**Rotation Descriptions**

Length: 60 minutes

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**Burn Unit**
The only pediatric burn unit in a 5-state region, Children’s Mercy staff provides patients with comprehensive care and outcomes above the national average.

Participants will:
- Experience the role of specialized physicians and nurses
- Observe effective interventions of Child Life Specialists in assisting patients during painful procedures

*For more information: Children’s Mercy Burn Unit*

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**Cardiac Catheterization Lab**
Specialists use balloon angioplasty, stents, and defect closure devices to help hundreds of children each year avoid surgery and hospitalization.

Participants will:
- Tour the uniquely designed Cath Lab
- Learn more about the less-invasive treatments available for heart conditions
- Observe a procedure (when possible)

*For more information: Children’s Mercy Heart Center*

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**Cardiothoracic Surgery**
A child’s heart can be the size of a strawberry, but our renowned program and highly-specialized surgeons achieve outcomes well above the national average while conscientiously providing holistic care to the child and family.

Participants will:
- Explore a specially designed surgical area that connects our Bio-Engineering and Cardiac Catheterization Laboratories
- Discover key elements of the Operating Room
- Observe heart surgery (when possible)

*For more information: Children’s Mercy Heart Center*

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**Emergency Services & Simulation**
Children’s Mercy is recognized for having a Level One Trauma Center, the highest level in the industry.

Participants will:
- Observe a trauma team simulation where resuscitation is required
- Learn about emergency team dynamics and communication strategies
- Shadow a physician and engage with other professionals (social workers and Child Life Specialists) in the midst of a busy Emergency Department

*For more information: Children’s Mercy Emergency and Urgent Care*

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**Ear, Nose & Throat (ENT) and Telemedicine**
The Ear, Nose and Throat (ENT) department is one of the busiest at the hospital, and the integration of telemedicine/tele-health has provided a mechanism for more efficient use of resources without compromising the integrity of services.

Participants will:
- See an inside view of the ENT (Otolaryngology) Clinic, Telemedicine/Tele-
health facility design and the surgical rooms where procedures are performed

- Observe ENT patients being evaluated and treated for a variety of ear, nose, and throat disorders, and witness the clinical team in action either through face-to-face care or through the use of technology

For more information: [Children's Mercy ENT](#)

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**Fetal Health Center**

Modern technology allows us to identify, in utero, a baby that will require surgery upon delivery, and the Fetal Health Center is here to help immediately. The Center provides comprehensive care (including pre-natal evaluations and genetic consults) for pregnancies complicated by suspected or diagnosed fetal anomalies.

Participants will:
- Learn more about these unique services
- Observe a delivery simulation in special delivery and operating rooms

For more information: [Children's Mercy Fetal Health Center](#)

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**Gastroenterology**

Looking inside a patient’s digestive tract with a flexible scope allows clinicians to diagnose and treat certain complex gastrointestinal conditions.

Participants will:
- Spend time with the team of physicians and nurses to learn more about Gastroenterology procedures and sedation
- Follow a patient and family through procedure preparation and the endoscopy process

For more information: [Children's Mercy Gastroenterology](#)

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**General Surgery**

The Department of Surgery performs an average of 65 surgeries a day. The highly skilled teams treat children with appendicitis, chest wall deformities, inflammatory bowel disease, eye conditions, hernias and more.

Participants will:
- If possible, observe a minimally invasive procedure in the operating room and follow the patient to recovery and discharge
- Be given the opportunity to interview the Operating Room surgeon

For more information: [Children's Mercy Surgery](#)

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**Hematology/Oncology**

Each year, more than 2,000 children are treated in our Hematology/Oncology department, which sees patients requiring treatment for cancer, sickle cell disease, hemophilia/bleeding disorders or bone marrow transplantation. This department treats more than 90% of new pediatric cancer cases in the region each year.

Participants will:
- Hear from patients, families and faculty the real-life stories of cancer diagnosis, treatment and survival
- Learn about chemotherapy, bone marrow infusion, blood products transfusion, factor product infusion, and other supportive therapies

For more information: [Children's Mercy Hematology-Oncology-BMT](#)

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**Intensive Care Neonatal Unit**

The Children’s Mercy Intensive Care Nursery (ICN) carries a Level IV designation, the highest level of recognition available, demonstrating the most advanced technology in the care and treatment of fragile or imperiled newborns.

Participants will:
• Tour the intensive care home for the infants
• Observe our clinical teams in action
• Hear the courageous stories of patients and families currently under our care

For more information: Children’s Mercy Neonatology

Kidney Dialysis
In 2013, US News and World Report ranked our End-Stage Renal Center in the top six nationwide. The Dialysis Program is dedicated to caring for patients diagnosed with acute and chronic kidney disorders requiring a treatment of renal replacement therapy combined with dialysis. Kidney transplants are also performed by our Renal Center.

Participants will:
• Learn about the complexities, implications, and broad reach of acute and chronic kidney conditions
• Gain an understanding of how our committed staff provide the top-notch care to our kidney patients in a healing and supportive environment

For more information: Children’s Mercy Dialysis

Orthopedics (Sports Medicine)
Specialists at the Center for Sports Medicine understand the child or adolescent athlete, and realize diagnosis, treatment, and recovery from injuries should be managed differently from other orthopedic-related injuries. With this approach, patients are able to realize distinctly positive outcomes and rapid recovery.

Participants will:
• Hear from children and adolescents being treated and recovering from sports-related injuries
• Learn how Children’s Mercy plays a part in the community by providing education and strategies to reduce the risk of injury to athletes

For more information: Children’s Mercy Sports Medicine

Ortho Surgery (Spine)
The Section of Spine Surgery manages all aspects of spinal care and provides expertise in early onset scoliosis. We use innovative surgical treatments and nonsurgical solutions, including vertebral stapling and guided growth techniques.

Participants in this rotation will:
• Observe surgical implantation of material into the spine
• Through simulation, go through steps such as pre-operative meetings between the surgeon and advanced practice nurses and post-surgical follow-up visits with the patient and family

For more information: Children’s Mercy Spine Surgery

Ophthalmology
The Section of Ophthalmology treats common eye problems such as blocked tear ducts, eyelid abnormalities, and crossed eyes, as well as rare and complex conditions such as pediatric cataracts, glaucoma, and tumors of the eye. If a condition is caught early, refractive eye surgery for children can mean the difference between a life of blindness and one of sight.

Participants will:
• Observe eye treatments and services in both inpatient and outpatient settings
• Have an opportunity to interview one of our highly-specialized pediatric ophthalmologists about their cutting-edge work

For more information: Children’s Mercy Ophthalmology
Pediatric Intensive Care Unit
The Pediatric Intensive Care Unit (PICU) provides comprehensive, family-centered care to acutely ill medical and surgical patients who require specialized nursing care.

Participants will:
- Observe the team in action in this busy, state-of-the-art critical care unit
- Engage, when possible, with patients and their families during this traumatic time

For more information: Children’s Mercy PICU

Pediatric Transport (Air & Ground)
Carefully transporting patients via ambulance, helicopter and airplane, our Pediatric and Neonatal Critical Care Transport Program has been awarded the “Transport Program of the Year” by the Association of Air Medical Services on multiple occasions in recent years.

Participants will:
- Be given a guided tour through the various transport vehicles
- See demonstrations of medical equipment for transport
- Learn how we promote safe and effective transport

For more information: Children’s Mercy Transport

Pharmacy/Pathology and Laboratory

Pharmacy
The Pharmacy Department provides service to every inpatient and outpatient setting in the Children’s Mercy system.

Participants will:
- Hear about how the pharmacy leverages its state-of-the-art technology to safely and effectively serve patients 24 hours a day
- Learn about the medication process at Children’s Mercy

For more information: Children’s Mercy Pharmacy

Pathology and Laboratory
Pathology and Laboratory teams handle and test patient specimens and samples, providing invaluable diagnostic information to aid in the timely and safe treatment of children.

Participants will:
- Learn what tests are performed, how, and for what purpose
- Meet with professional staff skilled in detecting and interpreting test abnormalities and disease states specific to children

For more information: Children's Mercy Pathology and Laboratory

Plastic Surgery (Cleft Palate and Craniofacial Surgery)
Plastic Surgery provides diagnostic evaluations, treatments, and services offering a wide range of reconstructive and cosmetic conditions.

Participants will:
- Observe minor procedures performed under local anesthesia
- Hear before-and-after surgery stories from faculty, patients and families

For more information: Children's Mercy Plastic & Reconstructive Surgery

Radiology
The Department of Radiology provides a safe and comfortable diagnostic testing environment for our patients, using much lower doses of radiation than equipment designed for adults.

Participants will:
- Observe the use of MRI, CT, PET, or Fluoro devices
- Learn how the integration of Child Life Specialists and non-invasive techniques to relax or alleviate fear and anxiety distinguishes our department from many across the country

For more information: Children's Mercy Radiology
Rehabilitation Medicine, Physical and Occupational Therapy
The Section of Rehabilitation Medicine provides early and intensive interventions to maximize a child’s function and development.

Participants will:
- Observe pediatric physical and occupational therapists as they work with patients in different settings, such as the therapeutic pool
- Learn about advanced technologies in rehabilitation which our specialists employ regularly to serve patients

For more information: Children’s Mercy Rehabilitation Medicine

Transplant Surgery
Children’s Mercy offers transplants for liver, kidney, bone, and small bowel conditions. The Pediatric Kidney Transplant Program is the largest in Missouri and Kansas. The Liver Transplant Program provides the full spectrum of medical and surgical service for infants, children, and adolescents diagnosed with liver disease. The new Pediatric Small Bowel Rehabilitation and Transplant Program is one of only a few programs in the United States.

- Learn about the life-saving techniques and treatments used to ensure transplant patients receive the best care possible
- Hear some of the stories of the patients, families, and staff whose lives have been affected by Transplant Surgery

For more information: Children’s Mercy Kidney Transplant; Children’s Mercy Liver & Intestinal Transplant