.
  - Bone grafting, where bones are transplanted to repair other seriously damaged bones.
- Adolescent sports injuries, including anterior cruciate ligament (ACL) injury, patellar dislocation, meniscal injuries, and discoid meniscus.
- Spine conditions, like scoliosis and kyphosis.
- Neuromuscular and traumatic hip conditions such as cerebral palsy, spina bifida, or deformity from slipped capital femoral epiphysis (SCFE).







### PEDIATRIC OTOLARYNGOLOGY HEAD & NECK SURGERY







**DIVISON HEAD** Tsung Ju O-Lee, MD

### **ABOUT US**

- Loma Linda University Children's Hospital Ear, Nose, and Throat Surgery provide diagnosis and comprehensive treatments for conditions affecting the patients' ear, nose, throat, head, and neck. Using state-of-the-art technologies, our surgeons are committed to quality, whole-patient care focused on the healing of body, mind, and spirit.
- Our specialists are fellowship-trained in the entire spectrum of otolaryngology, head & neck surgery, and facial plastic surgery. We provide tertiary-level care for the most complex and difficult problems within otolaryngology using advanced, state-of-the-art procedures and treatments.

- Advanced pediatric airway surgery
- Advance pediatric head neck oncologic and tumor surgery
- Advanced pediatric thyroid and parathyroid surgery
- Cochlear Implantation
- Congenital pediatric auto laryngology
- Pediatric otoplasty and congenital ear deformity
- Sleep apnea surgery
- Pediatric voice therapy and surgery







# **PEDIATRIC PHYSICAL MEDICINE & REHABILITATION**







**DEPARTMENT CHAIR** Justin Hata, MD

### **ABOUT US**

- Our pediatric rehab specialists know how overwhelming it can be for both parents and children to undergo therapy.
- We work closely with families to develop a personalized treatment plan aimed at improving each child's ability to reach their potential.
- Short-term therapy for infants through adolescents is available in both outpatient and inpatient settings.
- Inpatient and outpatient services use the latest technology to meet our patients' therapy goals and to ensure the best outcomes.
- Therapists for adolescents are paneled by California Children's Services (CCS) to ensure the quality of care for patients under 18 years of age.
- Recreational facilities are designed to meet the needs of adolescents and provide an active, energetic environment.
- Tutor support for adolescents while in rehabilitation.
- Therapists can help adolescents become involved in adaptive sports to support physical, social, and mental health.

- Spasticity management.
- Intrathecal pumps.
- Chemical denervation.





# **PEDIATRIC PLASTIC SURGERY**







DEPARTMENT CHAIR Subhas Gupta, MD, PhD, FRCSC, FACS

### **ABOUT US**

- The Department of Plastic Surgery is dedicated to providing excellence in healthcare, education, and research.
- We offer state-of-the-art, comprehensive, and quality aesthetic and reconstructive surgery in a whole patient care environment.
- Patients who undergo reconstructive surgery not only regain their physical selves but renew their spirits and peace of mind.
- Our expert plastic surgeons provide worldclass comprehensive care for the aesthetic and reconstructive patients of the Inland Empire.
- Our fellowship-trained plastic surgeons have performed numerous pioneering procedures in plastic surgery. We are national leaders and innovators in cosmetic surgery, breast reconstruction, skin substitutes, wound healing, complex microsurgery, and facial trauma. We frequently treat patients from all over the US and around the world. Our broad base of clinical and research expertise helps us operate on the most complex problems while achieving outstanding results.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Pediatric procedures that Plastic Surgery is doing the most in the region:
  - Cranial vault remodeling.
  - Cleft lip and palate repair.
  - Ear reconstruction.
- The plastic surgeons of Loma Linda University have a number of centers of clinical care excellence:
  - Aesthetic surgery of the face, breast and body.
  - Breast reconstruction.
  - Cleft lip and palate reconstruction.
  - Craniofacial surgery for congenital deformities.
  - Post bariatric body contouring.
  - Laser surgery and scar revision.
  - Maxillofacial trauma.

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- Skin cancer reconstruction.
- Hand surgery and microsurgery.



### **PEDIATRIC PSYCHOLOGY**







**DIVISION HEAD** Kiti Freier, PhD

### **ABOUT US**

Our team consists of pediatric psychologists and neuropsychologists who see children and adolescents in the hospital or in out-patient clinics. Pediatric psychology is a specialty service that helps children deal with challenges related to their acute, chronic or terminal illness. Pediatric neuropsychology is a specialty that focuses on brain functioning and development in children.

- **PEDIATRIC PSYCHOLOGY** The pediatric psychologists work with the outpatient hospital team clinics (Craniofacial Team Clinic, Hematology-Oncology, Endocrinology/Diabetes) to provide assessment and develop referrals to address the psychological factors impacting adherence, coping and adjustment to children with medical conditions. In the hospital, our pediatric psychologists are involved in consultation, support, and triage. The Pediatric Psychology consultation service works closely with medical providers, nurses, social workers, Child Life, and other specialty services to address a variety of issues, including adjustment to a new diagnosis or first-time hospitalization, coping with chronic conditions, prolonged hospitalization, sequalae related to traumatic injuries, compliance with medical regimens, seizure disorders, organ and bone marrow transplants, non-accidental trauma, pediatric cancer and blood disorders, and family dynamic/attachment issues that interfere with medical compliance and care.
- **NEUROPSYCHOLOGY** Pediatric Neuro-Assessment Program (PNAP): PNAP is one of the only ambulatory clinics in the Inland Empire that provides comprehensive neurodevelopmental and neuropsychological evaluations for children with complex medical conditions. Utilizing a multidisciplinary approach to whole person care, our team of neuropsychologists and neurologists work together to create personalized treatment plans and help families / medical teams understand a child's developmental trajectory. As part of the epilepsy surgery team, we assist in identifying the risks of surgery for children with refractory seizures. We also are a part of Transdisciplinary Neuroimmunology Team Clinic and provide consultation to children inpatient at LLU Children's Hospital and Totally Kids when there is a question of neuropsychological concerns impacting medical condition.
- **DEVELOPMENTAL DISORDERS** Inland Empire Autism Assessment Center of Excellence (AAC): AAC is an affiliate clinic that provides comprehensive neurodiagnostic evaluations to children and adolescents when they there is a concern for neurodevelopmental delays/disorder including Autism Spectrum Disorder, Intellectual Disability, Language Disorder, and other neurodevelopmental disorders. Children/adolescents between the ages of 2 and 21 are seen by a team of specialists including pediatric/child neurologists, pediatricians, pediatric psychologists/neuropsychologists, occupational therapists, speech and language pathologists, and intake coordinators. The evaluations generate a comprehensive picture of the child's/adolescent's capabilities and areas of weakness, diagnostic impressions, diagnoses, and recommendations/referrals to address areas of weakness. These results are shared with the child/adolescent (when applicable) and their parents both verbally and in writing.

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### PEDIATRIC PSYCHOLOGY CONT.





# LLUH is the only center or most performing in the Inland Empire for these procedures and services:

#### Medical Conditions

- Impact of degenerative and autoimmune neurological disorders.
- Epilepsy (including pre- and post-surgical evaluations).
- Impact of medically complicated conditions (like cancer, diabetes, sleep disorders, eating disorders or adolescent addiction).

#### • Neurodevelopmental Disorders

- Autism spectrum disorder.
- Attention Deficit Hyperactivity Disorder (ADHD).
- Intellectual disorder.
- Learning difficulties (dyslexia, dysgraphia, processing disorders and memory).
- Impact of congenital (from birth) and genetic (inherited) conditions.
- Developmental delays (delays in a child's normal development).

#### • Injuries

- Brain injury and concussion.
- Prematurity.
- Perinatal Insults.
- Fetal alcohol syndrome or other prenatal substance exposure.
- Cerebrovascular events.







# **PEDIATRIC RHEUMATOLOGY**







DIVISION HEAD Wendy De La Pena, MD

### **ABOUT US**

- If your child is experiencing persistent joint pain, unexplained joint swelling, or ongoing muscle pain, our pediatric rheumatologists are here to provide relief for autoimmune diseases. Our goal is to get kids back to being kids and having fun with less pain.
- Serving San Bernardino and Riverside counties, we offer diagnostic tests and treatment for children and young adults. We accept new referrals up to age 18 and see established patients up to age 21. We also provide referrals and transition plans for ongoing care into adulthood.

- Only center in the Inland Empire to provide comprehensive pediatric rheumatology care
- Diseases we care for:
  - Juvenile idiopathic arthritis
  - Juvenile dermatomyositis
  - Systemic lupus erythematosus
  - Sarcoidosis
  - Behcet's
  - Lupus
  - Vasculitis
  - Chronic nonbacterial osteomyelitis
  - Periodic fever syndrome
  - Uveitis
- Procedures
  - Joint aspirations and steroid injections







# **PEDIATRIC SURGERY**







DIVISION HEAD Donald Moores, MD

### **ABOUT US**

- The pediatric surgeons at LLUCH provide the only full-service practice in the Inland Empire, including pediatric robotic surgery.
- We focus on minimally invasive surgery including laparoscopic procedures for congenital anomalies.
- We are actively engaged in basic science and clinical research into neonatal conditions.
- We regularly participate in Global Surgery outreach with multiple collaborations.
- We participate in the National Surgical Quality Improvement Program, actively working to improve Patient Safety and Healthcare Quality.
- We have the only pediatric and neonatal ECMO program in the region.
- LLUCH is the only Level 1 Pediatric Trauma Center in the Region.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Congenital Neonatal Conditions
  - Congenital diaphragmatic hernias.
  - Esophageal atresia.
  - Intestinal atresia.
  - Anorectal malformations.

- Gastroschisis.
- Omphalocele.
- Hirschsprung's disease.
- General Surgery Issues
  - Appendicitis.
    - Gallstones.
    - Inguinal or umbilical hernias.
    - Ulcerative colitis.
    - Gastroesophageal reflux.
  - Choledochal cysts.
  - Enlarged spleens.
  - Placement peritoneal dialysis catheters.
- Oncologic
  - Wilm's tumors.
  - Neuroblastoma.
  - Other solid organ tumors.
- Pediatric Gynecologic Conditions
  - Ovarian cysts or masses.
  - Ovarian torsion.
- Thoracic Conditions
  - Pectus excavatum.
  - Lung lesions / tumors.
  - Bronchogenic cysts.
- Vascular

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- Placement of implanted central venous lines or portacaths.
- ECMO cannulation.



# **PEDIATRIC TRANSPLANT/CELLULAR THERAPY**







**DIVISION HEAD** Hisham Abdel-Azim

Patients diagnosed with cancer and blood diseases deserve every possible chance for cure. At Loma Linda University Cancer Center (LLUCC) we are providing the most advanced care for our patients.

LLUCC is the only comprehensive center of its kind in the Inland Empire that provides transplant and cellular therapy. We're pioneering research to find promising new treatments. Our specialized therapies treat cancer, blood diseases and other rare genetic and immune deficiency disorders.

### **ABOUT US**

- Loma Linda University Health is the only center that provides state of the art transplant/cellular therapy and comprehensive care for hematological malignancies in the Inland Empire.
- We are the only institution accredited by the Foundation for the Accreditation of Cellular Therapies (FACT) in the Inland Empire.
- We offer comprehensive services across all age groups, at both Loma Linda University Medical Center and Children's Hospital, with seamless transition across pediatric and adult care. This is all located inside the medical school campus with full support from and availability of various subspecialties.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

In addition to standard chemotherapy and immunotherapy we offer:

- Cell therapy using chimeric antigen receptor (CAR T) cells, natural killer (NK) cells, NK CAR cells and others immune cell-based (immune effector) therapies. These treatments use a person's own immune cells (or donor immune cells) to target cancer cells in blood cancers such as leukemia, lymphoma or myeloma. Cell therapy is also used to treat certain solid tumors.
- Gene Therapy using the person's own blood stem cells to modify a person's genes in these cells to treat or cure disease (e.g. gene therapy for sickle cell disease or thalassemia).
- Bone marrow transplants (BMT): this treatment uses marrow or peripheral blood stem cells either from same person (autologous) or a matched donor (allogeneic related or unrelated) to treat certain cancers, blood diseases, genetic, immunological, or metabolic disorders.



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# PEDIATRIC TRANSPLANT/CELLULAR THERAPY CONT.





- Cord blood transplants: this treatment uses matched (related and unrelated) cord blood to treat certain cancers, blood diseases, genetic, immunological, or metabolic disorders.
- Haploidentical (half-match) transplants: this theatment provides more options for patients who do not have a matched sibling or unrelated donor, which is increasingly common in our diverse population.
- Peripheral blood stem cells (PBSC), lymphocytes and bone marrow (BM) collections (autologous and allogeneic).
- Extracorporeal photopheresis for TCT and non TCT related services.

### **Cancers and Blood Diseases we Treat:**

- Acute lymphoblastic leukemia (ALL).
- Acute myeloid leukemia (AML).
- Hodgkin lymphoma.
- Non-Hodgkin lymphoma.
- Multiple Myeloma.
- Myelodysplastic syndrome (MDS).
- Amyloidosis.
- Chronic myelomonocytic leukemia (CMML).
- Chronic lymphocytic leukemia (CLL).
- Chronic myeloid leukemia (CML).
- Cutaneous T cell lymphoma.
- Hairy cell leukemia.
- Juvenile myelomonocytic leukemia (JMML).
- Myeloproliferative disorders.
- Solid tumors, including germ cell tumors, neuroblastoma and Ewing's sarcoma.
- Brain tumors, including medulloblastoma.
- Aplastic anemia.
- Thalassemia.

- Sickle cell disease.
- Immune deficiencies (e.g. severe combined immunodeficiency (SCID)) and disorders such as hemophagocytic lymphohistiocytosis (HLH).
- Inherited bone marrow failure syndromes (e.g. Fanconi anemia.
- Inherited metabolic disorders (e.g. Leukodystrophies, Mucopolysaccharidoses).
- Osteopetrosis (marble bone disease).
- White blood cell disorders, including chronic granulomatous disease, severe congenital neutropenia and leukocyte adhesion deficiency.

### **Facilities**

- Inpatient treatment is administered in 2 units (adults and pediatric units) that are HEPA filtered/laminar airflow beds to protect our vulnerable patients from infection.
- Outpatient treatment is administered in state-ofthe-art infusion centers that provide multiple types of infusion and transfusion therapies in a comfortable setting to support patients and families during treatments.

### Research

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• We offer several clinical trials in Transplant/Cellular Therapy and Hematological Malignancies that offer additional and innovative treatment options for our patients.



# **PEDIATRIC UROLOGY**







**DIVISION HEAD** David Chamberlin, MD

### **ABOUT US**

- The urologists at Loma Linda University Health are committed to Whole Person Care, recognizing the "personhood" of even the smallest child.
- We treat a full range of pediatric urologic dysfunction, our pediatric urologists provide consultation, diagnosis, and treatment for conditions such as hypospadias, vesicoureteral reflux, undescended testes, and urinary tract infections.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Bedwetting.
- Biofeedback.
- Bladder augment.
- Bladder exstrophy.
- Circumcision.
- Complex reconstruction for congenital disorders.
- Complex urogenital reconstruction.
- Differences in sexual differation CAH/DSD.
- Dysfunctional voiding.
- Hydrocele.
- Hydronephrosis.
- Hypospadias.

- Infant / children/ adolescent robot, lap, endoscopic, open, surgery.
- Inguinal hernias.
- Kidney stones.
- Minimally invasive procedures/laparoscopic procedures including lap orchiopexy and nephrectomy.
- Multidisciplinary CAH clinic.
- Multidisciplinary spina bifida clinic.
- Neurogenic bladder.
- Pediatric robotic reconstructive surgery Infant (<1 yr).
- Penile chordee repair.
- Penile torsion repair.
- Renal cancer.
- Surgery for complex urethral stricture disease.
- Testes cancer.
- Testes torsion.
- Undescended testes.
- Undescended testicles.
- Ureteral reimplantation.
- Ureteral stricture.
- Urethral reconstruction.
- Urethral stricture.
- Urodynamic.s
- UTI.
- Vesicoureteral reflux.





# PEDIATRIC VASCULAR AND INTERVENTIONAL RADIOLOGY







**DIVISION HEAD** Jason Smith, MD

### **ABOUT US**

- The Division of Pediatric Radiology, Loma Linda University Children's Hospital (LLUCH) provides comprehensive pediatric imaging in all imaging modalities for pediatric diagnostic problems for the neonate, infant, juvenile, and adolescent.
- It serves the extensive pediatric physician referral base of Southern California's Inland Empire – the large Southern California counties of San Bernardino, Riverside, Inyo and Mono that extend eastward from Los Angeles to the western Nevada border.
- Pediatric radiology is distinguished from adult radiology by technical factors, equipment, protection, immobilization and methods of communication with children and their parents, as well as providing distinctive diagnostic processes for pediatric disease.

#### LLUH is the only center or most performing in the Inland Empire for these procedures and services:

- Port, PICC and central line placement for long-term venous access.
- Renal artery stenting for renal artery stenosis
- Embolization for lymphatic or vascular malformation.
- Sclerotherapy.
- Salivary gland botulinum toxin injection.
- MR lymphangiography and thoracic duct embolization for chylothorax, chylous ascites and plastic bronchitis.
- Percutaneous gastrostomy and gastrojejunostomy tube placement for long-term enteric access.
- Intravascular foreign body retrieval.
- Adrenal or renal vein sampling for endocrine tumor workup.
- Ablation of painful bone tumors such as osteoid osteoma.
- Percutaneous drainage or stenting of obstructed renal and biliary systems.
- Abscess and fluid collection drainage.
- Percutaneous image-guided biopsy.





# Thank you to all our unwavering supporters and insightful contributors

Our Mission To continue the teaching and healing ministry of Jesus Christ



