

UCSF Hospitals at a Glance



UCSF Medical Center and UCSF Benioff Children's Hospitals are recognized throughout the world for innovative treatments, advanced technology, collaboration among clinicians and scientists, and a highly compassionate team of patient care providers.

UCSF Medical Center

UCSF Benioff Children's Hospitals

Access our world-class care

Finding a doctor

UCSF Medical Center and UCSF Benioff Children's Hospital San Francisco

For personal help finding a specialist or a primary care physician, please contact the UCSF Referral Center or visit our websites.

Phone: 888-689-8273 (888-689-UCSF)

Email: referral.center@ucsfmedctr.org

Web: www.ucsfhealth.org/findadoctor (adults)

www.ucsfbenioffchildrens.org/findadoctor (children)

UCSF Benioff Children's Hospital Oakland

Phone: 510-428-3000

Web: www.childrenshospitaloakland.org/findadoctor

Specialty care clinics

UCSF Medical Center and UCSF Benioff Children's Hospitals have outreach clinics from San Luis Obispo to the Oregon border. Our doctors treat patients at these clinics, which are affiliated with doctors, medical groups and hospitals in communities throughout Northern California and beyond, so patients can receive our services closer to home.

Adult clinics: www.ucsfhealth.org/specialtyclinics

Pediatric clinics: www.ucsfbenioffchildrens.org/specialtyclinics
www.childrenshospitaloakland.org/specialtyclinics



The numbers for 2014

1

Ranking among Bay Area
hospitals (UCSF Medical Center)*

2,228

Babies delivered at the UCSF
Center for Mothers and Newborns

495

Licensed beds (adults)

36,907

Surgical procedures performed

345

Licensed beds (children)

39,644

Hospital admissions

2,795

Physicians

88,457

Patients treated in the
Emergency Departments

3,795

Registered nurses

1,060,096

Outpatient visits

11,935

Employees

*U.S. News & World Report, Best Hospitals 2014-15

Except where noted, all numbers reflect combined totals for UCSF Medical Center and UCSF Benioff Children's Hospitals.



UCSF Hospitals at a Glance

UCSF Medical Center

- **Among America's best hospitals:** UCSF Medical Center is consistently ranked among the top 10 hospitals in the United States and the best in Northern California.*
- **Top-ranked specialists:** Many specialty services are nationally ranked, including cancer, diabetes and endocrinology, gynecology, neurology and neurosurgery, rheumatology and urology.*
- **Exceptional nurses:** UCSF is among only 7 percent of American hospitals to earn the prestigious Magnet designation for excellence in nursing from the American Nurses Credentialing Center.
- **First in cancer care:** The UCSF Helen Diller Family Comprehensive Cancer Center is the only Bay Area cancer center designated as comprehensive by the National Cancer Institute. The center's new UCSF Bakar Cancer Hospital brings researchers and clinicians side by side, helping foster new treatments and speeding their delivery to patients.
- **Transplant pioneers:** Since 1963, more than 10,000 successful organ transplant operations have taken place here. More kidney transplants are performed here than at any other institution in the world.
- **Brain tumor expertise:** UCSF is home to one of the largest brain tumor centers in the nation; doctors here operate on nearly 1,000 brain tumors in adults and children and treat more than 2,500 patients in clinics each year.
- **Musculoskeletal experts:** The 42,000-square-foot UCSF Orthopaedic Institute offers outpatient services and surgery and features the only Human Performance Center in San Francisco.
- **Premier women's health center:** UCSF is home to Northern California's only National Center of Excellence in Women's Health and the UCSF Betty Irene Moore Women's Hospital, the first hospital in the region devoted exclusively to women.

*U.S. News & World Report, Best Hospitals 2014-15

UCSF Benioff Children's Hospital San Francisco

- **A leader in children's health:** UCSF Benioff Children's Hospital San Francisco is the only pediatric hospital in Northern California nationally ranked in each of the 10 specialties surveyed by U.S. News & World Report – a distinction shared by only 21 children's hospitals nationwide.*
- **First in fetal surgery:** UCSF physicians performed the first successful surgery on a baby in the womb and are leaders in the field of fetal diagnosis and treatment.
- **Critical care for newborns:** The neonatal Intensive Care Nursery (ICN) was one of the first of its kind in the world. The 50-bed nursery cares for more than 1,000 infants each year.
- **Breakthrough treatments:** UCSF researchers developed the first lifesaving treatments for premature infants whose lungs aren't fully developed, reducing infant mortality in the developed world by 50 percent within two years of its introduction.
- **Integrated care for children's brains:** The Pediatric Brain Center coordinates the work of multiple specialty centers, clinics and research efforts to advance the standard of neurological care for children.
- **Leaders in bone marrow transplantation:** Among the largest transplant centers for children in North America, our program is internationally recognized for its expertise in treating children with high-risk neuroblastoma.

*U.S. News & World Report, Best Children's Hospitals 2014-15



UCSF Benioff Children's Hospital Oakland

- **Advanced pediatric trauma care:** UCSF Benioff Children's Hospital Oakland is one of the most active and comprehensive Level 1 Pediatric Trauma Centers in the western United States.
- **Internationally renowned research:** The hospital's research institute is ranked among the nation's top 10 research centers in National Institutes of Health funding to children's hospitals.
- **Nationally recognized cystic fibrosis (CF) center:** The CF center is a nationally certified treatment center, regarded as a model for programs nationwide.
- **Unparalleled rehabilitation care:** The Division of Rehabilitation Medicine is the largest pediatric inpatient rehabilitation unit in Northern California.
- **Research with global impact:** The research institute built the largest recombinant DNA library in the world, providing 85 percent of the genes cloned for the Human Genome Project.
- **Leaders in diabetes care:** The Diabetes Clinic is the largest pediatric diabetes diagnosis and treatment center in Northern California – helping kids and families manage the disease and lower the risk of complications.
- **Pioneers in child life services:** Children's Oakland was one of the first hospitals in the nation to develop a Child Life Services program – utilizing specialists trained in child development to help young patients adapt to the hospital experience, reducing their anxiety and expediting recovery.



Our Mission Bay hospitals: a turning point in patient care

UCSF Medical Center at Mission Bay is our newest, state-of-the-art hospital complex, which has been designed to ensure that our facilities match UCSF's top-notch patient care. Our new hospitals were built with a focus on the patient's experience every step of the way. At Mission Bay, you'll find the latest technology, including telemedicine, robotics and intraoperative imaging, as well as space to accommodate tomorrow's innovations. Built alongside UC San Francisco's vibrant research hub, our new hospitals bring together leading physicians and scientists to accelerate the translation of laboratory discoveries into actual treatments and cures. All of this is housed in a structure that incorporates the highest standards of patient safety, energy efficiency, seismic readiness and environmental sustainability.

www.ucsfmissionbayhospitals.org





UCSF Medical Center and UCSF Benioff Children's Hospitals strive to provide equal access to our facilities and services for our patients with disabilities. For more information or assistance, please call Patient Relations at 415-353-1936.



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UCSF Medical Center

UCSF Benioff Children's Hospitals

HOSPITAL LOCATIONS

UCSF Medical Center at Parnassus

505 Parnassus Ave. | San Francisco, CA 94143

UCSF Medical Center at Mount Zion and

UCSF Helen Diller Family Comprehensive Cancer Center

1600 Divisadero St. | San Francisco, CA 94115

UCSF Bakar Cancer Hospital

1855 Fourth St. | San Francisco, CA 94158

UCSF Benioff Children's Hospital Oakland

747 52nd St. | Oakland, CA 94609

UCSF Benioff Children's Hospital San Francisco

1975 Fourth St. | San Francisco, CA 94158

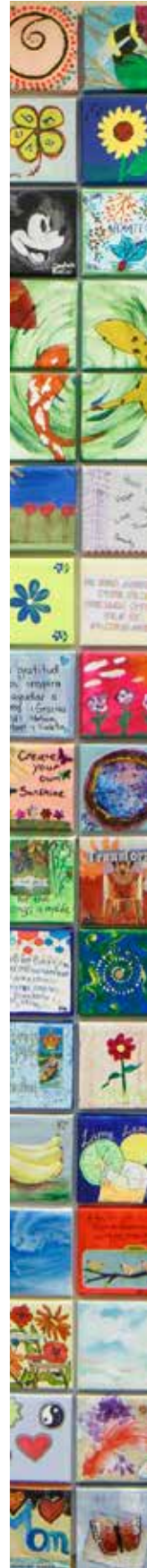
UCSF Betty Irene Moore Women's Hospital

1855 Fourth St. | San Francisco, CA 94158

www.ucsfhealth.org | www.ucsfbenioffchildrens.org
www.childrenshospitaloakland.org

The Future of Children's Health

Investing in Pediatric Care and
Research at UCSF



“Through care, research, and education, UCSF has the expertise, the track record, and the drive to transform every aspect of pediatric medicine. Generous donors who make children’s health their priority are our valued partners. We couldn’t achieve all we do without them.”

– Donna Ferriero, MD; W.H. and Marie Wattis Distinguished Professor; Chair, Department of Pediatrics; Physician-in-Chief, UCSF Benioff Children’s Hospital San Francisco



Healing and Hope

At UCSF Benioff Children’s Hospitals, we believe nothing is more precious than the health of a child. Our vision is to provide healing and hope for kids and the families who love them – in the Bay Area and around the world.

A passion for wellness, a commitment to pioneering medicine, mentoring for next-generation physicians and scientists, an exceptional healing environment – these strengths define UCSF Benioff Children’s Hospitals, our world-class pediatric enterprise. If you share our dedication to the health and welfare of children, you will find in UCSF an outstanding partner in which to invest.

Even Better Together

In 2014, UCSF Benioff Children’s Hospital San Francisco and Children’s Hospital Oakland joined forces to become UCSF Benioff Children’s Hospitals, creating one of the world’s most comprehensive systems of pediatric medicine. Each hospital provides leading-edge care and, through ongoing investment in next-generation therapies, hope for children and families. Together, they build on each other’s historic strengths to operate more efficiently, deliver better outcomes, and serve a much broader region than either hospital could reach on its own.

Our campuses in San Francisco and Oakland and our continuing legacy of innovation strategically position us to serve the unique needs of young patients, today and in the future. Building on pediatric breakthroughs, we cultivate and restore health in children of all ages. Our patients range from fragile premature babies struggling with life-threatening immune or brain disorders to young adults overcoming the effects of diabetes or kidney disease.

Thanks in part to therapies discovered and developed at UCSF, young people are surviving illnesses that once took their lives in infancy or early childhood. That’s a track record we will extend throughout the 21st century with our distinctive combination of breakthrough healing and hope – for therapies, cures, and possibilities previous generations never could have imagined.

9

Pediatric specialties in which UCSF is ranked among the nation's finest by *US News & World Report*

Top 10

National ranking, by size, of UCSF Benioff Children's Hospitals among enterprises of pediatric medicine



Collaborative Medicine

UCSF is known for caring, comprehensive, innovative pediatric medicine that supports the whole child – physical, mental, emotional, and social health – and the entire family. Dedicated, expert teams that collaborate with each child's personal support network drive our success.

With an approach to pediatric medicine that's equal parts high-touch and high-tech, UCSF provides collaborative care for children whose complex health challenges often transcend the scope of a single medical discipline.

Infants born with congenital brain or heart ailments, children with rare blood disorders, young adults who require liver or kidney transplants, pediatric cancer patients whose long-term treatment threatens their social connections and progress in school – these are just a few of the health challenges that tap UCSF's

expertise across 65 pediatric subspecialties. World-class pediatricians, specially trained neonatal nurses, pediatric surgeons, dietitians, physical therapists, social workers, rehabilitation specialists, teachers – all contribute their knowledge and compassionate perspectives to each patient's support team.

Pediatric medicine at UCSF grows from groundbreaking science that enables us to apply the latest treatments, technologies, and care approaches to the unique needs of children. UCSF child life specialists understand the challenges of childhood illness and help customize a care strategy for each young patient. As a teaching hospital, we cultivate this child-centric philosophy in future pediatric leaders. We also engage, educate, and support parents, siblings, and caregivers.

Intensive Care for Fragile Brains

UCSF's Neuro-Intensive Care Nursery is the first unit of its kind in the United States. With world-renowned specialists, it's also the leader in brain-focused neonatal care. Our tiny patients include extremely premature infants with fragile brains and babies who suffer from stroke, encephalopathy, seizures, hemorrhages, genetic disorders, and brain malformations. As one of only a few hospitals nationwide providing this level of care, UCSF serves as a rare resource for a vulnerable population and draws families in need from across the country.



“ At UCSF, we’re passionate about taking discoveries from the lab and bringing them into the clinic. ”

– Mignon Loh, MD; Deborah and Arthur Ablin
Endowed Chair in Pediatric Molecular Oncology;
Chief, Division of Pediatric Hematology/Oncology



From Science to Hope for Infants with SCID

Severe combined immune deficiency (SCID) was once called the “bubble boy syndrome.” Babies suffered infection after infection before doctors realized the cause. By then, it often was too late. Today, there’s hope for infants born with SCID. A simple, cost-effective genetic test discovered and developed at UCSF in 2010 now is part of routine testing performed on every newborn in California. Immune-challenged infants are identified early and with intervention, can live life outside the bubble.

Transformative Discovery

UCSF physicians and scientists are partners in the future of pediatric medicine, striving for breakthroughs that can be translated into new treatments and cures. Advanced through clinical trials, these innovations ultimately serve children everywhere.

With a team of researchers that includes several Nobel Prize winners, UCSF is recognized worldwide as a place where modern science paves the way for tomorrow’s medicine. UCSF innovations already have transformed care for children all over the world. The first successful surgery on a baby in the womb was performed here. Mechanical ventilation advanced at UCSF dramatically improved the survival rate for babies with underdeveloped lungs. We pioneered a magnetic resonance imaging crib that lets technicians scan even the tiniest infants. And our groundbreaking genetic research spurred the mass production of recombinant human insulin to treat diabetes, one of the most prevalent childhood diseases.

UCSF scientists make discoveries related to virtually every aspect of children’s health, including asthma, birth defects, blood disorders, cancer, cardiac disease, diabetes, iron metabolism, HIV/AIDS, neurological disorders, nutrition, kidney disease, and vaccines. Because our scientific research labs and our San Francisco hospital are across the street from each other on our Mission Bay campus, we gain an advantage in rapidly translating laboratory research into treatments and cures to address a wide range of challenges, from infectious diseases to childhood obesity. UCSF pediatric patients get unique opportunities to take part in clinical trials of new, experimental medications and treatments before they’re widely available to the public.

175

Teens who attended a special prom at UCSF Benioff Children’s Hospital San Francisco last year

8,600

Approximate number of children admitted to UCSF annually

55,800

Approximate number of outpatient visits annually

\$80.9 million

Research funding received last year

300+

Clinical trials in process at any given time



“It can be tough operating on kids in a facility that’s really designed for adults. UCSF’s new children’s hospital at Mission Bay changes all that.”

– Cassandra Robertson, RN, MSN, Patient Care Manager, Pediatric Surgical Services



Exceptional Environment

With a new, state-of-the-art children’s hospital at Mission Bay, UCSF raises the bar for medical enterprises that serve children and families. Add the close proximity to groundbreaking scientific research and a deep commitment to the community, and you have the foundation for truly innovative pediatric medicine.

UCSF Benioff Children’s Hospital San Francisco inhabits an environment thoughtfully designed with input from patients, families, physicians, nurses, social workers, neighbors, and experts in sustainable architecture and child-friendly design. The result is a facility built from the ground up to promote the well-being of children, a focus that is evident throughout our hospital. The lobby’s design gives children a sense of comfort and control. Individual patient rooms include child-size equipment and furniture as well as accommodations for overnight guests. Art, gardens, and play spaces welcome all-ages visitors. Natural light floods hallways and rooms, and 100-percent fresh Northern California air, pumped in from outside, circulates at all times.

Additional features promote innovation, access to care, and collaboration. Each patient room is equipped with a high-tech media wall for information, communication, and entertainment. San Francisco’s only medical-use helipad makes UCSF Benioff Children’s Hospital accessible to critically ill children across Northern and Central California and Nevada. Close proximity to new women’s specialty and cancer hospitals enables physicians to partner across disciplines.

Community support helped build this hospital, and serving the community – including nearby underserved neighborhoods – is our goal. We are committed to providing a safety net for children in need, making exceptional care available regardless of a family’s ability to pay.

Child-Centric Emergency Care

When children visit a hospital emergency department, they often wait among adults whose needs may be more acute or of higher risk. At UCSF Benioff Children’s Hospital San Francisco, children who need urgent care come first. At Mission Bay, we operate the first pediatric emergency department in San Francisco, designed specifically for children and teens. This comfortable, child-friendly facility is operated by specialists in pediatric emergency care who, drawing on UCSF’s many strengths, can facilitate fast referrals to specialists when needed.

1,400

Children who take classes annually through UCSF's hospital-based Marie Wattis School for patients and their siblings

\$14 million+

Annual value of charity care to our community

47

Projected percentage of children visiting the new UCSF Benioff Children's Hospital San Francisco who come from families that rely on MediCal/self-pay and other programs that cover disadvantaged populations



Partners in Progress

When visionary partners invest in the finest pediatric care; innovative discovery; a pace-setting, healing environment; and a community-wide safety net for children, extraordinary breakthroughs are possible. For children and the families who love them, those breakthroughs create healing and hope.

Individual donors, businesses, foundations, and other partners are essential to every aspect of UCSF's vision to provide and develop the best pediatric medicine possible. Your philanthropy helps fuel research that can solve childhood health problems, bolsters our patient care, ensures access to health care for any child who needs it, and nurtures tomorrow's pediatric health care leaders.

If you care about the health and well-being of children in the Bay Area, and if you are passionate about advancing discoveries that will be shared with children around the world, we invite you to invest in UCSF and take pride in your impact on the future of pediatric medicine.

To learn more about how you can support UCSF Benioff Children's Hospitals, call (415) 476-4647 or visit give.ucsfbenioffchildrens.org.



MISSION BAY HOSPITALS

UCSF Benioff Children's Hospital San Francisco



By gathering the world's finest pediatric clinicians and UCSF's world-renowned research enterprise in a remarkable, state-of-the-art facility tailored to the needs of children and families, UCSF Benioff Children's Hospital San Francisco is forging a new and better approach for meeting children's health care needs.



UCSF Benioff Children's Hospital
San Francisco



Leading Care for Kids

As the only children's hospital in San Francisco, UCSF Benioff Children's Hospital San Francisco is home to some of the world's finest clinicians delivering advanced pediatric services – including emergency and specialty outpatient care – in a physical space that celebrates healing and the special needs of children.

UCSF Benioff Children's Hospital San Francisco:

- Is the only pediatric hospital in Northern California nationally ranked in each of the 10 specialties surveyed each year by U.S. News & World Report – a distinction shared by only 21 children's hospitals nationwide.*
- Is a leader in fetal diagnosis and treatment, including having performed the first successful surgery on a baby in the womb.
- Is home to one of the world's first neonatal intensive care units, which cares for more than 1,000 infants each year.
- Delivers specialized treatment for infants who show signs of brain damage in the first neurointensive care nursery in the United States.
- Is among the largest blood and marrow transplantation centers for children in North America.
- Delivers the most advanced care for pediatric neurological disorders from a multidisciplinary team of experts at the Pediatric Brain Center.

*U.S. News & World Report, Best Children's Hospitals 2013-2014



Catalyzing a New Era in Children's Health Care

UCSF Benioff Children's Hospitals in San Francisco and Oakland are among the nation's best children's hospitals, with high-touch, high-tech care rooted in a deep and enduring commitment to patients throughout the Bay Area. Moving our San Francisco hospital to a physical space that celebrates healing and the special needs of children enhances our leadership in children's health care.

Collaboration is Key

By embedding clinical care within our research enterprise at Mission Bay, UCSF physicians and scientists at the forefront of children's health will be able to more readily translate discoveries into next-generation therapies and cures.

Connecting Care

The UCSF Ron Conway Family Gateway Medical Building houses a variety of specialty outpatient services for children, women and cancer patients. The building is connected to the adjacent hospitals, allowing patients to access both inpatient and outpatient services on one connected floor.



From family-friendly rooms to rooftop gardens, each detail of the new hospital has been carefully chosen to create an environment that soothes, entertains and supports the healing of our young patients.



A Home Away from Home

Light-filled private rooms comfortably accommodate parents and loved ones. An in-room multimedia wall keeps patients entertained and connected. New, state-of-the-art child life areas give kids the chance to be kids – even in the hospital.

High-Tech, High-Touch

Leading-edge technology, like robotic “TUGs” that deliver meals and medications, is front and center at the hospital. This technology is designed to improve our patients’ experience while freeing up providers to do what they do best: focus on patients and their families.



New Facility Enhances Patients Safety, Comfort and Access



Our new facility at Mission Bay:

- **Optimizes technology** – Spacious operating rooms are fully integrated with technology interfaces throughout the hospital and beyond, enabling us to speed test results and clinical insights to patients' bedsides.
- **Helps prevent hospital-acquired infections** – Every room is a single-bed room, with hand-washing sinks and hand-sanitizer dispensers located near entryways. Rubber floors in patient units reduce toxins and eliminate the need for waxing. One-hundred-percent fresh air will circulate throughout the hospital at all times.
- **Reduces the risk of medical errors** – UCSF's automated hospital pharmacy – believed to be the nation's most comprehensive – uses robotic technology and electronics to prepare, track and dispense bar-coded medications. At the patients' bedsides, barcode readers scan the medication and verify the correct dosage for improved patient safety.
- **Facilitates more attentive care** – Multiple, separate nurses' stations keep nurses closer to their patients.
- **Fosters collaboration** – Telemedicine consults can stretch from San Francisco to regions around the world, facilitating knowledge sharing among the world's best clinical minds.
- **Eases pediatric imaging** – Children undergo CT scans and MRIs in a specialized imaging suite that allows them to select a theme of sights and sounds that transforms their diagnostic visit into an adventure tailored to their interests. This minimizes their anxiety and restlessness, resulting in better quality scans.
- **Empowers patients with a high-tech communications interface** – Large media walls in every room allow patients and families to access entertainment, the Internet, medical records and patient education, as well as to order housekeeping and food services and communicate with their providers.



Our new helicopter – Bear Force One – is available 24/7 to respond to any hospital referral within a 150-mile radius of our Mission Bay facility.

Emergency Department

Our **Children's Emergency Department** was designed and built with kids' and families' unique needs in mind. Staffed around the clock by board-certified pediatric emergency medicine physicians, as well as nurses and other specialists trained in children's emergency medicine, it features child-sized equipment and child life specialists to help kids be less fearful and understand their treatment. For non-life-threatening emergencies, parents can use InQuicker, an online system to choose an available time for their child to be seen and wait in the comfort of home until their scheduled time.

Emergency Transport

Our fleet of emergency transport vehicles brings the intensive care unit to patients and referring facilities throughout Northern California – and quickly and safely delivers patients to our new facility. Stocked with state-of-the-art critical care monitoring equipment and staffed with experienced teams trained in advanced practice procedures for pediatric and neonatal care, our transport vehicles enable us to respond with remarkable speed and efficiency to virtually any hospital in need of our services.

- **Our new helicopter – Bear Force One** – is available 24/7 to respond to any hospital referral within a 150-mile radius of our Mission Bay facility. The helideck at Mission Bay has its own GPS to facilitate safe landing.
- **For distances greater than 150 miles, we have King Air fixed-wing aircraft;** for out-of-state transports, we have Leer jet capability. All of our twin-engine aircraft are instrument flight rules equipped, which enables them to fly safely through clouds and fog. The planes land at San Francisco Airport where our fully equipped ambulance meets them to complete patients' delivery to the hospital.
- **Our ambulance** has a state-of-the-art self-contained, separate power plant, along with ECMO capabilities, climate controlled medication storage and rapid cooling technology; the cooling technology supports protocols that keep all patients at target temperatures. We can transport two patients at a time in separate suites with children's entertainment systems. Our industry-leading infection control system allows us to make the ambulance absolutely sterile in 10 minutes. In case of accident, our crash rail system prevents anything from entering the work area.



Multidisciplinary Programs Drive Care Improvements



The **Pediatric Brain Center** brings together UCSF experts in pediatric neurology, neurosurgery, neurocritical care, neurogenetics, neuro-oncology, rehabilitation, neuroradiology, neuropsychology and psychiatry. The goal is to arrive at the right diagnosis and treatment quickly and provide the best possible outcomes for children with anything from autism and concussion through epilepsy, stroke and brain tumors.

- The country's first **Neurointensive Care Nursery (NICN)** ensures that an expert, multidisciplinary team is present around the clock to care for infants at risk for neurological problems, including stroke and seizures.
- The **Pediatric Stroke and Cerebrovascular Disease Center**, one of only a handful of such centers nationwide, provides expert diagnosis and treatment for neonatal and childhood ischemic and hemorrhagic stroke.
- The **Pediatric Epilepsy Center** has earned the highest possible rating from the National Association of Epilepsy Centers. Expert teams offer comprehensive, state-of-the-art epilepsy care to all children, from the newborns to adolescents.
- The most comprehensive **Pediatric Neurosurgery Service** in Northern California includes a multidisciplinary team with particular expertise in the management of cerebrovascular disorders, complex brain tumors and epilepsy in children.

The **Fetal Treatment Center** is a world leader in diagnosing and treating birth defects before delivery. The first hospital in the world to successfully perform open fetal surgery, UCSF has more experience with fetal surgery and endoscopic fetal intervention than any other institution worldwide. The Fetal Treatment Center partners with the Fetal Cardiovascular Program and the UCSF Pediatric Heart Center to deliver world-class care for fetuses, infants and newborns with heart conditions.

The **Pediatric Heart Center** offers the most advanced diagnostic and treatment techniques for all forms of congenital and genetically based heart disease. Sophisticated imaging detects problems during fetal development, giving families more time to consider treatment choices and helping health care teams better manage pregnancy and lessen the risks of potential procedures after birth. We have pioneered interventional catheterization and surgical treatments for fetuses, neonates, children, teens and adults with congenital heart defects, resulting in reduced risks and improved quality of life.



With more than 150 specialists in all areas of medicine, UCSF Benioff Children's Hospital San Francisco provides care for a broad range of conditions, from the common to the extremely rare.



The **Cancer and Blood Disease Program**, an international leader in its field, brings together a series of specialty clinics that offer compassionate, interdisciplinary care tailored to the unique needs of children. The program includes a pediatric treatment center where specially trained nurses perform outpatient chemotherapy infusions, transfusions and procedures in a child-friendly environment. In addition, teams from our program lead – and are part of – multiple clinical trial groups that improve the survival rates of children with cancer, as well as the quality of their lives.

The **Pediatric Kidney and Pediatric Liver Transplant Programs** are among the nation's leading organ transplant centers for children, having performed hundreds of kidney and liver transplants in both children and teenagers. Major insurance providers have designated these programs as Centers of Excellence and, for liver transplants, we are a US Department of Health and Human Services Center of Excellence.

Clinics and Centers for Allergic and Immunologic Disorders provide early diagnosis and optimal treatment of children who have insufficient immunity or poor regulation of immunity leading to allergic conditions. Three expert programs collaborate to meet this need.

- The **Pediatric Allergy and Asthma Clinic** specializes in diagnosis of food allergies and also provides treatment for children with other allergic disorders that include allergic rhinitis, drug allergies, atopic dermatitis and anaphylaxis.
- Physicians in the **Pediatric Immunology Center** diagnose and treat children with nearly all primary immunologic disorders, from severe combined immunodeficiency (SCID) to hypogammaglobulinemia and white blood cell defects.
- The **Pediatric Blood and Marrow Transplant Program** provides life-saving treatment to children with cancer, immune system diseases, marrow failure syndromes, metabolic diseases, thalassemia, sickle cell disease and other conditions. Achievements include performing the first pure blood stem cell transplant from a parent to a child with SCID in North America.

The **Pediatric Gastroenterology, Liver and Nutritional Disorders Clinics** deploy pediatric gastroenterologists to diagnose and manage digestive, liver and nutritional disorders in infants, children and adolescents up to 21 years old. Our program treats a wide range of conditions from inflammatory bowel disease, malabsorption syndromes and intestinal motility disorders to hepatitis and liver and intestinal failures with help from a pediatric registered dietitian, a nutritionist and social services.

The **Adolescent Eating Disorders Clinic** provides medical care for teens and young adults with eating disorders, while also addressing nutrition and exercise concerns and the psychological issues driving the disorder. Drawing on more than 30 years of treating eating disorders, UCSF nutritionists, social workers and specialists in adolescent medicine meet with patients and work together to develop a treatment plan that includes supplementation regimens, meal planning, mental health therapy and help from community resources.

The **Madison Clinic for Pediatric Diabetes** is widely acknowledged as a model for how to help children, young adults and their families manage this chronic condition. A center of excellence in clinical diabetes care, the clinic provides state-of-the-art care for young patients with diabetes through individualized and comprehensive management with an emphasis on education, outreach and the use of advanced technologies. The clinic's groundbreaking transition program is designed to help teens and young adults gradually gain the skills they need to manage diabetes independently, and each patient and family is paired with a specific nurse and physician team to optimize their experience and respond to their concerns quickly and effectively.



Support for Children's Quality of Life

Integrated Pediatric Pain and Palliative Care Service

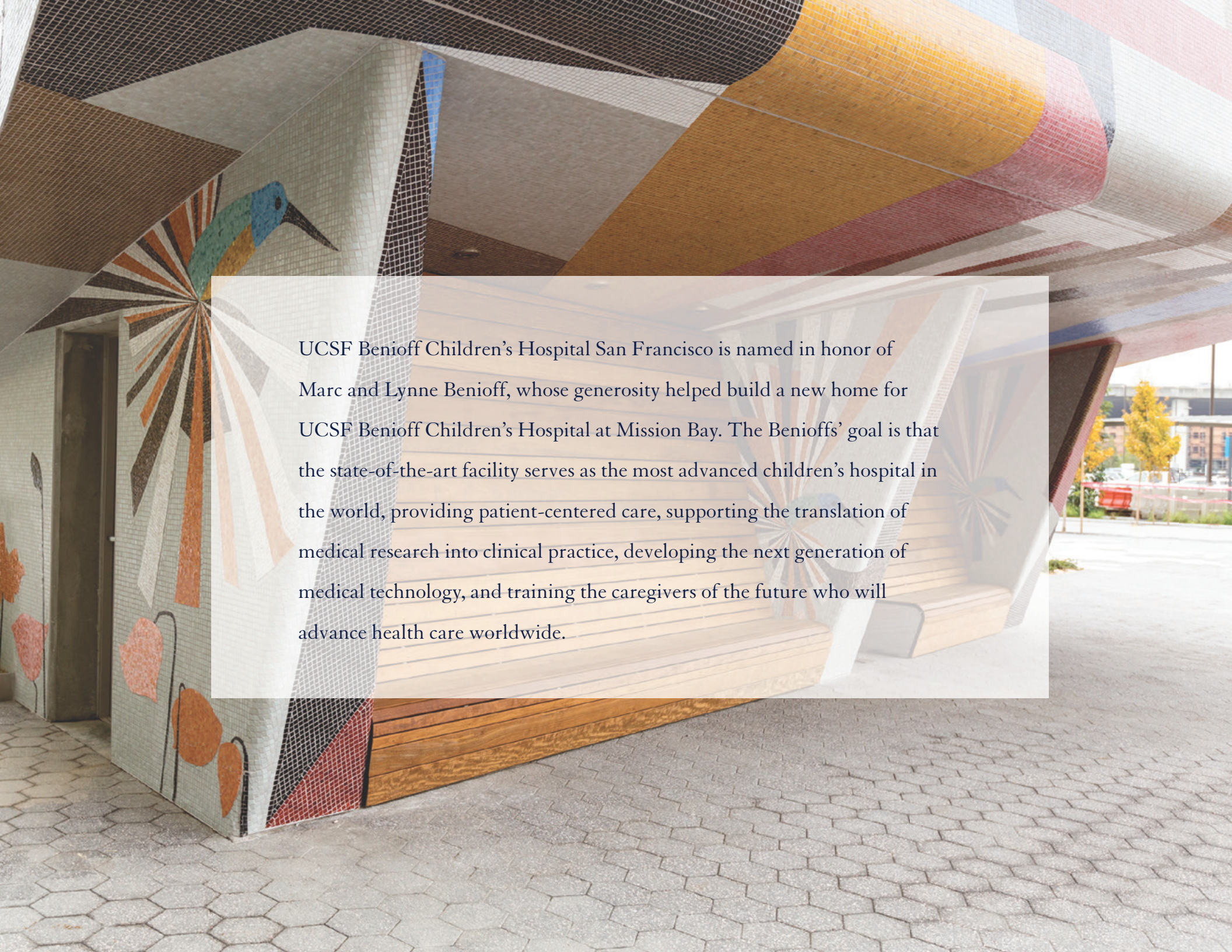
Our Integrated Pediatric Pain and Palliative Care Services is an interdisciplinary approach to pain and symptom management that also supports patients and families in crisis or those living with a life-threatening or life-altering illness. The service combines cutting-edge pharmacological and interventional treatments with psychological and spiritual care, as well as integrative treatments that include acupuncture and biofeedback.

Child Life Services

Because young patients sometimes require frequent or extended stays, our nationally recognized Child Life Department helps children and teens find their time with us comforting, stimulating and life affirming. Our child life programs include:

- **Center for Families** – A lounge, resource center, health library, business center and concierge desk, where parents and other family members may tend to various needs while remaining near their children. The center is staffed by parent liaisons who provide peer-to-peer support and resources to help families navigate the hospital environment.
- **Marie Wattis School** – This dedicated, accredited San Francisco Unified School District classroom helps school-age children keep up with their studies.
- **Creative Arts Studio** – A creative arts therapist and artists-in-residence help children and teens immerse themselves in the arts as a means for coping with illness and recovery. The space includes a studio for dance, music and other forms of live performance – and its proximity to the broadcast control room for the hospital's closed-circuit TV system allows patients to broadcast shows that reach across the divide of medical isolation.
- **Digital Arts Studio** – With its multimedia workstations, private listening rooms, and technically advanced equipment, this studio encourages children and teens to make short films, record digital music, learn valuable skills and discover new ways to express themselves during a difficult period in their lives.
- **Activity rooms** – The Playroom and Teen Room are dedicated spaces where children and teens can play, relax, socialize and support one another in an environment removed from the stress of hospitalization.



The background image shows the exterior of the UCSF Benioff Children's Hospital San Francisco. The building features a large, colorful mosaic artwork on its facade. The mosaic includes a bird with a blue head and green body, and a large, stylized sunburst or starburst design in orange, yellow, and black. The building's architecture is modern, with a curved, overhanging section. The ground in the foreground is paved with hexagonal tiles. A semi-transparent text box is overlaid on the center of the image.

UCSF Benioff Children's Hospital San Francisco is named in honor of Marc and Lynne Benioff, whose generosity helped build a new home for UCSF Benioff Children's Hospital at Mission Bay. The Benioffs' goal is that the state-of-the-art facility serves as the most advanced children's hospital in the world, providing patient-centered care, supporting the translation of medical research into clinical practice, developing the next generation of medical technology, and training the caregivers of the future who will advance health care worldwide.



1975 Fourth Street | San Francisco, CA 94158

Maps and directions: www.ucsfhealth.org/pathway

Phone: 415-353-3000

Website: www.ucsfmissionbayhospitals.org/children

For patients and families:

For help in finding a doctor, call 888-689-8273 (888-689-UCSF).

For referring physicians:

For a consultation, to refer a patient to one of our specialty practices, or to admit or transfer a patient, please call our 24/7 Children's Hospital Access Center at 877-822-4453 (877-UC-CHILD).



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UCSF Benioff Children's Hospital
San Francisco

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news

Precision Medicine Becomes a Reality

In some settings, precision medicine remains more aspiration than reality, but at UCSF Benioff Children's Hospital San Francisco, a new Center for Maternal-Fetal Precision Medicine, a groundbreaking Neuro-Intensive Care Nursery (NICN) and a Personalized Genomics Clinic are offering patients and families an ever-widening array of diagnosis and treatment options. UCSF has been at the center of precision medicine since convening many of the world's thought leaders in this field for a summit in May 2013.

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Center for Maternal-Fetal Precision Medicine

The new UCSF Center for Maternal-Fetal Precision Medicine's team-based approach draws on expertise from geneticists, pediatric surgeons, obstetrician-gynecologists and pediatricians. A robust research program supports clinical care, which also includes patient outreach and education, with the goal of ensuring that a woman and her fetus get the best treatment at the best time depending on individual circumstance, says perinatologist and clinical geneticist Mary Norton, MD.

Norton co-directs the center with pediatric and fetal surgeon Tippi Mackenzie, MD, who says, "We consider genetic and genomic profiles, biomarkers, comorbid conditions, environmental factors, imaging, personal preferences and psychosocial circumstances to tailor our approach to the whole person."

Two examples demonstrate the advantages.

- The center is poised to test a treatment for alpha thalassemia major, a rare blood disorder that can lead to nonimmune hydrops fetalis, which is fatal without a blood transfusion before birth. UCSF is one of the few settings that do the transfusions. Now the Food and Drug Administration (FDA) is considering a UCSF phase 1 clinical trial in which physicians will couple the transfusion with in utero stem cell transplantation from the mother. An international meeting recently came to a consensus that this is the best possible strategy, because it offers the possibility of a cure with minimal procedural risk.

(CONTINUED ON PAGE 4)



Donna Ferriero, MD, MS



Hanmin Lee, MD

Perspective

In the two and a half years since UCSF convened a summit of world leaders in precision medicine, remarkable discoveries are informing real-world applications. Precision medicine may have become something of a buzz term, but the broad concept – getting precise and personalized treatments to every patient at just the right time – is the key to modern medicine.

At UCSF Benioff Children's Hospitals, precision medicine continues to expand in important ways. Advances in our understanding of genomics and genetics inform the work of our Center for Maternal-Fetal Precision Medicine, our Neuro-Intensive Care Nursery's efforts in neonatal-onset epilepsies and epileptic encephalopathies and our Personalized Genomics Clinic. All of these programs provide answers and treatments for families that never had answers or treatments before.

Of course, precision medicine goes beyond genomics and genetics. Pediatric emergency patients in the area now have expanded access to child-friendly care environments, as well as clinicians specifically trained in pediatric emergency care, in our San Francisco and Oakland hospitals. Young people suffering with inflammatory bowel disease take advantage of the latest noninvasive diagnoses, the most advanced treatments – and a host of clinical trials. Children with ear, nose and throat disorders that complicate their development can see our team of fully integrated, fellowship-trained pediatric otolaryngologists in San Francisco, Oakland and four Bay Area satellite clinics.

We are excited by these advances – and know well that our continued coordination with all of you is what makes the advances work over time for our shared patients. For that, we thank you.



Donna Ferriero, MD, MS
Physician in Chief
UCSF Benioff Children's Hospital
San Francisco



Hanmin Lee, MD
Surgeon in Chief
UCSF Benioff Children's Hospital
San Francisco

Integrated, Accessible Care for Childhood Ear, Nose and Throat Conditions

Expert otolaryngology is essential for mitigating disorders that can compromise healthy development. To expand access to this type of expert care, UCSF Benioff Children's Hospitals in San Francisco and Oakland have fully integrated their divisions of Pediatric Otolaryngology – Head and Neck Surgery. Five fellowship-trained pediatric specialists are now available to see children at both sites – as well as at four Bay Area satellite clinics.

“Much-needed expertise and family-centered care is now more accessible for a comprehensive range of childhood ear, nose and throat disorders,” says pediatric otolaryngologist Garani Nadaraja, MD.

The Value of Up-to-Date Clinical Expertise

Physicians who have essential clinical and surgical experience, awareness of the latest research and practice guidelines and access to advanced technology treat the full range of otolaryngological disorders, from sleep apnea to neck masses, sinusitis and airway problems.

The team's surgeons are well versed in minimally invasive surgical techniques, including balloon sinuplasty, salivary gland endoscopy and endoscopic airway surgery. Because they are part of an international academic community, UCSF teams are well prepared to help families make decisions that are the best for their children.



“A team approach to the care of children with more complex otolaryngologic conditions leads to improved family understanding, increased patient safety and better clinical care,” says pediatric otolaryngologist Dylan Chan, MD, PhD.

Three unique programs exemplify the team approach for a variety of conditions:

- **Hearing loss:** Pediatric otolaryngology, audiology, speech-language pathology, social work and genetics jointly evaluate children with long-term hearing impairment to help families understand the nature and cause of their child’s hearing impairment and support the child’s communication development through assistive devices and educational services.
- **Voice and swallowing:** A pediatric otolaryngologist and specially trained speech-language pathologist jointly see children with voice, resonance or swallowing disorders. Evaluations can include in-office endoscopy.
- **Complex aerodigestive disorders:** Children with complex feeding and airway conditions have coordinated clinic visits and procedures with pediatric otolaryngology, pulmonology, gastroenterology and speech-language pathology.

Personalized, Family-Centered Care Matters

While broad access to the multidisciplinary, team-based expertise of UCSF pediatric otolaryngological specialists is important, so is a commitment to the individualized needs of the child and family, says Kristina Rosbe, MD, chief of Pediatric

Otolaryngology – Head and Neck Surgery.

“Our mission,” she says, “is to provide the best care to children and their families, from a simple visit for recurrent ear infections to a lifelong relationship for a complex airway disorder.” ★

For more information, call 415-353-2757 or 510-428-3233.



Garani Nadaraja, MD



Dylan Chan, MD, PhD



Kristina Rosbe, MD

The pediatric otolaryngology team (left)

When to Refer

Refer patients to UCSF Benioff Children’s Hospitals for any of the following conditions:

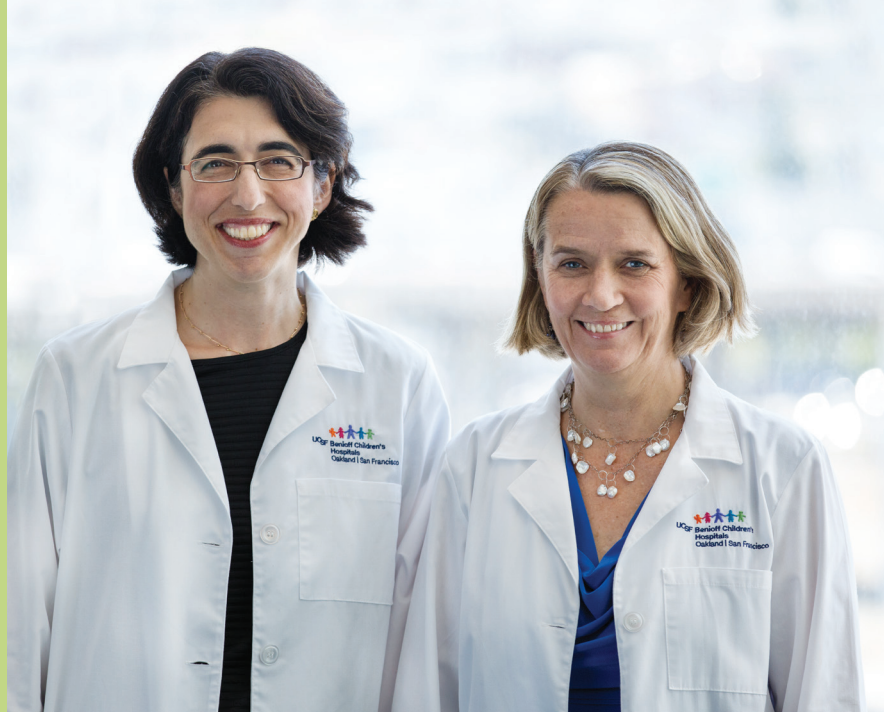
- | | | | |
|---|---|--------------------------------------|---|
| • Acute and chronic ear disease | • Congenital and acquired head and neck anomalies | • Obstructive sleep apnea | • Stridor |
| • Airway management and surgery | • Head and neck neoplasm, including thyroid disease | • Salivary gland disease | • Tongue-tie |
| • Cochlear implantation and bone conduction devices | • Hearing loss | • Sinonasal disorders | • Vascular malformations |
| | • Microtia, aural atresia and otoplasty | • Skull base anomalies and neoplasms | • Velopharyngeal insufficiency and cleft palate |
| | | | • Voice disorders |

PRECISION MEDICINE BECOMES A REALITY
(CONTINUED FROM COVER)

- The center can also perform whole-exome sequencing in fetuses and neonates with hydrops fetalis and other congenital abnormalities to understand the genetic basis and guide more precise therapies.

“We’re taking advantage of many new developments in genetics and genomics, and our patients get the benefit,” says Norton. ★

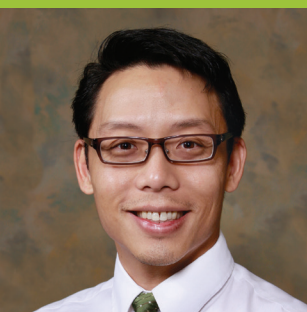
For more information, contact Dr. Norton or Dr. Mackenzie at 415-476-0445.



Dr. Mackenzie (left) and Dr. Norton



Anne Slavotinek,
MBBS, PhD



Joseph Shieh, MD, PhD

PRECISION MEDICINE

Personalized Genomics Clinic

“Increasingly, physicians turn to whole-exome sequencing to find causative genes for undiagnosed patients,” says geneticist Anne Slavotinek, MBBS, PhD, director of the UCSF Personalized Genomics Clinic, which she established in 2013 with co-director Joseph Shieh, MD, PhD. “Sometimes we uncover conditions for which there are targeted treatments,” she says. “Sometimes it’s more of an informational process, so we can help families and community physicians anticipate future health needs.”

The clinic meets on the second and fourth Monday of each month. Clinicians consult on the value of whole-exome sequencing for each individual and family, facilitate consent processes and testing, and discuss test results and therapeutic options. To improve turnaround time for the tests, the clinic is now setting up in-house testing with the UCSF Institute for Human Genetics.

Patients may undergo sequencing for many concerns, which include:

- Autism
- Birth defects
- Family’s genetic questions
- Multiple congenital anomalies
- Seizures with no clear cause
- Undiagnosed intellectual delays

“In more and more of our patients, we’ve been able to pinpoint a diagnosis for people who have gone undiagnosed and without a treatment plan for years,” says Shieh. Genetic counselor Marta Sabbadini, PhD, is the clinic’s third practitioner.

Because there are more than 20,000 variants per exome and because knowledge about the variants grows and changes rapidly, interpreting the tests is a complex challenge. At a research-intensive medical center like UCSF, when a new variant is



discovered or treatment options expand, the clinic can quickly make these available.

And when findings reveal a patient is at risk for an unanticipated condition, an academic medical center can move quickly to call in appropriate specialists, co-manage patients with community physicians and help families prepare for and even prevent the identified conditions. For example, secondary findings at the clinic have revealed patients at risk for cancer, renal disease and heart disease.

“The key,” says Slavotinek, “is having the expertise and experience to interpret variants and provide the counseling.” ★

For more information, contact the Personalized Genomics Clinic at 415-514-1783 or 415-476-9997.

Advances for Neonatal-Onset Epilepsies and Epileptic Encephalopathies

“Seizures in newborns are often due to acute insults, such as hypoxic-ischemic encephalopathy [HIE] or stroke, but a percentage of seizures have a genetic origin,” says pediatric and neonatal epileptologist Maria Roberta Cilio, MD, PhD, a world-renowned expert in assessing and treating rare pediatric epilepsies. “These genetic epilepsies are underdiagnosed and may require different, targeted treatments, such as sodium channel blockers for neonatal epileptic encephalopathy due to *KCNQ2* mutations.”

UCSF neonatal neurologist Hannah Glass, MD, MAS, director of Neonatal Neurocritical Care Services, says that when newborns with seizures don’t respond to standard treatment, specialty centers like the UCSF NICN can sometimes identify causes using advanced monitoring techniques. For example, video electroencephalography (EEG) can show specific features suggesting a genetic-based epilepsy.

“These types of results are why we continuously monitor any child at risk for seizures – which are not always readily apparent in newborns – and have built close collaborations between neonatologists and neurologists,” says neonatologist Fernando Gonzalez, MD.

Interpreting the tests is key. In addition to Cilio, the NICN works closely with neuroradiologists who specialize in newborn brain conditions. In multiple cases, an abnormal magnetic resonance imaging (MRI) result has led to the diagnosis of a rare congenital disorder, and advanced neuroimaging techniques such as MRI spectroscopy can help diagnose metabolic causes for neonatal-onset epilepsies.



Hannah Glass, MD, MAS



Fernando Gonzalez, MD

“Any newborn who is seizing or at risk for seizures should be referred to a center that can readily perform continuous EEG monitoring and interpretation, since not all seizures can be diagnosed clinically.”

At the UCSF NICN, continuous video EEG recording and interpretation is available 24/7 and is deployed immediately for any neonate with suspected brain injury or seizures.

“Any newborn who is seizing or at risk for seizures should be referred to a center that can readily perform continuous EEG monitoring and interpretation, since not all seizures can be diagnosed clinically,” says Gonzalez. ★

For more information, contact the NICN at 415-353-1565.

Testing New HIE Treatments

The UCSF NICN has been a leader in making hypothermia a standard of care for hypoxic-ischemic encephalopathy (HIE). Led by principal investigator Yvonne Wu, MD, a clinical trial – Neonatal Erythropoietin And Therapeutic Hypothermia Outcomes in Newborn Brain Injury (NEATO) – seeks to determine if erythropoietin, given with hypothermia, is safe and effective to use as a treatment to further reduce the risk of neurologic deficits after HIE.



Maria Roberta Cilio, MD, PhD

Expert Pediatric Emergency Care Essential for Area's Children



David Jaffe, MD



Steven Bin, MD

Whether treating a growth plate fracture, administering sedation that is sensitive to cognitive development or easing the concerns of an anxious child, physicians and nurses specifically trained in pediatric emergency care can dramatically improve the patient experience, says David Jaffe, MD, chief of Pediatric Emergency Medicine at UCSF Benioff Children's Hospital San Francisco.

"At a full-service, dedicated children's hospital like ours, families experience a child-friendly environment from the moment of arrival," he says.

New Developments Expand Access

Such care is now more accessible to more families throughout Northern California, due to:

- The February 2015 opening of San Francisco's only free-standing children's hospital, in Mission Bay, which is on track to increase UCSF's pediatric emergency volumes by more than 60 percent in its first year of operation.
- Affiliation with the renowned and high-volume emergency

department at UCSF Benioff Children's Hospital Oakland.

- The expansion of helicopter and rapid response transport services, including a heliport at the new hospital.

"We have a highly collaborative clinical environment staffed entirely by board-certified pediatric emergency physicians and pediatric nursing staff," says Barbara Feldhauser, manager of the UCSF Children's Emergency Department in San Francisco.

"And with our expanded transport options, we can mobilize even more quickly to take a child to tertiary care or conduct on-site rescues; in short, to provide more consultation and support for community physicians," says Steven Bin, MD, medical director of the UCSF Children's Emergency Department in San Francisco.

Multiple Enhancements to Patient Care

The Oakland-San Francisco affiliation has already led to considerable knowledge exchange, which means patients receive the benefit of shared expertise

that extends beyond experience with the latest treatment modalities. It also means a patient experience fully sensitive to the unique concerns of children and their families, with characteristics that include:

- **Ease of access:** The emergency departments at UCSF Benioff Children's Hospitals both have a number that any referring provider can call 24/7 to get expert consultation and begin the process of referral.
 - For San Francisco, call 877-822-4453 (877-UC-CHILD).
 - For Oakland, call 855-246-5437 (855-CHO-KIDS).
- **Dedication to pain management:** For example, clinicians use a needle-free injection system, which uses pressurized gas to propel medication through the skin and into the subcutaneous layer, to numb the skin for painless IV starts.
- **Coordinated follow-up care:** The Family Information & Navigation Desk (FIND) Program aims to minimize social and environmental factors that have a negative effect on the health of patients and families. Trained staff and volunteers routinely screen for basic social needs and then connect families to community resources.

"We also are talking about a collaboration with Oakland on a fellowship, which will enhance research and training in pediatric emergency medicine and ultimately lead to discovery of cutting-edge practices in patient care," says Jaffe. "Most places aim to give the best of today's care; we aim to provide the best of tomorrow's." ★

For more information, call the Children's Emergency Department at 415-353-1818.



Bear Force One returns to UCSF Benioff Children's Hospital San Francisco.



The emergency department at UCSF Benioff Children's Hospital Oakland

Optimal Management of Inflammatory Bowel Disease

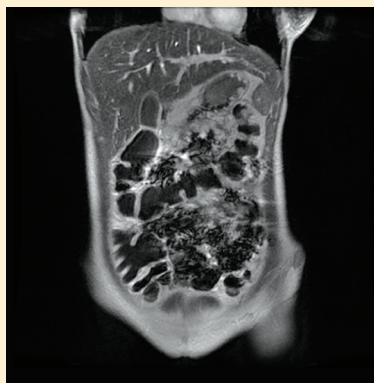
Kevin Hahn received a diagnosis of ulcerative colitis at age 12. With the help of his UCSF physicians, he managed the condition with medication until just after his 18th birthday, when the disease spiked. He spent the next months fighting through discomfort and medical procedures, but continued to play basketball and baseball, eventually being named 2014 Boys' Athlete of the Year by the *San Mateo Daily Journal*.

Ultimately, Hahn, his family and the clinical team decided it was time for a colectomy. Two months after the successful procedure, Hahn began college. A complication and the need for two additional bowel surgeries forced him to drop out for the semester, but he was back at school again in January 2015.

An Underdiagnosed Condition

Hahn exemplifies the potential for young people with inflammatory bowel disease (IBD) to lead normal lives, says Melvin Heyman, MD, chief of Pediatric Gastroenterology, Hepatology and Nutrition at UCSF Benioff Children's Hospital San Francisco and director of the UCSF Inflammatory Bowel Disease Program.

Hahn also demonstrates the challenge of managing IBD, which affects approximately 1.6 million Americans; as many as 25 percent of cases present during childhood. Partly because he was diagnosed early, Hahn has thrived, but IBD is commonly misdiagnosed as something else, such as lactose intolerance, stomach virus or school avoidance behavior. Even when IBD is diagnosed properly, it can be difficult to tell whether the IBD is ulcerative colitis, which affects only the large intestine, or Crohn's disease, which affects the entire digestive tract.



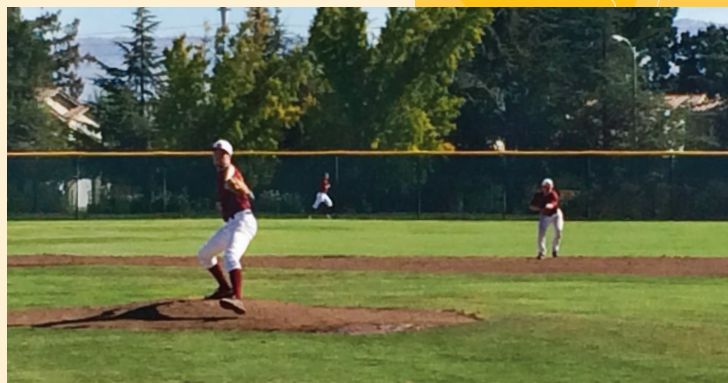
MRE showing pancolitis, a severe form of ulcerative colitis that involves the entire colon

That's why, says Heyman, physicians should refer any child with suspected IBD to an academic medical center like UCSF. At such places, pediatric gastroenterologists, surgeons, radiologists and anesthesiologists deliver expert, team-based care with pathologists, immunologists, nutritionists, psychologists, ostomy nurses and social workers.

"Pediatric expertise in relevant disciplines brings an understanding of young people's unique challenges, from diagnosis through long-term follow-up, [and that's why Heyman] and his team bring me and others in early," says pediatric surgeon Lan Vu, MD.

At UCSF:

- Pediatric gastroenterologists and pediatric surgeons work with dedicated researchers to explore the underlying causes of IBD and to create new therapeutic options.
- Pediatric radiologists – whose expertise includes noninvasive magnetic resonance enterography (MRE) – improve diagnoses while minimizing radiation exposure.



Kevin Hahn pitching for the De Anza College Dons

- Pediatric anesthesiologists use protocols that help guard against negative cognitive outcomes during surgery, particularly in children under age 2.
- Specially trained pediatric nurse practitioners speed healing postsurgery and understand the value of sensitively delivered follow-up care.

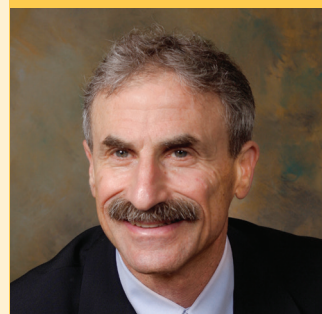
"We also have a number of clinical trials and a large database of pediatric patients, so we can ultimately plan to best match new medications to individual patient profiles," says Heyman.

Partnering with Patients, Community Physicians

The team approach includes a commitment to making patients part of the care team. "Patient input is essential, because therapy is always directed at improving our patients' quality of life," says pediatric nurse practitioner Maura O'Day.

"Because a colectomy is more than a physical adjustment, we help families know what to anticipate and follow patients as part of a team that includes community physicians," says Vu. ★

For more information, contact the Inflammatory Bowel Disease Program at 415-514-4423.



Melvin Heyman, MD



Lan Vu, MD

Children's Hospital Access Center

For consultation on a difficult diagnosis, to refer a patient to one of our specialty practices, or to admit or transfer a patient, please call 877-822-4453 (877-UC-CHILD). Available 24/7, our Access Center staff ensures that you receive fast and efficient access to all of our services, including safe, expedient interfacility transport of your patients to UCSF Benioff Children's Hospital.

To contact the Access Center, please call 877-822-4453 [877-UC-CHILD].

Physician Liaison Service

Physician liaisons visit referring physicians and practice representatives throughout Northern California and Nevada to learn more about their referral needs and to provide information about the services and faculty expertise available at UCSF Benioff Children's Hospital.

To contact the Physician Liaison Service, please call 800-444-2559.

UCSF Benioff Children's Hospital News is published semiannually for referring physicians by the Marketing Department of UCSF Medical Center. It is written by Andrew Schwartz.


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CME Courses

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Course Title	Dates	Location
9th International Conference Neonatal and Childhood Pulmonary Vascular Disease 2016	March 10-12, 2016	Park Central Hotel San Francisco
49th Annual Advances and Controversies in Clinical Pediatrics	May 19-21, 2016	Park Central Hotel San Francisco



UCSF Benioff Children's Hospitals, with campuses in San Francisco and Oakland, is among the nation's premier children's hospitals in nine pediatric specialties, according to the 2015-2016 Best Children's Hospitals rankings conducted by U.S. News & World Report.

The complete rankings for UCSF Benioff Children's Hospitals are:

- | | |
|--|---|
| #8 Diabetes & Endocrinology (Best in Bay Area) | #18 Gastroenterology & GI Surgery (Best in Bay Area) |
| #10 Nephrology | #19 Pulmonology |
| #12 Cancer (Best in Bay Area) | #22 Urology (Best in Bay Area) |
| #13 Neurology & Neurosurgery (Best in Bay Area) | #25 Cardiology & Heart Surgery |
| #16 Neonatology | |