

Elective Catalog

Pediatric Residency Program



The Pediatric Residency Program is built on a foundation of core rotations that are supplemented with individualized experiences tailored for each resident's learning needs and career plans.

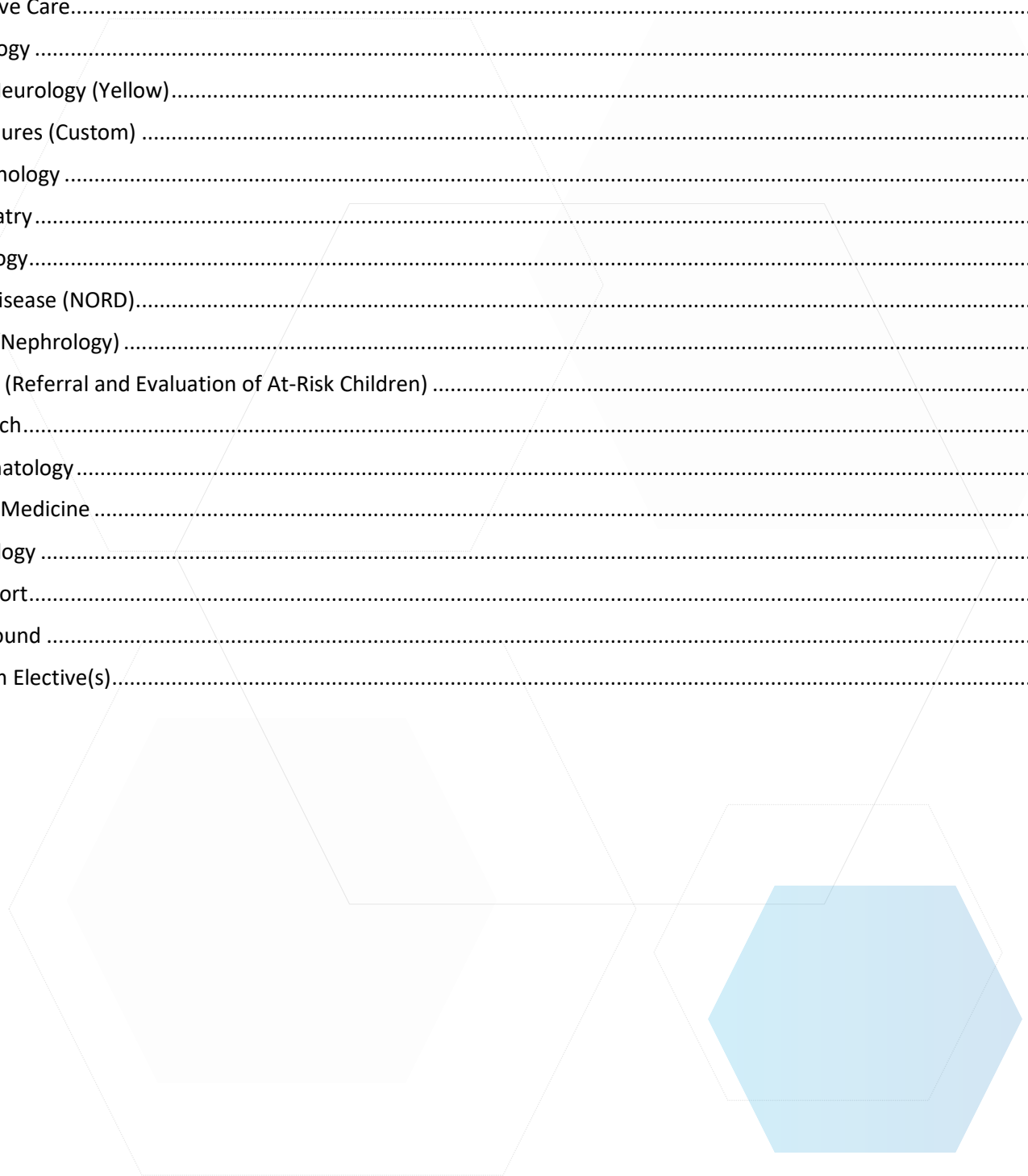
The following course catalog details electives that are established within departments of the hospital as well as opportunities throughout our community designed to meet many of the most common needs of our residents. This guide should be used as a starting point. While the offered electives are wide-ranging, residents are also encouraged to develop a custom elective that best augments their career development. Custom electives may incorporate portions of established electives, select for particular experiences within a department/division, or explore entirely new areas either intellectually or geographically. These resident-led electives are often some of the most rewarding experiences our residents have and many of them have been developed into ongoing experiences open to all residents. Residents design their own custom calendars, and learning goals and objectives; a template for this is provided to facilitate this process.

If you have an idea for a custom elective, consider contacting the chiefs for guidance. For more information about each of our established electives, please see the contact information in the following course catalog.

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ACUTE CARE ELECTIVE (SIMULATION)

Faculty Contact	Blake Nichols MD, Ali McMichael MD
Administrative Contact	LaTosha Smith
# of residents allowed at a time	Min: 4, Max: 8
Minimum # weeks allowed	2 weeks only
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (only if clinics are afternoon)

Improve your skills and confidence managing code scenarios and other acutely ill patients. The simulation rotation includes lectures by faculty experts on the management of various aspects of the decompensating patient in addition to dedicated time for practicing skills in simulated scenarios proctored by PICU attendings. Lecture topics may include airway management, intubation practice, shock pathophysiology and treatment, toxicology, renal emergencies, difficult conversations, management of brain injuries, and more. The elective is open to residents at all levels of training.

ADHD

Faculty Contact	Sari Bar DO
Administrative Contact	Mary Sweeney; Dina Pena
# of residents allowed at a time	1
Minimum # weeks allowed	2 weeks exactly
Prerequisites	Development
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

Become more comfortable evaluating, diagnosing and managing patients with attention-deficit/hyperactivity disorder (ADHD) as you work directly with Developmental-Behavioral Pediatric faculty and specialists in the field in an outpatient setting. The elective is individualized to each resident's interest. The majority of time is spent in our two DBP clinics (one at TSRH and one at CMC) evaluating new patients or seeing follow up patients for concerns about ADHD and/or learning difficulties and medication management. The overall goal is to provide the future general pediatrician a higher level of knowledge in the diagnosis and treatment of children with ADHD, but may also appeal to those who may be considering a fellowship in developmental-behavioral pediatrics, neurology or child psychiatry.

ADMITTER

Faculty Contact	Chief Residents
Administrative Contact	Melissa Nader
# of residents allowed at a time	5
Minimum # weeks allowed	1
Prerequisites	PGY2-3 only
Option to Schedule During 2-week clinic block	Yes

For residents who desire additional diagnostic exposure, heterogenous multispecialty experience within one non-critical care rotation, time for boards studying or elective planning or administrative needs, or just a default elective when other things fall through, this elective will serve that purpose.

Shifts will be coded into ShiftAdmin under the "Surge" facility. The standard admitter schedule is three 6 hour shifts per week (2PM to 8PM), three to four administrative ½ days per week, three days of curated board prep questions per week, and weekends off.

ADVANCED MEDICAL SPANISH

Faculty Contact	Elective Chief
Administrative Contact	Melina Kolbeck
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	Spanish Exam*
Option to Schedule During 2-week clinic block	Yes

The Advanced Medical Spanish Elective is designed for residents who already have a solid background in Spanish but who are not fluent nor a native speaker. During your elective, you will spend time with the CMC Language Access Department working one-on-one with interpreters to practice your Spanish language skills and receive immediate feedback on grammar and vocabulary. You also have the opportunity to participate in other self-directed activities such as use of the program's subscription to online Spanish language lessons, outside Spanish courses, or volunteering for events serving primarily Spanish-speaking populations. Previous activities of interest to residents include a Developmental Screening health fair, Juega Conmigo sessions at the local library, or rotating at Los Barrios Unidos clinic.

*One month prior to the rotation, you will need to complete the Masterword test proctored by Language Access Services to determine if the advanced or beginner course would be most appropriate for your learning level. A score of 80% or higher is required to qualify for the Advanced elective.

ALLERGY/IMMUNOLOGY

Faculty Contact	Christopher Parrish MD
Administrative Contact	Sabrina Tristan
# of residents allowed at a time	1
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (unless A&I fellowship interest)

Clinics

Attend pediatric asthma clinic:

- * Dr. Martinez or Dr. Rivera on Monday PM and Wednesday AM.
- * Pediatric allergy/asthma volunteer clinic on Wednesday PM.
- * Allergy/Asthma with Dr. Neaville Friday AM

Attend pediatric Immunology clinic:

- * Monday and Tuesday AM with DR. Wysocki.

Attend general allergy clinic:

- * Dr. Nicolaidis on Monday PM, and Dr. Neaville/Dr. Chambliss on Friday AM.

Attend food allergy clinic:

- * Dr. Drew Bird on Tuesday PM and Wednesday AM, and Dr. Parrish on Wednesday PM.

Immunology inpatient consults:

- *Resident will round with consult fellow and attending on Thursday afternoon.

Conferences

- Allergy noon conference (Thursdays at noon)
- Immunology conference (Thursdays 8AM-930AM)
- Allergy teaching rounds/Research conference (Thursdays 10AM-noon)

Linked Experiences

Residents interested in pursuing a career in A/I may participate in the pre-fellowship version of the elective. This involves a broader exposure to the adult allergy/immunology field and a deeper immersion within pediatric A/I.

ANESTHESIA

Faculty Contact	Galit Kastner MD
Administrative Contact	Mittie Dillard-Carr
# of residents allowed at a time	1
Minimum # weeks allowed	1 week only
Prerequisites	PGY3 ONLY (or PGY4 for Med Peds)
Option to Schedule During 2-week clinic block	No

Residents who participate in the anesthesiology rotation will have the opportunity to practice intubations and other minor procedures in the pre-operative setting.

Typical hours

Monday, Tuesday, and Wednesday: 6:00 AM until 2-5 PM

Thursday: 8:00 AM until 2-5 PM

Friday: 6:45 AM until 2-5 PM

Goals for this rotation

20 Intubations

>50% of intubations on children >1 year old

4 LMA insertions

20 IV catheter insertions

Bag mask ventilation of 20 patients

Oral airway placement in 20 patients

Suggested reading

Pediatric Anesthesia manual will be available but must be returned at the conclusion of the elective.

BEGINNER'S SPANISH

Faculty Contact	Elective Chief
Administrative Contact	Melissa Nader
# of residents allowed at a time	no cap
Minimum # weeks allowed	1 (2 maximum)
Prerequisites	Custom Calendar
Option to Schedule During 2-week clinic block	Yes

The Beginner Spanish elective is designed for residents with any degree of background in Spanish who are interested in improving their skills. During this elective, residents will complete Spanish modules and practice their in-person conversational skills. Residents also have the opportunity to engage in self-directed activities such as The Spanish House local language school, Duolingo, Pimsleur, and volunteering at Spanish language events. Previous activities of interest to residents include Developmental Screening health fair, Juega Conmigo sessions at the local library, shadowing CMC interpreters, or rotating at Los Barrios Unidos clinic.

For learning experiences in other languages, consider designing a custom elective!

BONE MARROW TRANSPLANT

Faculty Contact	Tiffany Simms Waldrip MD
Administrative Contact	None
# of residents allowed at a time	1
Minimum # weeks allowed	2
Prerequisites	HemeOnc
Option to Schedule During 2-week clinic block	No

This course will provide an in-depth exposure to pediatric hematopoietic stem cell transplant (HSCT) patients via direct clinical experience, one-on-one discussions between student and faculty, structured didactic sessions/conferences, and self-study. The overall goal of the elective is to increase residents' comfort in evaluating and managing patients undergoing HSCT and those that have previously undergone transplant. The resident will work directly with HSCT faculty and APPs in the inpatient setting during this elective. Learning objectives will focus on indications for HSCT, basic principles of clinical immunology, complications and infectious risk during different stages of HSCT, and selection of diagnostic tests and antimicrobials in immune compromised patients with infection. The elective is available to anyone seeking exposure to this patient population, but may particularly appeal to those who may be considering a fellowship in Pediatric Hematology/Oncology.

CAMP SPINA BIFIDA (DEVELOPMENTAL / BEHAVIORAL PEDIATRICS)

Faculty Contact	Richard Adams MD
Administrative Contact	Martha Mendoza
# of residents allowed at a time	3
Minimum # weeks allowed	2
Prerequisites	Potential pre-rotation modules/training
Option to Schedule During 2-week clinic block	No

During the elective, the participating residents will come to understand the distinct medical, psycho-social, and service needs of children with spina bifida and their families within the context of a “natural environment”-- beyond the hospital and clinic halls. In hopes that the resident may become involved in similar camp experiences during their practice lifetime, the resident will come to better understand the role of the pediatrician/specialist in the realm of leadership and the skills needed to direct or participate in such endeavors.

CAMP SWEENEY (ENDOCRINOLOGY)

Faculty Contact	Soumya Adhikari MD
Administrative Contact	None
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	Potential pre-rotation modules/training
Option to Schedule During 2-week clinic block	No

To provide pediatric residents with an immersive, residential experience caring for children with diabetes at the largest summer camp for children with diabetes in the world, Camp Sweeney. Enrolled residents will become familiar with management of both Type 1 and Type 2 Diabetes in a camp setting. Residents will help manage all aspects of care for up to approximately 250 children with diabetes. This care will include insulin adjustment and administration, insulin pump management, glucose monitoring, and management of acute (including severe) hypoglycemia. The resident will also be involved in diagnosing and managing general pediatric problems including minor trauma, wilderness associated concerns (snake bites, allergic reactions, etc) and minor respiratory and gastrointestinal illnesses during daily sick call at the Camp Medical Center, and will have supervisory responsibility over 2nd-4th year medical students also involved in the care of campers.

CARDIOLOGY

Faculty Contact	Sarah Blumenschein MD, Lynn Mahony MD
Administrative Contact	Priscilla Castro
# of residents allowed at a time	1
Minimum # weeks allowed	2 (1 month preferred)
Prerequisites	None
Option to Schedule During 2-week clinic block	No

This elective teaches residents about structural and acquired heart disease, including lipid disorders. The resident will evaluate patients with murmurs, cyanosis, chest pain, irregular and/or fast heart beat, dizziness / syncope, a family history of heart disease, and dyspnea with exertion. These are common problems in the pediatric office. The elective can be customized to the resident's interests and needs to meet individual goals.

Elective experiences include: seeing patients with attendings and fellows in preventive clinic; learning to read electrocardiograms; learning the basics of echocardiography, including observing a study; extensive learning curriculum; screening and treatment of cholesterol disorders.

Other possible experiences include: observing cardiac catheterization(s); seeing patients in heart failure clinic; seeing patients in transplant clinic; reading echocardiograms with the cardiologist; attending pacemaker clinic; observing an electrophysiologic study (usually an ablation); rounding with the cardiology consult team; observing a patient in preoperative clinic and then attending the operation and seeing the patient in the CVICU.

CVICU

Faculty Contact	Joshua Wolovits MD
Administrative Contact	Lashundra Barlow
# of residents allowed at a time	2
Minimum # weeks allowed	3 ideal; 1-2 acceptable
Prerequisites	Recommend completing cardiology / congenital heart disease and/or ICU first
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

This experience is for those who may be interested in critical care or cardiology. This elective provides exposure to patients with unstable cardiac physiology including unrepaired congenital heart disease, unstable arrhythmias, and post-operative congenital heart disease. Residents will also gain experience with general ICU care (ventilators, vasopressors, monitors, etc). Residents will round with one of the CVICU teams, initially covering patients doubled-up with an APP or fellow. Residents may then transition to take primary responsibility for some patients later in the rotation. Residents will present patients on rounds and assist with following up on their plans throughout the day. There may be opportunities for procedures. Wednesday afternoon surgical conference attendance at 5:00pm is encouraged. The proactive resident will be exposed to a variety of critically-ill cardiac patients and post-operative patients. Residents will get experience with assessing and managing fluid status, ventilation status, and cardiovascular hemodynamics.

NICU: CHILDREN'S DALLAS

Faculty Contact	Asya Asghar MD
Administrative Contact	Amanda Arrambidez
# of residents allowed at a time	2
Minimum # weeks allowed	3
Prerequisites	NICU
Option to Schedule During 2-week clinic block	No

The CMC NICU elective provides residents the opportunity to practice neonatology in a level 4 NICU. The patient population is transferred to Children's from various outside hospitals to receive additional care and services. This leads to a rich and complicated patient population with a variety of complex medical conditions. Residents on the CMC elective carry 2-5 patients daily. You round with the NICU team consisting of an attending, fellow, NNP, NICU pharmacist and nutritionist. You are not expected to take overnight call, but may do so if interested. Your days off will be coordinated with the NNPs and are flexible depending on your schedule and needs.

Approximate Schedule

Daily: CMC Radiology Rounds 2PM

Monday: CMC NICU Resuscitation 1st Monday 12PM; CMC M&M/Case Conference 3rd Monday 12PM

Tuesday: Department of Pediatrics Multidisciplinary Conference 12PM; CMC NeuroRadiology 2:30PM; Neonatal Cardiac Lecture Series every 3 months 3PM

Wednesday: Pediatric Grand Rounds 8AM; FETAL Conference 2nd Wednesday 12PM

Thursday: PedSurgery/NICU Combo Conference every 2-3 months 7AM

Friday: Neonatal-Perinatal Division Research Conference 7:45AM

NICU: CLEMENTS

Faculty Contact	Becky Ennis MD
Administrative Contact	Aziza Young
# of residents allowed at a time	1
Minimum # weeks allowed	3
Prerequisites	NICU, Clements credentialing
Option to Schedule During 2-week clinic block	No

COMMUNITY PRACTICE

Faculty Contact	Elective Chief
Administrative Contact	Melissa Nader
# of residents allowed at a time	Any
Minimum # weeks allowed	1-4
Prerequisites	LGO, PLA, Custom Calendar of rotation as applicable
Option to Schedule During 2-week clinic block	Yes

Improve your skills in ambulatory care pediatrics through immersion in our community! This is a resident-driven experience working with community pediatricians dedicated to the education of future pediatricians. By working with various providers outside of the hospital setting, the resident will see true diversity in the patient populations, in the providers' bedside manner and style, in the business models of the practices, and in procedures/services that are offered. The rotation benefits not only residents considering outpatient general pediatrics, but also future subspecialists who will have an opportunity to understand the background thoughts and work that are done prior to a referral. Residents can visit up to five locations during their time on the rotation. Our program has established agreements with >25 community practices, in addition to the 18 Children's Health Pediatric Group clinics in the area. A resident can rotate at a clinic where we do not currently have an agreement, but they should notify the elective chief at least 4 months in advance.

For those who will be looking for an outpatient job in the DFW area after residency, we recommend taking this rotation late in your second year or early in your third year.

COMPLEX CARE

Faculty Contact	Patricia Petroff MD
Administrative Contact	Monica Carrizales
# of residents allowed at a time	1
Minimum # weeks allowed	3-4 weeks preferred (2 weeks acceptable)
Prerequisites	Development
Option to Schedule During 2-week clinic block	No

As children with medical complexity represent a rapidly growing sector of the pediatric population, the Complex Care elective will help trainees expand their knowledge and comfort with caring for children with special health needs. Whether interested in primary care, emergency medicine, or other specialties, the Complex Care elective provides residents valuable exposure to children with disabilities. We will teach you how to incorporate children with complexity into a primary care medical home model, help you to understand the role of care coordination in improving outcomes, model the integration of a multidisciplinary care team, and introduce principles of palliative care. Together we will hone your clinical and communication skills as well as explore concepts such as shared decision making, goal setting, and ethical dilemmas in healthcare. The elective will consist of a mix of shadowing comprehensive visits in clinic, providing sick care of children with complexity in an office setting, and attending other experiences outside the clinic pertinent to our population. Complex Care will seek to customize your experience and tailor your activities to meet to your career goals

DALLAS GLOBAL HEALTH

Faculty Contact	Ami Waters MD
Administrative Contact	Melissa Nader
# of residents allowed at a time	3-7
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	No

An innovative Dallas based rotation that provides residents the opportunity to explore health disparities, diseases of poverty, and public health concepts while gaining valuable procedural skills useful in low resource settings. Each week examines a specific content area of global health, such as diseases of poverty, neglected tropical diseases, malnutrition, and microbiology. Residents will develop skills in mixing malnutrition formulas and rehydration solutions, point of care ultrasound, suturing, splinting, and the Helping Babies Breath curriculum. Additional time is spent examining concepts in public health, disaster management, ethics, refugee care, conflict management, and cultural competency. A group project and interactive simulation reinforce concepts taught through real world scenarios.

Residents interested in an international rotation should complete this elective prior to travel.

DERMATOLOGY

Faculty Contact	Nnenna Agim MD
Administrative Contact	Trena Young
# of residents allowed at a time	2
Minimum # weeks allowed	2 ideal (1 possible but not best)
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes

The elective in pediatric dermatology is directed at pediatricians who will see cutaneous problems in private, hospital based or pediatric subspecialty practice. During the rotation, the pediatrician will observe and participate in the care of a variety of skin problems from common (warts, molluscum, nevi, atopic dermatitis) to rare (other neoplasms, genodermatoses, epidermolysis bullosa). Clinic is held in half day blocks beginning between 7 and 8:30am and ending around 4pm. A pediatric dermatology lecture is held virtually every 3rd Thursday AM. It is expected that rotators will be present on time at all iterations of the pediatric dermatology practice including operating room and in-clinic procedure days, atopic dermatitis family clinic and the Vascular Anomalies Team clinics.

ENDOCRINOLOGY

Faculty Contact	Ryan Stewart MD
Administrative Contact	Trena Young
# of residents allowed at a time	1 preferred* (2 if one wants to do consults)
Minimum # weeks allowed	1 (but prefer 3+)
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes *if on for at least 2 weeks

The endocrine elective is a great rotation for anyone interested in endocrine topics regardless of their career track. Residents will gain experience in common pediatric endocrine disorders such as type 1 diabetes (including DKA and outpatient / insulin pump therapy), type 2 diabetes, precocious puberty, delayed puberty, congenital hypothyroidism, acquired hypothyroidism, hyperthyroidism, short stature, congenital adrenal hyperplasia, Turner Syndrome, Prader-Willi Syndrome, hypopituitarism, diabetes insipidus, ambiguous genitalia and hypoglycemia.

Residents will see patients in outpatient clinic Monday through Friday during normal clinic hours. Residents will also have the opportunity to consult on inpatients. For those who are interested, there is also the opportunity to work in the GENECIS program – a unique multidisciplinary program that focuses on helping children and teens with gender dysphoria. The clinic provides comprehensive care for gender non-conforming adolescents including mental health support, puberty blockers, and hormone replacement therapy when appropriate.

There are several didactic conferences that residents may attend, including reproductive endocrine conference, combined endocrine conference, and endocrine grand rounds. If the endo elective is taken during June through August, you may also sign up for one week at Camp Sweeney (separate elective).

GENETICS/METABOLISM

Faculty Contact	Garrett Gotway MD
Administrative Contact	Yvonne Varnadoe
# of residents allowed at a time	1
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	Not preferred; possible if on for both weeks

Residents will learn about hereditary diseases and inheritance mechanisms by obtaining family histories and diagramming pedigrees, recognizing Mendelian patterns of inheritance, learning characteristics of multifactorial inheritance, and indications for karyotyping and FISH. Residents will learn about the educational process of genetic counseling and the importance of non-directive counsel.

Residents will learn about the indications for metabolic screening of newborns or potential carriers, interpret key laboratory data for initial metabolic evaluations (e.g. glucose, electrolytes, pH, lactate, ammonia, urine organic acids, blood amino acids, blood carnitine and acylcarnitine profile), learn the indications for suspecting inborn errors for various age groups, learn examples of metabolic disease categories and major modes of therapy. Response to abnormal results on newborn screening tests will also be covered.

Residents will also learn to perform a dysmorphology exam with emphasis on recognition of minor anomalies (e.g. low-set ears, webbed neck, single palmar crease), learn the differences among syndromes, associations, sequences, and single anomalies, and learn several common syndromes and their preventive management (e.g. Down, Turner, Klinefelter, Noonan, Williams, Marfan, and Neurofibromatosis-1).

GASTROENTEROLOGY

Faculty Contact	Meghana Sathe MD and Norberto Rodriguez MD
Administrative Contact	Ashley Alvarez
# of residents allowed at a time	2
Minimum # weeks allowed	2-4 Ideal
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes

The goal of the Pediatric Gastroenterology Elective is to provide residents with a personal experience depending on their goals for their future.

Our options for the rotation include the following:

- Clinics: We have a multitude of GI clinics that focus on things that general pediatricians will encounter including constipation, reflux, and functional abdominal pain. We also have the opportunity to provide residents with the opportunity to attend specialty clinics including: Eosinophilic Esophagitis, Inflammatory Bowel Disease, Hepatology, Cystic Fibrosis, Liver Transplant, Pancreas, Intestinal Rehabilitation, and Motility.
- Hepatology: The hepatology service provides a unique opportunity for residents to be introduced to pre- and post- liver transplant patients as well as liver consults.
- Consults: The consult service covers consults throughout the hospital and focuses more on gastroenterology and nutrition consults. Common consults include new diagnosis of Inflammatory Bowel Disease, infectious diarrhea, challenging oncology cases including graft-versus host disease to name a few. This service is always filled with interesting procedures including foreign bodies, GJtube placements, combos with ENT, Surgery, and others.
- Procedures: This part of the rotation takes place mainly in the OR watching a variety of procedures from upper endoscopies to colonoscopies. Also the opportunity to watch less common procedures including endoscopic ultrasound, ERCP, and single balloon endoscopy.

We aim to provide residents with a rotation that combines several of these opportunities depending on their interests. For residents going into General Pediatrics or other specialties, we recommend more clinic time and consults. For residents going into GI, we recommend subspecialty clinics, hepatology and procedures. We are open to providing residents an individualized rotation and willing to work with them to make sure that we are able to provide them a positive experience.

HEMATOLOGY & ONCOLOGY

Faculty Contact	Martha Pacheco MD
Administrative Contact	Lilibeth Goode
# of residents allowed at a time	1-2
Minimum # weeks allowed	2 ideal, 1 acceptable
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes *if at least 2 weeks

The hematology/oncology elective provides the resident with a glimpse into the outpatient management of common hematologic and oncologic conditions. In fact, the specialty of hematology-oncology is mainly practiced in the outpatient arena, and activities on the inpatient service do not accurately reflect the overall picture of how we diagnose and treat children with these disorders. The most common types of patients referred to pediatric hematology-oncology are not those with cancer, but are children referred for consultation for anemia, bleeding disorders, neutropenia, lymphadenopathy, etc. These problems are less commonly encountered on the inpatient service. Some patients successfully treated for cancer are never admitted to the hospital following their initial brief hospitalization at time of diagnosis. Many children coming for outpatient visits (for chemotherapy treatments, procedures, or follow-up) are quite well, as are the many hundreds of children in our long-term follow-up (After the Cancer Experience) program.

HOSPITALIST

Faculty Contact	Phuong Nguyen MD
Administrative Contact	Emily Amaro; Allisha Azard
# of residents allowed at a time	2
Minimum # weeks allowed	3, prefer 4
Prerequisites	Late 2nd year or 3rd year
Option to Schedule During 2-week clinic block	No

The hospitalist elective provides an in-depth look at the unique competencies that are required to be a hospitalist. The goal is to provide exposure to a wide variety of patients on the inpatient setting at the main Dallas campus. Residents can work at the Plano campus in a community setting. During this elective, residents will work one-on-one with hospitalist faculty, primarily on service lines organized without a resident team although exceptions are made based on individual needs and special circumstances.

The hospitalist elective provides an opportunity to manage your own service with attending supervision. Residents will gain additional skills to manage patient throughput and implement care coordination across the multidisciplinary spectrum. The resident can learn the basics of inpatient coding and billing and gain exposure to quality improvement, inpatient administration, and committee meetings.

INFECTIOUS DISEASE: GENERAL CONSULT/CLINIC SERVICE

Faculty Contact	Amanda Evans MD, Jeffrey Kahn MD, Michael Sebert MD
Administrative Contact	Kevin Lynch
# of residents allowed at a time	3
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	Not ideal; possible if on for both weeks

Who might this Elective appeal to?

EVERYONE! Infectious Diseases touches every sliver of pediatrics – from general pediatrics such as ambulatory and hospital medicine to ER/acute care to subspecialties such as heme-onc, pulm, and GI. We have even closer ties to subspecialties such as rheumatology and immunology.

EVERY PGY LEVEL! An intern may want to solidify their antibiotic repertoire on General ID consult service, while a PGY3 may want to focus on more complex cases on immunocompromised ID service or general ID care in Ambulatory ID clinic.

EVERY BLOCK is unique! Epidemiologic factors offer unique experiences throughout the year – RSV seasons, Flu seasons, spring/fall months with musculoskeletal infection peaks...

Course Description

The goal of the ID elective is to provide the trainee, through exposure to a wide variety of infectious disease syndromes, an understanding about the evaluation and management of hospitalized and ambulatory patients with infectious diseases that pediatricians may encounter in various practice settings. Additionally, we strive to provide the trainee an education on the use of antimicrobial agents and the diagnostic testing methods available. The elective is individualized to each resident's interest. Each resident submits their preferences prior to their elective, and meets with the course director (Dr. Evans) prior to start of the elective to solidify their schedule. Elective options include (can select one or combine more than one option below):

1. General ID inpatient consult service
2. Immunocompromised host ID inpatient consult service (requires min 1wk Gen ID prior)
3. Ambulatory ID clinic, including General ID clinic and HIV clinic
4. Musculoskeletal ID (available on request)

General schedule on either consult service or clinic is Monday through Friday, out by 5pm. If special arrangements need to be requested, please contact Dr Evans.

INFECTIOUS DISEASE: ICH (IMMUNOCOMPROMISED) SERVICE

Faculty Contact	Amanda Evans MD, Jeffrey Kahn MD, Michael Sebert MD
Administrative Contact	Kevin Lynch
# of residents allowed at a time	2
Minimum # weeks allowed	1 (but prefer 2-4)
Prerequisites	General ID
Option to Schedule During 2-week clinic block	No

This elective is specialized for those interested in the evaluation of infectious diseases in an immunocompromised patient, including patients with malignancy, solid organ transplant, and bone marrow transplant.

INFECTIOUS DISEASE: AMBULATORY ID (INCLUDING HIV CLINIC)

Faculty Contact	Amanda Evans MD, Jeffrey Kahn MD, Michael Sebert MD
Administrative Contact	Kevin Lynch
# of residents allowed at a time	1
Minimum # weeks allowed	1 (but prefer 2)
Prerequisites	General ID
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

This elective provides residents the opportunity to care for patients with infectious diseases, such as HIV, in the outpatient setting. The block combines an experience of three clinics: congenital infection clinic (evaluation of infection in newborns), HIV/AIDS clinic (management of HIV infected and HIV exposed children and youth), and general ID clinic (children referred from the community for concern for infection, or follow of severe/hospitalized infections).

INTERPROFESSIONAL ELECTIVE

Faculty Contact	Jerithea Tidwell
Administrative Contact	(none)
# of residents allowed at a time	2
Minimum # weeks allowed	2 preferred (1 feasible)
Prerequisites	Complete form for custom calendar
Option to Schedule During 2-week clinic block	No

This rotation provides exposure to a broad range of health professions with a strong emphasis on nursing. The elective is envisioned primarily as an opportunity to have preceptors from different disciplines. In the course of the elective the resident will have the opportunity to observe common nursing tasks, such as vascular access, IV setup, NGT and urinary catheter placement. The residents get the opportunity to select the disciplines and the areas that they are interested in learning more about. The observations are arranged and scheduled by the course coordinator. Participating disciplines include but are not limited to: Respiratory Therapist, Dietician, Pharmacy, Physical Therapy, Social Work, Care Coordinator, Child Life Specialist, Pastoral Care, Speech Therapy, Wound Specialist, PICC team & Diabetic Educator.

LEGISLATIVE ADVOCACY

Faculty Contact	Texas Pediatric Society (TPS)
Administrative Contact	TPS
# of residents allowed at a time	1
Minimum # weeks allowed	1-4
Prerequisites	TPS Application – Competitive Process; LGO form
Option to Schedule During 2-week clinic block	No

Currently, this experience is only offered as a custom elective.

THRIVE CLINIC

Faculty Contact	Roy Heyne MD
Administrative Contact	None
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

Rotating through the Thrive Clinic offers those interested in neonatology a unique opportunity to explore patient outcomes. It allows the resident to explore the relationship between various interventions in the NICU (surfactant, antenatal steroids, etc.) and their long-term impact on patients. As a member of the NICHD's Neonatal Research Network, Thrive Clinic participates in long-term follow up studies. Residents typically shadow nurse practitioners or Dr. Heyne. The clinic sees patients for both well child and sick visits. Residents are also able to observe neurocognitive exams (The Bayley). There are videos and literature available to residents explaining the neurocognitive exam. Residents are expected to give a short presentation at the end of the rotation. The clinic has a library with reference material available to residents.

This rotation may be of interest for those who wish to follow patients after discharge from the NICU.

MEDICAL HUMANITIES

Faculty Contact	Sudha Mootha MD
Administrative Contact	Ragaile Thompson
# of residents allowed at a time	10
Minimum # weeks allowed	1
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes

This rotation is intended to study one's understanding of illness and care in the context of different cultures and socioeconomic demographics and spiritual traditions. There will be writing assignments reflecting on the caregiver's personal narrative. Outside presenters and online presentations will address the humanistic aspects of medical care. The primary outcome is personal growth as a compassionate physician. The study of humanities helps preserve and nurture the humanity of the caregiver in the long term and thus facilitates kindness and compassion in caregiving. This is a one week elective studying medical humanities and reflecting on personal experiences in medicine.

NEUROLOGY

Faculty Contact	Rana Said MD
Administrative Contact	Kellie Shaw
# of residents allowed at a time	2
Minimum # weeks allowed	2wks or 4wks
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

The rotation is based in the Pediatric Neurology clinics, and focuses on outpatient child neurology to complement the exposure to inpatient neurology gained on the pediatric services. The resident participates in the general child neurology clinics as well as specialty clinics in epilepsy, stroke, and neuromuscular disorders at both the CMC clinics and Texas Scottish Rite Hospital. The rotation requires attendance at several weekly teaching conferences and recommended reading will include pertinent journal articles and textbook chapters. In the last two weeks of the rotation the resident may elect to focus on a specific aspect of child neurology and substitute specialty inpatient or neurophysiology laboratory experience for general clinics.

NEWBORN

Faculty Contact	Abby Patterson MD
Administrative Contact	Ka'Briana Person
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	Completed PGY1
Option to Schedule During 2-week clinic block	Not ideal, but possible if on for at least 2 weeks

This elective may appeal to residents seeking:

- A career in primary care pediatrics or neonatology
- Circumcision certification (minimum 2 week requirement)
- Experiences in quality improvement, medical education, and medical administration and leadership

This elective is highly customized to the resident's interests and needs to meet individual goals. Example goals include increasing familiarity and proficiency with the newborn exam and confidence in management of common newborn problems, training to preform neonatal circumcision, and increasing comfort and proficiency in the delivery room. Residents can also work with faculty to participate in ongoing quality improvement projects and medical curriculum development. Additionally, residents with an interest in policy implementation, medical administration and leadership will have an opportunity to explore these subjects. The resident will have opportunities to bolster their teaching skills, both through mentoring interns and medical students as well as a formal topic or project presentation at the end of the rotation. You will meet with a newborn attending in advance of your elective to establish goals and determine your schedule. This rotation is Monday-Friday, no weekend expectations. Schedule of the day is individualized.

NUTRITION

Faculty Contact	Meghana Sathe MD, Sarah Barlow MD, Amy Holcombe, Karen Jasso
Administrative Contact	None
# of residents allowed at a time	1
Minimum # weeks allowed	1 minimum, 2 maximum
Prerequisites	Limited capacity; requires prior approval
Option to Schedule During 2-week clinic block	No

This rotation is designed to expose the resident learner to topic like: age appropriate anthropometrics for patients, how to interpret growth charts and growth trends, normal expected growth throughout childhood, estimated needs using the dietary reference intakes (DRI), causes of variance from normal growth, normal eating throughout the life cycle, formula types and composition, formula use in different disease states, malnutrition, refeeding syndrome, assessment of a failure to thrive child, parenteral nutrition needs and macro and micronutrients of parenteral nutrition.

Residents spend time with our dietitians in nutrition clinic learning about the use of behavior modification in nutritional counseling, as well as medical nutrition therapy for a variety of patient populations, including disordered eating. Residents also work with a dietitian during rounds for services that do not include residents (NICU, BMT, CVICU, and Hepatology). Time will also be included for the resident to have one on one time with both inpatient and outpatient dietitians, to learn how medical nutrition therapy is applied.

An advanced nutrition elective is available for senior residents that are interested in subspecialty nutrition. Time will be spent reviewing nutrition specific research and reviewing/practicing with RD in Specialty Area. A case study in specific area of interest will be completed.

Clinical Nutrition Elective for Interns

Blocks available: 1, 2, 3

Clinical Nutrition Elective for Senior Residents

Blocks available: 13

OBESITY CLINIC

Faculty Contact	Olga Gupta MD
Administrative Contact	Bethany Cartwright (fellow)
# of residents allowed at a time	1
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

Participate in the care and counseling of patients with pediatric obesity and observe multidisciplinary care including nutritional counseling, promotion of physical activity, motivational interviewing, management of obesity complications, therapy for disordered eating behaviors, and bariatric surgery. Gain an understanding of nutritional and activity recommendations for patients with obesity, the screening and treatment of obesity complications, and the multidisciplinary management of severe obesity and its complications. Develop relationships with interdisciplinary providers that coordinate care. Practice how to discuss weight management with families in a professional, non-judgmental, and non-stigmatizing manner. Become familiar with evidence-based guidelines regarding the prevention and management of pediatric obesity in both the primary and tertiary care settings and incorporate these into practice in the care of pediatric patients with obesity.

OPHTHALMOLOGY

Faculty Contact	David Weakley MD
Administrative Contact	Melinda Marcum
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

This elective strives to provide residents with a unified approach to the evaluation and management of patients with common ophthalmologic problems that may be encountered in general pediatrics. The resident will gain a thorough understanding of strabismus and other eye conditions that affect children. He/ she will learn when it is necessary to refer to a pediatric ophthalmologist. Each resident works with one of our fellows/residents and our orthoptist to see how pediatric eye exams are performed and what the pediatric ophthalmologist is looking for in their exam. The orthoptist will teach them about the basics of strabismus, esotropia, exotropia, & pseudo-esotropia. The resident will also have the opportunity to observe procedures in the clinic and operating room.

Clinic is Monday through Friday patients are scheduled starting at 8:20 each day except Friday when patients are scheduled at 8.

PALLIATIVE CARE

Faculty Contact	Stockton Beveridge MD
Administrative Contact	Mittie Dillard-Carr
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	none
Option to Schedule During 2-week clinic block	No

The principles of palliative care are applicable for all pediatric learners, though it is especially helpful for residents thinking about specializing in oncology, PICU, NICU, neurology, pulmonary, and cardiology. During the Palliative care rotation, residents will learn how to approach end of life care, how to merge plans of care with parental values, and learn about hospice services. A focus of the rotation is communication, especially in the setting of medical complexity and emotional intensity. The rotation is typically 9am-5pm with no weekend responsibilities.

PATHOLOGY

Faculty Contact	Rebecca Collins MD
Administrative Contact	Untaya Stano
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

This elective may appeal to anyone who has ever wondered how patient specimens are handled and processed. Clinical pathology is applicable to almost every aspect of pediatrics. Anatomic pathology is particularly applicable to those interested in GI/Liver and Oncology. The Dallas-campus-based rotation is offered for 1-4 weeks and is primarily based in anatomic pathology. Residents are exposed to the macroscopic handling and preparation of patient specimens and the microscopic analysis and interpretation of that material. Those residents with an interest in clinical pathology can arrange to observe the clinical labs (chemistry, microbiology, etc.). The daily schedule is usually from 9am-4pm with no required conferences; however, optional participation in departmental conferences is permitted. The schedule is flexible and arrangements can be made with Dr. Collins.

PHM NEUROLOGY (YELLOW)

Faculty Contact	Sarah Bradley MD
Administrative Contact	Allisha Azard
# of residents allowed at a time	2
Minimum # weeks allowed	1
Prerequisites	none
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

The overall goal of this elective is to provide residents exposure to a wide spectrum of neurologic pathology in children including epilepsy and seizure disorders, neuromuscular disorders, neuroimmunology, movement disorders, stroke and cerebrovascular disorders, infectious diseases affecting the nervous system, headache, psychiatric and psychologic disorders, neurodevelopmental disorders, and other neurologic conditions. Residents will work with the yellow hospitalist attending, as well as spend days shadowing the neurosurgery, neurology, and psychiatry consult teams depending on the length of the rotation. Residents will complete online pediatric hospital medicine neurology modules and learn how to use ultrasound to assist with lumbar punctures.

PROCEDURES (CUSTOM)

Faculty Contact	Elective Chief
Administrative Contact	Melissa Nader
# of residents allowed at a time	1
Minimum # weeks allowed	1
Prerequisites	Custom Calendar
Option to Schedule During 2-week clinic block	Yes

The procedure rotation is a scheduled week-long experience during PGY1; however, an advanced procedure week is also available as a rotation for those residents who would like more experience. Residents reach out to departments of interest ([link here](#) for current residents only) to design their own calendar of procedures prior to the start of the rotation. Basic procedural skills are fundamental to the future careers of many of our residents. This rotation prepares residents to perform a number of minor procedures and provides an opportunity to practice and gain confidence in peripheral IV placement, venipuncture, intramuscular injections, bladder catheterization, incision and drainage, lumbar punctures, laceration repairs, foreign body removals, fracture splinting, circumcisions, and intubation. Rotation sites are tailored to each individual's needs and schedule; because these sessions are self-directed, experience gained will depend on a resident's level of engagement in the rotation. Timing of procedures is unpredictable so being flexible will ensure a great experience.

For those looking for more experience in one specific procedure, consider a custom rotation or rotating with a service that commonly performs that procedure. Residents on oncology rotation may specifically request experience with lumbar punctures; anesthesia rotation is a great place to practice intubation; the newborn nursery offers IM injections and circumcisions.

PULMONOLOGY

Faculty Contact	Yadira Rivera-Sanchez MD
Administrative Contact	Callie Davenport
# of residents allowed at a time	1
Minimum # weeks allowed	2 preferred but 1 acceptable
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes

Pulmonary conditions are among the most common causes for which pediatric patients seek medical care. Whether you are pursuing a career in general pediatrics or considering the possibility of a subspecialty, knowledge and understanding of the evaluation and management of pulmonary conditions is relevant.

The overall goal of this rotation is to provide residents with intensive exposure to a broad spectrum of pulmonary disorders in order to highlight principles of management, current controversies, and the respective roles played by the pediatrician and pulmonary subspecialist.

This is primarily an outpatient-based rotation in the pulmonary clinics that are available in our institution. These include, general pulmonary (asthma, bronchopulmonary dysplasia, chronic cough and wheezing), cystic fibrosis, neuromuscular diseases, aerodigestive, and sleep medicine clinics. In addition, exposure to the consult service can be incorporated to the rotation to explore the evaluation and management of patients who are hospitalized. In addition, residents will learn the general indications and basics of interpretation of pulmonary function testing which include but are not limited to spirometry, body plethysmography and exercise testing. When available, residents can observe a bronchoscopy procedure.

Schedules are created for each individual resident placing emphasis based on resident's interests. Residents are expected to attend the Friday afternoon conference organized by the fellows.

PSYCHIATRY

Faculty Contact	Mili Khandheria MD
Administrative Contact	Melissa Nader
# of residents allowed at a time	1
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes

The purpose of this rotation is for pediatric residents to identify common mental health concerns seen in children and start the initial therapeutic intervention prior to referring out to more specialized providers. The resident may also spend time with the psychiatry community pediatrics consult team (CPAN), with a debrief with the psychiatry attending after each call. Residents spend one day each week in the day treatment hospital, autism clinic, psychiatry clinics, and with self-learning modules.

RADIOLOGY

Faculty Contact	Mary Yang MD
Administrative Contact	Virginia Shaw
# of residents allowed at a time	3
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

Time on the elective is spent with radiologists in the morning interpreting radiography, fluoroscopy, ultrasound, CT, MRI, and nuclear medicine studies conducted on children of all ages and on all parts of the body. Residents are also invited to observe cases in interventional radiology. You may also observe the techs as they perform imaging studies, gaining insight into what your patient will experience when you send them for a scan. This elective allows for a high level of resident autonomy. You may choose which parts of the department are most relevant to your career plans and focus your experience accordingly. Afternoons are scheduled for required, self-paced completion of the online radiology curriculum.

Beyond the medical knowledge you will gain from this elective, we hope that you will leave with the understanding that radiologists are your friends. We don't just read images. We are consultants who can help you to take care of your patients. Having spent a month with us, we hope that you will continue to utilize us as a resource whenever you have a question or a difficult case.

Additional Resources

Cleveland Clinic Pediatric Radiology Curriculum

(Look for the Pediatric Resident Curriculum under the Recommended Courses tab)

RARE DISEASE (NORD)

Faculty Contact	Angela Scheuerle
Administrative Contact	Melissa Nader
# of residents allowed at a time	1
Minimum # weeks allowed	2 (4 preferred)
Prerequisites	Completion of pediatric PGY1
Option to Schedule During 2-week clinic block	No
Special black-out dates:	June, July, and December

Goal of rotation: To expose residents to diagnosis, management, and treatment of patients with rare disease.

A common complaint of parents whose children have a rare disease is that none of the doctors have ever heard of it. Exposure to some of these conditions will help the resident in future practice, whether in primary care or a subspecialty. After this rotation, the resident:

- should be able to recognize when an unusual presentation/lab result/etc is an odd presentation of something common and when it is an unusual condition.
- should learn where to find current, trustworthy information about rare disease
- should gain some understanding of treatment protocols (or how to find treatment protocols).

Example clinics:

Pedi Disorder Sex Development	Pedi BWS/Oncology	Pedi Metabolic Genetics
22q deletion multidisc clinic	Pedi Cong Heart Disease	Pedi Neurofibromatosis
Adult Amyloidosis	Pedi Craniofacial	Pedi Neuromuscular
Adult Cong Heart Dis	Pedi Cystic Fibrosis	Pedi Orthopaedic/ACH TSRH
Adult Cystic Fibrosis	Pedi Disorder Sex Development	Pedi Rare Hematology
Adult Genetics	Pedi Dystonia Cityville	Pedi Sickle Cell
Adult Muscular Dystrophy	Pedi Fragile X syndrome	Pedi Spina Bifida TSRH
Dermatology/Morphea	Pedi Genetics	Pedi Tuberous Sclerosis TSRH
Metabolic Transition	Pedi Hered Spastic Paraparesis TSRH	Pedi Vascular anomalies
Pedi (DMD) Musc Dystr	Pedi Lipid	Pedi von Hippel Lindau

RENAL (NEPHROLOGY)

Faculty Contact	Smitha Vidi MD
Administrative Contact	LaTosha Smith
# of residents allowed at a time	2
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	No

The goal of the Pediatric Nephrology Elective is to provide interns and residents the opportunity to attend the nephrology clinics and learn the management of common renal problems that they may encounter in practice. These problems include disorders such as hypertension, proteinuria and hematuria, recurrent urinary tract infections and evaluation of fluid and electrolyte disorders. You will also evaluate more complex patients who have chronic kidney disease or inherited tubular and glomerular disorders. The pathophysiology of disease and principles of the management of patients will be taught using the patients the resident evaluates as a launch point for discussion.

Some residents will elect to spend some of their time on our consult service evaluating patients with acute kidney injury and the management of hypertension as well as fluid and electrolyte disorders. Residents will learn the principals of renal replacement therapy including dialysis and CVVHDF.

REACH (REFERRAL AND EVALUATION OF AT-RISK CHILDREN)

Faculty Contact	Suzanne Dakil MD
Administrative Contact	Tanya Gibson
# of residents allowed at a time	1
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	Yes (minimum 2 weeks)

This elective is open to all residents but is particularly useful for those interested in critical care, emergency care, and primary pediatrics. Residents work with the clinic team evaluating children with concerns for sexual abuse. Residents will become competent with a prepubertal and adolescent genital exam using a colposcope. Residents will also work with the consult team to see children in the hospital with concerns for physical abuse and failure to thrive related to neglect. Residents attend multidisciplinary team meetings on Wednesday and Thursday mornings and peer review on Friday morning. Residents go to court with faculty as opportunities arise. Residents have the opportunity to meet with and learn from detectives, CPS investigators, and local attorneys.

RESEARCH

Faculty Contact	Elective Chief
Administrative Contact	Melissa Nader
# of residents allowed at a time	no cap
Minimum # weeks allowed	1
Prerequisites	Complete LGOs, Research credentialing
Option to Schedule During 2-week clinic block	Yes

Recognizing that there are some difficulties in conducting research during a clinical rotation, the research elective allows residents to create a customized experience of one to four weeks dedicated to work on a research project. Residents will work with a faculty mentor to make meaningful progress on a new or ongoing endeavor. Prior to the start of the rotation, residents should find a faculty mentor, create their own learning goals and objectives, and create a general calendar of their time. Feedback on the proposal may be provided, and is intended to offer an additional perspective, with the goal of helping to anticipate potential hurdles and maximize the quality and feasibility of the project. At the end of the rotation, residents are asked to submit, at a minimum, a summary of the experience.

RHEUMATOLOGY

Faculty Contact	Tracey Wright MD
Administrative Contact	Sharon Moore and Linda Weatherwax
# of residents allowed at a time	1*
Minimum # weeks allowed	Prefer 3-4 but 2 acceptable (no clinic Thursdays)
Prerequisites	Complete Scottish Rite Credentialing
Option to Schedule During 2-week clinic block	Possible, if on for at least 2 weeks

The Pediatric Rheumatology rotation is offered to residents at all levels of training. Residents work closely with rheumatology faculty, fellows, and advanced practice providers seeing patients in clinic at Texas Scottish Rite Hospital and Children's Health. The resident will be taught how to examine and evaluate pediatric patients with all types of collagen vascular disease. The focus will be on the importance of detailed history and musculoskeletal examination in the diagnosis of connective tissue diseases. The elective will demonstrate the importance of continuity of care and a multidisciplinary approach in the case of chronic patients and enhance residents' ability to logically perform differential diagnosis. The resident will be exposed to the physical findings in all major collagen vascular diseases including juvenile arthritis, lupus, dermatomyositis and scleroderma.

SPORTS MEDICINE

Faculty Contact	Shane Miller MD
Administrative Contact	Tomasina Betoncur
# of residents allowed at a time	1
Minimum # weeks allowed	3-4 weeks
Prerequisites	Complete Scottish Rite Credentialing
Option to Schedule During 2-week clinic block	No

Become more comfortable evaluating and managing patients with musculoskeletal and sports-related injuries as you work directly with sports medicine and orthopedic faculty in an outpatient setting during this elective. The majority of time is spent in Sports Medicine clinic caring for patients with acute or overuse injuries to their knee, back, shoulder or other joints, or concussions. There is no overnight call, but there may be evenings and weekend duty consisting of training room and event coverage depending on the timing of your rotation, which may include various sporting events such as high school football games, marathons or triathlons, performing Pre-participation Physical Evaluations (PPEs), etc. The overall goal is to provide the future general pediatrician a higher level of knowledge in the treatment and referral of athletes and patients with musculoskeletal and sports-related injuries and conditions, but may also appeal to those who may be considering pursuing a fellowship in sports medicine, or those who wish to improve upon their musculoskeletal exam skills and sports medicine knowledge to prepare for the boards. Residents will give one 20-minute presentation on a topic of their choice at the end of the elective.

Suggested reading:

- Sports Medicine in the Pediatric Office (Metzl) <http://shop.aap.org/Sports-Medicine-in-the-Pediatric-Office-A-Multimedia-Case-Based-Text-with-Video> or [link here](#)
- Sallis, R. Examination Skills of the Musculoskeletal System. American Academy of Family Physicians.
- Halstead, M., Walter, K., et al. Sport-Related Concussion in Children and Adolescents. Pediatrics. 2010 September; 126; 597-615.

TOXICOLOGY

Faculty Contact	Jakub Furmaga MD
Administrative Contact	Tahitia Martin and Justin McClure
# of residents allowed at a time	2
Minimum # weeks allowed	2
Prerequisites	None
Option to Schedule During 2-week clinic block	No

This is a 2-4 week introductory course enabling the rotators to explore the specialty of medical toxicology. The resident will learn to use principles of biochemistry, physiology, and pharmacology in the management of poisoned patients. Daily rounds will focus on the discussion of Poison Control Center consults supplemented by pertinent lectures and presentation. The purpose of the course is to allow the resident the opportunity to explore a career in Medical Toxicology, and to provide clinical correlation for pathophysiology and pharmacology.

Schedule

- Monday: 8AM-11AM Poison Control Center case discussions. This is followed by lectures and activities.
- Tuesday: 8AM -10AM Poison Control Center case discussions. This is usually followed by fellow-led question-and-answer session. Additional lectures and activities such as journal club, toxic news, and grand rounds are held on this day. Day will end at 3PM.
- Wednesday: 8AM-11AM Poison Control case discussions. This is followed by lectures and activities.
- Thursday: 7:30AM-11:30AM Emergency Medicine Department conference. The rest of the day is independent study, and the student should use it to work on PowerPoint presentations and any other toxicology related projects.
- Friday: 8AM-11AM Poison Control Center case discussions. This is followed by lectures and activities.

Course requirements

Sign daily attendance log book in the classroom; complete TWO ACMT Environmental Modules on-line; complete one PowerPoint Picture Project; complete one PowerPoint final presentation

TRANSPORT

Faculty Contact	Archana Dhar MD, FAAP
Administrative Contact	Jimmy Puga RRT and Jessalynn Colbert RN
# of residents allowed at a time	1
Minimum # weeks allowed	2 preferred; 1 with prior approval
Prerequisites	None
Option to Schedule During 2-week clinic block	No

The goal is for the residents to observe and learn the entire transport process: from when the phone call is received from the referral facility, to activation and dispatch of the team with appropriate equipment in a time-sensitive manner.

We aim to teach residents how to assess and stabilize the patient at the referral facility with limited resources, succinctly communicate with the accepting physician, observe the management of the patient during actual transport in a confined environment, and the standardized hand off process. It would be a good learning elective for residents interested in pursuing Neonatology, Pediatric Intensive Care or Emergency Medicine fellowships.

All residents would be expected to meet with the Medical Director of Transport (MDT) on day #1 of their rotation and discuss key elements of Transport Physiology.

ULTRASOUND

Faculty Contact	Michael Cooper MD and Sarah Ginsburg MD
Administrative Contact	none
# of residents allowed at a time	2
Minimum # weeks allowed	2 weeks exactly (no more, no less)
Prerequisites	PGY2 & PGY3 only
Option to Schedule During 2-week clinic block	Potentially – may result in missing AM didactics

Introduction to incorporating Point of Care Ultrasound in the evaluation and management of patients with trauma, soft tissue infection, shock/undifferentiated hypotension and respiratory disease. Learn the indications, techniques and applications of Point of Care Ultrasound to Patient Care; Form differential diagnoses and management plans.

CUSTOM ELECTIVE(S)

Faculty Contact	Elective Chief
Administrative Contact	Melissa Nader
# of residents allowed at a time	10
Minimum # weeks allowed	1
Prerequisites	Completion of LGO, PLA, custom calendar as applicable
Option to Schedule During 2-week clinic block	Yes

The custom elective is meant to provide an opportunity for residents to design their own journey while still meeting ACGME learning goals and objectives (LGOs). [Link to the form](#) is included here (requires current UTSW account). Residents are asked to start reaching out to faculty contacts in their area of interest as soon as possible; sites not currently affiliated with UTSW/CMC may require a program letter of agreement (PLA), which may take 6 months to 1 year to approve (especially if it is an international site). We ask that PLAs be submitted 6 months in advance; and that LGOs be submitted at least 1 month in advance. Examples of common custom electives are included below.

Anesthesia – pain management	Foster care
Away rotation	GI – procedures
Business in private practice	Heme/Onc pharmacy / interprofessionalism
Camps	Informatics
Cardiology – imaging	Maternity/Paternity/Newborn care
Cardiology – procedures	Neonatology – Fetal medicine
Care of the newborn	Neonatology – Interprofessional skills
Developmental / Behavioral pediatrics	Orthopedics – MSK consults
Endocrinology – diabetes education	Psychiatry – eating disorders
ENT consults	Rheumatology - CMC Consults