

Goals and Objectives
Pediatric Surgical Residency
Memphis, TN

Neonatology Rotation

Site – Le Bonheur Children’s Medical Center and the Newborn Center
1 month during first year of fellowship

Staff:

Ramasubbareddy Dhanireddy, MD

Marilyn Robinson, MD

John Ferguson, MD

Sheldon B. Korones, MD

Massroor Pourcyrous, MD

Ajay Talati, MD

Richard Cook, MD

(All are board certified neonatologists)

Educational Goal

The educational goal of the Neonatology Rotation at Le Bonheur Children’s Medical Center and the Newborn Center is to prepare residents with the knowledge base and clinical experience to provide direct and responsible patient management of newborns with congenital and infectious surgical conditions. By accomplishing a series of educational objectives, the surgical fellow will gain an understanding of the various medical conditions which may lead to surgical problems (i.e. extreme prematurity evolving into patients with surgical Necrotizing Enterocolitis). Through involvement with the care of high risk newborns the fellow will gain insight into the unique physiologic, medical, and psychosocial issues affecting ill newborns and their parents.

Objectives

The residents on the Neonatology Rotation are expected to achieve the following objectives based on the six core competencies.

Patient Care

Pediatric surgical residents will gain the experience necessary to provide patient care that is compassionate, appropriate, and effective for the treatment of acute and chronic neonatal health problems and the promotion of general health in preterm and other newborn infants. Specific aspects of this patient care the residents will experience include;

- Prenatal consultation with expectant parents of newborns with congenital anomalies.
- Direct participation in the multidisciplinary case conferences planning the perinatal care of high risk infants.
- Provision of daily care for newborns cared for in a high risk Neonatal center.

- Management of the airways in premature infants including the performance of intubation on neonates under faculty supervision.
- Gain experience and skill in obtaining IV access in neonates.
- Coaching and participation in discussions with the parents of a critical newborn about treatment options, including provision or withdrawal of care.
- Direct participation in discharge planning as part of the multidisciplinary team caring for critical infants.
- Direct participation in long term follow up of neonates treated surgically.

Medical Knowledge

Provides the pediatric surgical residents with medical knowledge about established and evolving biomedical, clinical, and cognate (eg, epidemiological and social-behavioral) sciences and the application of this knowledge to neonatal patient care.

- Attend high-risk deliveries (C-section and vaginal) and be prepared for resuscitation.
- Manage and gain an understanding of different ventilatory techniques used in pulmonary management of the newborn (CPAP, IMV, SIMV, HFV) and methods to avoid unnecessary ventilator associated toxicity.
- Gain a basic understanding of the normal ontogenic development of the lung, the appropriate use of surfactant therapy, nitric oxide, and ECMO
- Directly participate in the provision of nutrition in critical neonates and demonstrate an understanding of the effects of gestational age, and physiologic state on nutritional requirements of critical neonates.
- Demonstrate proficiency in provision of total parenteral nutrition (TPN) and the safe introduction of enteral feedings in extremely low-birth weight infants.
- Gain knowledge of important differences in sepsis occurring in the newborn period as compared to the rest of the pediatric population.
- Learn contemporary management of the neonates environment and demonstrate an understanding of normal and pathologic thermal regulation in critical newborns.

Practice Based Learning and Improvement

Provides the pediatric surgical residents with practice-based learning and improvement that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, and improvements in neonatal patient care.

- Neonatal Resuscitation Program (NRP) sponsored by the American Academy of Pediatrics will be offered and completion encouraged.
- Participate in discussions of newer therapies including INO and ECMO.
- Fellows will be encouraged to identify, prepare, and discuss a “diagnosis of the week” with the staff neonatologists who will supply materials and participate in these discussions.

- Fellows will be encouraged to pursue an academic interest in newborn outcomes and will be introduced to large neonatal databases that will be available for such pursuits.
- Participate in self evaluation of their own patient care practices, discuss how they meet standards, and develop ways to improve these practices.
- Analyze and evaluate neonatology literature and alternative studies that pertain to their patient's health problems.
- Use information technology such as Up-to-Date, PubMed, or Ovid to enhance patient care.
- Teach fellow residents, medical students, and interns basic surgical principles as they relate to the care of infants.
- Participate in root cause analysis of patient care errors and near misses to teach faculty, residents and students.

Interpersonal and Communication Skills

Provides the pediatric surgical residents with effective interpersonal and communication skills which result in effective information exchange and collaboration with newborns parents and other health professionals

- Articulate common concerns parents have and learn methods to provide ongoing emotional support for the entire family unit under stress because of an ill newborn.
- Actively Participate in multidisciplinary team meetings for psychosocial and discharge planning purposes.
- Verbalize the structure of the "team concept" of care that is integral to optimal neonatal outcome.
- Communicate and establish a therapeutic relationship with parents.
- Develop respectful and considerate attitudes towards parents, especially when delivering end of life counseling.
- Demonstrate effective communication skills with the newborn's family, and other health care personnel.
- Present a case accurately and succinctly.
- Provide timely, legible, thorough, succinct medical record documentation - histories and physical examinations, admission notes, progress notes, procedure notes and discharge summaries.
- Provide education and counseling to parents using non-technical, clear language.
- Speak clearly when addressing patient issues and management plans with parents and health care colleagues.
- Be willing to spend adequate time with parents addressing their questions and concerns.
- Use both non-verbal and verbal communication skills to effectively deliver education and counseling to parents and colleagues.
- Communicate effectively when discussing patient conditions and health care practices with fellow residents, attending physicians and other health care providers.

Professionalism

Teaches the pediatric surgical residents professionalism, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population by the example of the faculty.

- Interface with referring and consulting physicians and appropriate hospital staff in a professional and respectful manner, recognizing and instituting the core competencies.
- Professionally interact with patients, parents, attending physicians and allied health care personnel.
- Establish trust with patients, parents, and staff.
- Demonstrate respect, compassion, integrity, punctuality, reliability, and honesty with regards to patients, parents, and colleagues.
- Show regard for the opinions of others.
- Display initiative and leadership.
- Acknowledge errors, and alert patients and appropriate health care providers
- Create a plan of action to minimize errors.
- Demonstrate concern for educational development of students and residents.
- Volunteer for activities for the good of the institution and community.
- Ask for help when needed, and seek and accept feedback.
- Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
- Maintain patient confidentiality.
- Demonstrate understanding of the ethical concerns about pharmaceutical and patient gifts.
- Compassionately respond to issues of culture, age, gender, ethnicity, and disability in patient care.

Systems Based Practice

Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide neonatal care that is of optimal value to the patients and their families.

- Demonstrate ability to practice medicine in a publicly funded inner city hospital setting.
- Demonstrate knowledge of different types of medical practice and health delivery systems and know how this affects patient care.
- Demonstrate knowledge of business aspects of medical practice including coding and insurance.
- Work with ancillary team members (discharge planners, case managers, and social workers) to provide high quality cost-effective care.
- Use systematic approaches to reduce errors.
- Practice effective allocation of health care resources to avoid compromising quality of care.
- Serve as a patient advocate in the outpatient and inpatient setting.

- Direct care in inpatient and outpatient settings as a member of a multidisciplinary team.
- Demonstrate knowledge of how the health care system including other physicians, nurses, and health care professionals affect their patient care practices.

Goals and Objectives
Pediatric Surgical Residency
Memphis, TN

Pediatric Surgical Oncology Rotation

Site – St. Jude Research Hospital

Staff:

Stephen J. Shochat, MD
Andrew M. Davidoff, MD
Bhaskar N. Rao, MD

Educational Goal

The purpose of the Pediatric Surgical Oncology Rotation at St. Jude is to provide residents with the knowledge base and clinical experience to fully participate as a member of a contemporary multimodal cancer service caring for children with a variety of solid tumors. Specifically the resident will acquire special expertise in preoperative assessment, operative planning, technical aspects of tumor resection, intraoperative decision making, and postoperative management of children with solid tumors. In addition the fellow will gain experience in the surgical management of complications caused by chemotherapeutic treatment of children with a wide array of malignancies.

Objectives

The resident on the Pediatric Surgical Oncology Rotation is expected to achieve the following objectives based on the six core competencies.

Patient Care

Pediatric surgical residents will gain the experience necessary to provide patient care that is compassionate, appropriate, and effective for the treatment of childhood malignancy and related health problems and the promotion of general health in pediatric cancer patients. This experience will include;

- Direct participation in management of patients on the Pediatric Surgical Oncology Service with childhood tumors such as Wilms Tumor, neuroblastoma and sarcomas including bone tumors.
- Perform preoperative history, physical exams, and preoperative assessment of new patients presenting with solid tumors.
- Participate in multidisciplinary treatment planning for children with a variety of solid tumors.
- Gain expertise in contemporary methods for establishing long term vascular access in children with cancer through direct participation in placement of these devices.
- Perform major tumor resections under the direct personal supervision of the faculty including but not limited to limb salvage procedures, major thoracotomy, laparotomy, and minimally invasive surgery.

- Supervise performance of less complex procedures (such as insertion of central venous access and biopsy of superficial tumors) by more junior house officers as deemed appropriate by the Chief of Surgery.
- Participate and coordinate postoperative assessment, patient management, and outpatient follow up.

Medical Knowledge

Pediatric surgical residents will acquire medical knowledge including the established and evolving biomedical, clinical, and cognate (eg, epidemiological and social-behavioral) sciences applicable to the care of children with a wide variety of malignancies. Special areas of medical knowledge which will be emphasized include;

- Methods of accurately staging children with newly diagnosed neuroblastoma, Wilm's tumor, sarcoma's, germ cell tumors, and hepatic malignancies.
- The appropriate multimodal treatment for each of these conditions including the appropriate goals of surgical interventions, their timing, and their risks.
- A thorough knowledge of complications arising from chemotherapy and their impact on perioperative care of children with solid tumors.
- Understanding the management of complications following surgical procedures, and the impact of these complications on other aspects of cancer care in children.

Practice Based Learning and Improvement

Pediatric surgical residents will actively participate in practice-based learning and improvement that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, and improvements in pediatric surgical oncology patient care through:

- Participation in new and ongoing trials organized by the Children's Oncology Group, and institutional research protocols.
- Completion of an educational module concerning standards for human research.
- Collection of clinical data for research protocols in which their patients are enrolled.
- Computer charting and distant education will also be integral parts of this rotation.
- Attendance at weekly case conferences held with the faculty to discuss the management of all childhood solid tumors of as well as related oncology issues such as management of complications of chemotherapy and radiation therapy.
- Participation as often as possible in weekly Pathology conference, Hematology/Oncology Grand Rounds, Tumor Board, Solid Tumor Conference and Morbidity/Mortality Conference at St Jude, Children's Research Hospital.

- Present at the weekly Tumor Board once a month, at which time surgical patients will be discussed by the entire St. Jude Hematology/Oncology Faculty.
- Participate in clinical research projects.
- Participate in protocol development.
- Active involvement in transferring promising innovative therapies that are being developed in the Department of Surgery Research Laboratories to the bedside.
- The techniques of limb salvage and minimally invasive surgery in childhood malignancies are a specific expertise at St. Jude Children's Research Hospital
- Evaluate their own patient care practices, discuss how they meet standards, and develop ways to improve these practices.
- Demonstrate improvement in clinical management skills and techniques.
- Analyze and evaluate Oncology literature and alternative studies that pertain to their patient's health problems.
- Take responsibility for lifelong learning.
- Use information technology such as Up-to-Date, PubMed, or Ovid to enhance patient care.
- Teach fellow residents, medical students, and interns basic surgical principles as they relate to the care of children with cancer.
- Participate in root cause analysis of patient care errors and near misses to teach faculty, residents and students.

Interpersonal and Communication Skills

Provides the pediatric surgical residents with effective interpersonal and communication skills that result in effective information exchange and collaboration with children with cancer, their parents, and other health professionals.

- Articulate common concerns expressed by children with cancer and their parents and learn methods to provide ongoing emotional support for the entire family unit under stress.
- Actively Participate in multidisciplinary team meetings for psychosocial and discharge planning purposes.
- Verbalize the structure of the "team concept" of care that is integral to contemporary cancer care in children.
- Communicate and establish a therapeutic relationship with children and their parents.
- Demonstrate respectful and considerate attitudes towards children and parents, especially when delivering end of life counseling.
- Demonstrate effective communication skills with children, their parents, and with other health care personnel.
- Present a clinical case accurately and succinctly.
- Provide timely, legible, thorough, succinct medical record documentation including histories and physical examinations, admission notes, progress notes, procedure notes and discharge summaries.

- Provide education and counseling to parents using non-technical, clear language.
- Speak clearly when addressing patient issues and management plans with parents and health care colleagues.
- Be willing to spend adequate time with parents addressing their questions and concerns.
- Use both non-verbal and verbal communication skills to effectively deliver education and counseling to parents and colleagues.
- Communicate effectively when discussing patient conditions and health care practices with fellow residents, attending physicians and other health care providers.

Professionalism

Teaches the pediatric surgical residents professionalism, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population by the example of the faculty.

- Interface with referring and consulting physicians and appropriate hospital staff in a professional and respectful manner, recognizing and instituting the core competencies.
- Professionally interact with patients, parents, attending physicians and allied health care personnel.
- Establish trust with patients, parents, and staff.
- Demonstrate respect, compassion, integrity, punctuality, reliability, and honesty with regards to patients, parents, and colleagues.
- Show regard for the opinions of others.
- Display initiative and leadership.
- Acknowledge errors, and alert patients and appropriate health care providers
- Create a plan of action to minimize errors.
- Demonstrate concern for educational development of students and residents.
- Volunteer for activities for the good of the institution and community.
- Ask for help when needed, and seek and accept feedback.
- Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
- Maintain patient confidentiality.
- Demonstrate understanding of the ethical concerns about pharmaceutical and patient gifts.
- Compassionately respond to issues of culture, age, gender, ethnicity, and disability in patient care.

Systems Based Practice

Conduct a systems-based practice, as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide pediatric surgical oncology care that is of optimal value to the patients and their families.

- Demonstrate ability to practice medicine in a private not for profit children's research hospital.
- Demonstrate knowledge of different types of medical practice and health delivery systems and know how they may affect the care of children with cancer.
- Demonstrate knowledge of business aspects of oncology care including current issues with coding and insurance.
- Work with ancillary team members (discharge planners, case managers, and social workers) to provide high quality cost-effective care.
- Use systematic approaches to reduce errors.
- Practice effective allocation of health care resources to avoid compromising quality of care.
- Serve as a patient advocate in the outpatient and inpatient setting.
- Direct care in inpatient and outpatient settings as a member of a multidisciplinary team.
- Demonstrate knowledge of how the health care system including other physicians, nurses, and health care professionals affect their patient care practices.

Goals and Objectives
Pediatric Surgical Residency
Memphis, TN

Pediatric Surgery Rotation

Site – Le Bonheur Children’s Medical Center

Staff:

Max R. Langham, Jr., MD
Martin L. Blakely MD
James Eubanks, III, MD
Douglas Hixson, MD

Educational Goal

The educational goal of the Pediatric Surgery Rotation at LeBonheur Children’s Hospital is to provide residents with the knowledge base and clinical experience to successfully care for children requiring surgical treatment for acute and chronic congenital, malignant, traumatic, infectious and other acquired health problems of the head and neck, integument, chest, abdomen, genitourinary tract, endocrine system, and extremities, and the promotion of general health in infants and children from birth to 18 years of age.

Objectives

Residents on the Pediatric Surgery Rotation are expected to achieve the following objectives based on the six core competencies.

Patient Care

Pediatric surgical residents gain the experience necessary to independently provide patient care that is compassionate, appropriate, and effective for the treatment of children with a broad array of acute and chronic health problems and to promote general health in children through active participation in their care including;

- Direct participation in management of patients on the Pediatric Surgical Service with congenital, traumatic, infectious, and acquired surgical problems.
- Perform preoperative history and physical exams and preoperative assessment of new patients presenting with a broad array of surgical problems.
- Actively participate in a busy outpatient clinic, including evaluation of new consults, performance of minor procedures in a clinic setting, and provision of comprehensive follow up care for children treated surgically.
- Participate in multidisciplinary treatment planning for children requiring care in a neonatal or pediatric intensive care unit including trauma victims.
- Gain expertise in contemporary methods for evaluating victims of blunt and penetrating trauma, of establishing emergent airways, short and long term

vascular access, and understand the roles of operative and nonoperative management of specific injuries.

- Perform major operative procedures under the direct personal supervision of the faculty including but not limited to treatment of congenital malformations, necrotizing enterocolitis, and other infections requiring surgical management, especially appendicitis and its complications, tumors, hernias, minimally invasive surgery, correction of pectus excavatum, and techniques and methods of reoperative surgery.
- Acquire a thorough understanding of nutritional issues in children, the provision of both safe enteral and parenteral nutrition, and the management of malnutrition, gastro esophageal reflux, motility disorders and malabsorption syndromes.
- Acquire understanding of normal growth, and development, the epidemiology of surgical health care issues in children, and the effect of culture, education and environment on the lives and health of children.
- Directly participate in provision of consultative services for hospitalized children cared for by inpatient pediatric and surgical subspecialty services.
- Supervise performance of less complex procedures by more junior house officers as deemed appropriate by the Program director and the Chief of Staff.
- Participate and coordinate postoperative assessment, patient management, discharge planning and outpatient follow up.
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Medical Knowledge

Pediatric surgical residents will gain comprehensive medical knowledge about established and evolving biomedical, clinical, and cognate (eg, epidemiological and social-behavioral) sciences and the application of this knowledge to pediatric surgical patient care including didactic and clinical instruction in the following areas.

- Embryology, genetic and environmental basis of birth defects
- Clinical research and evidence based medicine
- Physiologic response of children to injury
- Respiratory physiology and support in infants and children
- Normal and abnormal growth and development
- Child abuse and neglect
- Sexual differentiation, development, as it relates to intersex anomalies, trauma and psychosocial adjustments during adolescence.
- Care of Children with special health care needs
- Nutrition
- Trauma epidemiology, mechanism of injury, brain protection strategies, mass casualty issues in children
- Immunology and solid organ transplantation therapy
- Wound healing and scar formation
- Infectious disease
- Surgery of the respiratory, and vascular systems exclusive of the heart
- Surgery of the alimentary tract
- Surgery of the genitourinary tract

- Endoscopic surgery
- Minimally invasive techniques
- Surgery of the spleen and lymphatic systems
- Surgery of the integumentary system
- Complications of head and neck, thoracic, abdominal, genitourinary, and extremity procedures

Practice Based Learning and Improvement

Pediatric surgical residents will actively participate in practice-based learning and improvement that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, and improvements in pediatric surgical patient care through;

- Exposure to computer charting and distant education events.
- Attend weekly conferences held with the faculty including Pediatric Surgery Grand Rounds, Radiology conference, and bimonthly Surgical Pathology and Morbidity and Mortality conferences.
- Participate in clinical research projects.
- Evaluate their patient care practices, discuss how they meet standards, and develop ways to improve these practices.
- Complete a QA/QI project under faculty direction.
- Demonstrate improvement in clinical management.
- Learn new scientific advances and clinical approaches and implement evidence based changes into current patient care practices.
- Analyze and evaluate medical literature and alternative studies that pertain to their patient's health problems.
- Take responsibility for lifelong learning.
- Use information technology such as Up-to-Date, PubMed, or Ovid to enhance patient care.
- Teach fellow residents, medical students, and interns basic surgical principles as they relate to the care of children.
- Participate in root cause analysis of patient care errors and near misses to teach faculty, residents and students, and other health professionals.

Interpersonal and Communication Skills

Pediatric surgical residents will learn effective interpersonal and communication skills that result in effective information exchange and collaboration with children, their parents, and other health professionals. Specific competencies will include;

- The ability to articulate common concerns expressed by children with surgical problems and their parents and learn methods to provide ongoing emotional support for the entire family unit under stress.
- Actively and positively participate in multidisciplinary team meetings for psychosocial and discharge planning purposes.

- Provide positive leadership and participation in the multidisciplinary team of care that is essential to optimize outcomes for childhood victims of trauma, sepsis and those undergoing major surgical procedures.
- Communicate and establish a therapeutic relationship with children and their parents.
- Demonstrate respectful and considerate attitudes towards children and parents, especially when delivering end of life counseling.
- Demonstrate effective communication skills with children, their parents, and with other health care personnel.
- Present clinical cases accurately and succinctly.
- Provide timely, legible, thorough, succinct medical record documentation including histories and physical examinations, admission notes, progress notes, procedure notes and discharge summaries.
- Provide education and counseling to parents using non-technical, clear language.
- Speak clearly when addressing patient issues and management plans with parents and health care colleagues.
- Be willing to spend adequate time with parents addressing their questions and concerns.
- Use both non-verbal and verbal communication skills to effectively deliver education and counseling to parents and colleagues.
- Communicate effectively and confidentially when discussing patient conditions and health care practices with fellow residents, attending physicians and other health care providers.

Professionalism

Teaches the pediatric surgical residents professionalism, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population by the example of the faculty.

- Interface with referring and consulting physicians and appropriate hospital staff in a professional and respectful manner, recognizing and instituting the core competencies.
- Professionally interact with patients, parents, attending physicians and allied health care personnel.
- Establish trust with patients, parents, and staff.
- Demonstrate respect, compassion, integrity, punctuality, reliability, and honesty with regards to patients, parents, and colleagues.
- Show regard for the opinions of others.
- Display initiative and leadership.
- Acknowledge errors, and alert patients and appropriate health care providers
- Create a plan of action to minimize errors.
- Demonstrate concern for educational development of students and residents.
- Volunteer for activities for the good of the institution and community.
- Ask for help when needed, and seek and accept feedback.

- Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
- Maintain patient confidentiality.
- Demonstrate understanding of the ethical concerns about pharmaceutical and patient gifts.
- Compassionately respond to issues of culture, age, gender, ethnicity, and disability in patient care.

Systems Based Practice

Conduct a systems-based practice, as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide pediatric surgical oncology care that is of optimal value to the patients and their families.

- Demonstrate ability to practice medicine in a private-not for profit quaternary Children's Medical Center.
- Demonstrate knowledge of different types of medical practice and health delivery systems and know how this affects patient care.
- Demonstrate knowledge of business aspects of medical practice including coding and insurance.
- Work with ancillary team members (discharge planners, case managers, and social workers) to provide high quality cost-effective care.
- Use systematic approaches to reduce errors.
- Practice effective allocation of health care resources to avoid compromising quality of care.
- Serve as a patient advocate in the outpatient and inpatient setting.
- Direct care in inpatient and outpatient settings as a member of a multidisciplinary team.
- Demonstrate knowledge of how the health care system including other physicians, nurses, and health care professionals affect their patient care practices.

Goals and Objectives
Pediatric Surgical Residency
Memphis, TN

Pediatric Urology Rotation

Site – Le Bonheur Children’s Medical Center

Staff: Norman Noe, M.D.
Mark Williams, M.D.
Gerald Jerkins, M.D.

Educational Goal

The educational goal of the Pediatric Urology Rotation at Le Bonheur Children’s Medical Center is to provide residents with the knowledge base and clinical experience to diagnose and organize the provision of appropriate contemporary treatment for children with congenital and acquired problems of the genitourinary tract and the promotion of general health in infants and children from birth to 18 years of age. Pediatric Surgery residents may elect to spend one or two months rotating on the pediatric urology service during the first year of the pediatric surgery residency

Objectives

The residents on the Pediatric Urology Rotation are expected to achieve the following objectives based on the six core competencies.

Patient Care

Pediatric surgical residents will obtain the experience necessary to provide patient care that is compassionate, appropriate, and effective for the treatment of congenital and acquired genitorurinary problems and the promotion of general health in children by;

- Participate as a full member of the pediatric urology team in day-to-day management of patients on the urology service which includes making rounds, performing history and physicals, attending surgery, attending conferences, participating actively in the outpatient urology clinic environment and providing consultative services under the supervision of the faculty.
- Gaining experience in the diagnosis and management of common as well as unusual cases of acquired and congenital lesions of the genitourinary tract in newborn, infants and children.
- Diagnose and manage common genitourinary problems in a busy outpatient clinic.
- Participate as an active member of the multidisciplinary team caring for children with spina bifida in an outpatient setting.
- Assist and perform as appropriate, major genitourinary surgical procedures under the direct personal supervision of the faculty.
- Perform cystoscopic procedures under the direct personal supervision of the faculty.

- Independently perform minor genitourinary procedures as directed by the faculty.
- Teach Urology residents basic general surgical techniques and principles.

Medical Knowledge

Pediatric surgical residents with acquire medical knowledge about established and evolving biomedical, clinical, and cognate (eg, epidemiological and social-behavioral) sciences and the application of this knowledge to Pediatric Urology patient care through;

- learning the common diagnostic and radiographic imaging procedures used in the management of urologic disorders.
- Acquiring familiarity with urologic instrumentation and equipment as it applies to newborns, infants and children.
- Acquiring improved technical expertise and proficiency in pediatric urological endoscopic techniques.
- Learning the principles of urodynamics as they are applied to the diagnosis and management of urologic disorders.
- Become familiar with operative principles which form the basis for contemporary management of pediatric urologic problems.
- Be able to describe the more unusual, rare or infrequent congenital urologic anomalies and their appropriate surgical treatment.

Practice Based Learning and Improvement

Provides the pediatric surgical residents with practice-based learning and improvement that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, and improvements in pediatric surgical oncology patient care.

- Attend weekly case conferences held with the faculty to discuss the management of all childhood genitourinary problems
- Evaluate their patient care practices, discuss how they meet standards, and develop ways to improve these practices.
- Demonstrate improvement in clinical knowledge and management skills of genitourinary problems in children.
- Learn of new scientific advances and clinical approaches and participate in their introduction to current patient care practices.
- Analyze and evaluate Pediatric Urology literature and alternative studies that pertain to their patient's health problems.
- Take responsibility for lifelong learning.
- Use information technology such as Up-to-Date, PubMed, or Ovid to enhance patient care.
- Teach fellow residents, medical students, and interns basic surgical principles as they relate to the care of children.
- Participate in root cause analysis of patient care errors and near misses to teach faculty, residents and students, and other health professionals.

Interpersonal and Communication Skills

Pediatric surgical residents will learn effective interpersonal and communication skills that result in effective information exchange and collaboration with children, their parents, and other health professionals. Specific competencies will include;

- The ability to articulate common concerns expressed by children with genitourinary problems and their parents and learn methods to provide ongoing emotional support for the entire family unit under stress.
- Actively and positively participate in multidisciplinary team meetings for psychosocial and discharge planning purposes.
- Provide positive leadership and participation in the multidisciplinary team of care that is essential to optimize outcomes for childhood victims of sexual abuse and those undergoing major urologic procedures.
- Communicate and establish a therapeutic relationship with children and their parents.
- Demonstrate respectful and considerate attitudes towards children and parents, especially when delivering end of life counseling.
- Demonstrate effective communication skills with children, their parents, and with other health care personnel.
- Present clinical cases accurately and succinctly.
- Provide timely, legible, thorough, succinct medical record documentation including histories and physical examinations, admission notes, progress notes, procedure notes and discharge summaries.
- Provide education and counseling to parents using non-technical, clear language.
- Speak clearly when addressing patient issues and management plans with parents and health care colleagues.
- Be willing to spend adequate time with parents addressing their questions and concerns.
- Use both non-verbal and verbal communication skills to effectively deliver education and counseling to parents and colleagues.
- Communicate effectively and confidentially when discussing patient conditions and health care practices with fellow residents, attending physicians and other health care providers.

Professionalism

Teaches the pediatric surgical residents professionalism, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population by the example of the faculty.

- Interface with referring and consulting physicians and appropriate hospital staff in a professional and respectful manner, recognizing and instituting the core competencies.

- Professionally interact with patients, parents, attending physicians and allied health care personnel.
- Establish trust with patients, parents, and staff.
- Demonstrate respect, compassion, integrity, punctuality, reliability, and honesty with regards to patients, parents, and colleagues.
- Show regard for the opinions of others.
- Display initiative and leadership.
- Acknowledge errors, and alert patients and appropriate health care providers
- Create a plan of action to minimize errors.
- Demonstrate concern for educational development of students and residents.
- Volunteer for activities for the good of the institution and community.
- Ask for help when needed, and seek and accept feedback.
- Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
- Maintain patient confidentiality.
- Demonstrate understanding of the ethical concerns about pharmaceutical and patient gifts.
- Compassionately respond to issues of culture, age, gender, ethnicity, and disability in patient care.

Systems Based Practice

Conduct a systems-based practice, as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide pediatric surgical oncology care that is of optimal value to the patients and their families.

- Demonstrate ability to practice medicine in a private, not for profit quaternary Children's Medical Center.
- Demonstrate knowledge of different types of medical practice and health delivery systems and know how this affects patient care.
- Demonstrate knowledge of business aspects of medical practice including coding and insurance.
- Work with ancillary team members (discharge planners, case managers, and social workers) to provide high quality cost-effective care.
- Use systematic approaches to reduce errors.
- Practice effective allocation of health care resources to avoid compromising quality of care.
- Serve as a patient advocate in the outpatient and inpatient setting.
- Direct care in inpatient and outpatient settings as a member of a multidisciplinary team.
- Demonstrate knowledge of how the health care system including other physicians, nurses, and health care professionals affect their patient care practices.

Goals and Objectives
Pediatric Surgical Residency
Memphis, TN

Pediatric Endoscopic Surgery Fellowship Non-Standard Clinical Training Program

Site – Le Bonheur Children’s Medical Center

Staff:

Max R. Langham, Jr., MD
Martin L. Blakely MD
James Eubanks, III, MD
Douglas Hixson, MD

Educational Goal

The educational goal of the Pediatric Endoscopic Surgery Fellowship at LeBonheur Children’s Hospital is to provide residents with a specific knowledge base and clinical experience focused on minimally invasive and endoscopic treatment of common acute and chronic congenital, malignant, traumatic, infectious and other acquired health problems of the head and neck, integument, chest, abdomen, genitourinary tract, endocrine system, and extremities, and the promotion of general health in infants and children from birth to 18 years of age.

Objectives

Residents on the Pediatric Endoscopic Surgery Fellowship are expected to achieve the following objectives based on the six core competencies.

Patient Care

Pediatric endoscopic surgery fellows gain the experience necessary to provide patient care that is compassionate, appropriate, and effective for the treatment of children with a broad array of acute and chronic health problems and to promote general health in children through active participation in their care including;

- Direct participation in management of patients on the Pediatric Surgical Service with congenital, traumatic, infectious, and acquired surgical problems.
- Perform preoperative history and physical exams and preoperative assessment of new patients presenting with a broad array of surgical problems.
- Actively participate in a busy outpatient clinic, including evaluation of new consults, performance of minor procedures in a clinic setting, and provision of comprehensive follow up care for children treated surgically.
- Participate in multidisciplinary treatment planning for children requiring care in a neonatal or pediatric intensive care unit including trauma victims.

- Gain expertise in contemporary methods for evaluating victims of blunt and penetrating trauma, of establishing emergent airways, short and long term vascular access, and understand the roles of operative and nonoperative management of specific injuries.
- Perform common major operative procedures, especially those done using minimally invasive techniques under the direct personal supervision of the faculty including but not limited to treatment of congenital malformations, necrotizing enterocolitis, and other infections requiring surgical management, especially appendicitis and its complications, tumors, hernias, correction of pectus excavatum, and techniques and methods of reoperative surgery.
- Acquire a thorough understanding of nutritional issues in children, the provision of both safe enteral and parenteral nutrition, and the management of malnutrition, gastro esophageal reflux, motility disorders and malabsorption syndromes.
- Acquire understanding of normal growth, and development, the epidemiology of surgical health care issues in children, and the effect of culture, education and environment on the lives and health of children.
- Directly participate in provision of consultative services for hospitalized children cared for by inpatient pediatric and surgical subspecialty services.
- Supervise performance of less complex procedures by more junior house officers as deemed appropriate by the Program director and the Chief of Staff.
- Participate and coordinate postoperative assessment, patient management, discharge planning and outpatient follow up.

Medical Knowledge

Pediatric endoscopic surgery fellows will gain a broad medical knowledge about established and evolving biomedical, clinical, and cognate (e.g., epidemiological and social-behavioral) sciences and the application of this knowledge to pediatric surgical patient care including didactic and clinical instruction in the following areas.

- Embryology, genetic and environmental basis of birth defects
- Clinical research and evidence based medicine
- Physiologic response of children to injury
- Respiratory physiology and support in infants and children
- Normal and abnormal growth and development
- Child abuse and neglect
- Sexual differentiation, development, as it relates to intersex anomalies, trauma and psychosocial adjustments during adolescence.
- Care of Children with special health care needs
- Nutrition
- Trauma epidemiology, mechanism of injury, brain protection strategies, mass casualty issues in children
- Immunology and solid organ transplantation therapy
- Wound healing and scar formation
- Infectious disease
- Surgery of the respiratory, and vascular systems exclusive of the heart

- Surgery of the alimentary tract
- Surgery of the genitourinary tract
- Endoscopic surgery
- Minimally invasive techniques
- Surgery of the spleen and lymphatic systems
- Surgery of the integumentary system
- Complications of head and neck, thoracic, abdominal, genitourinary, and extremity procedures

| Practice Based Learning and Improvement

Pediatric endoscopic surgery fellows will actively participate in practice-based learning and improvement that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, and improvements in pediatric surgical patient care through;

- Exposure to computer charting and distant education events.
- Attend weekly conferences held with the faculty including Pediatric Surgery Grand Rounds, Radiology conference, and bimonthly Surgical Pathology and Morbidity and Mortality conferences.
- Participate in clinical research projects.
- Evaluate their patient care practices, discuss how they meet standards, and develop ways to improve these practices.
- Complete a QA/QI project under faculty direction.
- Demonstrate improvement in clinical management.
- Learn new scientific advances and clinical approaches and implement evidence based changes into current patient care practices.
- Analyze and evaluate medical literature and alternative studies that pertain to their patient's health problems.
- Take responsibility for lifelong learning.
- Use information technology such as Up-to-Date, PubMed, or Ovid to enhance patient care.
- Teach fellow residents, medical students, and interns basic surgical principles as they relate to the care of children.
- Participate in root cause analysis of patient care errors and near misses to teach faculty, residents and students, and other health professionals.

| Interpersonal and Communication Skills

Pediatric endoscopic surgery fellows will learn effective interpersonal and communication skills that result in effective information exchange and collaboration with children, their parents, and other health professionals. Specific competencies will include;

- The ability to articulate common concerns expressed by children with surgical problems and their parents and learns methods to provide ongoing emotional support for the entire family unit under stress.

- Actively and positively participate in multidisciplinary team meetings for psychosocial and discharge planning purposes.
- Provide positive leadership and participation in the multidisciplinary team of care that is essential to optimize outcomes for childhood victims of trauma, sepsis and those undergoing major surgical procedures.
- Communicate and establish a therapeutic relationship with children and their parents.
- Demonstrate respectful and considerate attitudes towards children and parents, especially when delivering end of life counseling.
- Demonstrate effective communication skills with children, their parents, and with other health care personnel.
- Present clinical cases accurately and succinctly.
- Provide timely, legible, thorough, succinct medical record documentation including histories and physical examinations, admission notes, progress notes, procedure notes and discharge summaries.
- Provide education and counseling to parents using non-technical, clear language.
- Speak clearly when addressing patient issues and management plans with parents and health care colleagues.
- Be willing to spend adequate time with parents addressing their questions and concerns.
- Use both non-verbal and verbal communication skills to effectively deliver education and counseling to parents and colleagues.
- Communicate effectively and confidentially when discussing patient conditions and health care practices with fellow residents, attending physicians and other health care providers.

Professionalism

Pediatric endoscopic surgery fellows will model professionalism, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population by the example of the faculty.

- Interface with referring and consulting physicians and appropriate hospital staff in a professional and respectful manner, recognizing and instituting the core competencies.
- Professionally interact with patients, parents, attending physicians and allied health care personnel.
- Establish trust with patients, parents, and staff.
- Demonstrate respect, compassion, integrity, punctuality, reliability, and honesty with regards to patients, parents, and colleagues.
- Show regard for the opinions of others.
- Display initiative and leadership.
- Acknowledge errors, and alert patients and appropriate health care providers
- Create a plan of action to minimize errors.
- Demonstrate concern for educational development of students and residents.

- Volunteer for activities for the good of the institution and community.
- Ask for help when needed, and seek and accept feedback.
- Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
- Maintain patient confidentiality.
- Demonstrate understanding of the ethical concerns about pharmaceutical and patient gifts.
- Compassionately respond to issues of culture, age, gender, ethnicity, and disability in patient care.

Systems Based Practice

Conduct a systems-based practice, as manifested by actions that demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide pediatric surgical oncology care that is of optimal value to the patients and their families.

- Demonstrate ability to practice medicine in a private-not for profit quaternary Children's Medical Center.
- Demonstrate knowledge of different types of medical practice and health delivery systems and know how this affects patient care.
- Demonstrate knowledge of business aspects of medical practice including coding and insurance.
- Work with ancillary team members (discharge planners, case managers, and social workers) to provide high quality cost-effective care.
- Use systematic approaches to reduce errors.
- Practice effective allocation of health care resources to avoid compromising quality of care.
- Serve as a patient advocate in the outpatient and inpatient setting.
- Direct care in inpatient and outpatient settings as a member of a multidisciplinary team.
- Demonstrate knowledge of how the health care system including other physicians, nurses, and health care professionals affect their patient care practices.

