

PGY-2 Pharmacy Residency Program



BAPTIST MEDICAL CENTER JACKSONVILLE

Baptist Medical Center Jacksonville, a 489-bed tertiary hospital that is the flagship of Baptist Health in Jacksonville, Florida, is centrally located on the south bank of the St. Johns River. Serving a region that is expanding both geographically and economically, Baptist Jacksonville provides a comprehensive range of services, including: a 24/7 emergency center, accredited chest pain center, certified comprehensive stroke center and like flight, Baptist Heart Hospital, Baptist Neurological Institute, Jacksonville Orthopedic Institute, Baptist Behavioral Health and Women's Health Services.



The downtown campus is home to Wolfson, Children's Hospital, the area's only children's hospital; and adjacent to the downtown campus is Nemours, a premier pediatric research clinic. The downtown campus is also home to Baptist MD Anderson Cancer Center providing comprehensive services to beat cancer. Baptist Health incorporates the tertiary hospital in downtown Jacksonville, a 146-bed full service medical center in Jacksonville Beach, a 64-bed acute care hospital in Amelia Island, a 100-bed full service medical center in Clay County and a 245-bed full-service hospital in South Jacksonville. The downtown pharmacy department also proved services to three area emergency rooms.

WOLFSON CHILDREN'S HOSPITAL

Wolfson Children's Hospital is part of Baptist Health multi-hospital system adjacent to Baptist Medical Center Jacksonville. Wolfson Children's Hospital is one of the nation's top children's hospitals. Founded in 1955, Wolfson Children's Hospital is a 280-bed regional referral hospital serving children and is the only children's hospital in Northeast Florida and Southeast Georgia. Wolfson Children's Hospital provides comprehensive services including, but not limited to a 24/7 emergency center, 7 satellite ERs, Level I trauma center, Level IV NICU services, Extracorporeal Membrane Oxygenation center and pediatric burn and wound center. In addition to having comprehensive state-of-the-art clinical facilities, Wolfson Children's Hospital has extensive partnerships with primary care physicians and pediatric sub-specialists in Jacksonville at Nemours Children's Health, the University of Florida and Mayo Clinic Jacksonville.



Wolfson Children's Hospital is a primary pediatric teaching facility for the University of Florida College of Pharmacy, College of Medicine, College of Nursing and College of Allied Health. Nemours Children's Health also plays an integral role in the education of young professionals, allowing the opportunity to be involved with a diverse patient mix and nationally renowned faculty.

DEPARTMENT OF PHARMACY

The pharmacy department services both Wolfson Children's Hospital and Baptist Medical Center. The pharmacy provides 24 – hours inpatient support for both facilities. The department is staffed with approximately 99 employees including technicians, centralized and decentralized pharmacists, pharmacy residents and interns, administrative personnel and clerical support.

The department utilizes automated drug delivery units and profile dispense throughout the hospital. A large percentage of our unit dose medications are packaged onsite.

Pediatric and adult decentralized clinical pharmacists provide clinical pharmacy services to their respective areas of practice. Clinical services provided by the department include:

Integral member of the interdisciplinary team providing recommendations to optimize medication treatment.

- Chemotherapy order management, assisting with prescribing and regimen management.
- Medication history verification and clarification by consult
- Medication education (patients, families, nursing, physicians, etc.)
- IV to PO dose conversion
- Renal dose adjustments
- Pharmacokinetic dosing
- TPN management
- Antibiotic stewardship
- Core measure assessment for VTE prophylaxis, MI and CHF medication goals
- Anticoagulant monitoring and counseling
- Duplicate therapy review and maintenance
- Management of therapy related to drug shortages.
- Alaris guardrail compliance monitoring
- Formulary adherence
- Participate in code blue, code green and code stroke.
- Nursing education
- Family education
- Order verification

BAPTIST HEALTH/ WOLFSON CHILDREN'S HOSPITAL PGY-2 PEDIATRIC RESIDENCY PROGRAM

Baptist Health/ Wolfson Children's Hospital PGY-2 Pediatric Pharmacy Residency Program is an ASHP-precandidate status, one-year training program in the pediatric population, beginning at the start of July and ending the following year at the start of July.

Purpose: Baptist Health/ Wolfson Children's Hospital PGY-2 pediatric pharmacy residency program will build upon a Doctor of Pharmacy (Pharm.D.) education and PGY-1 pharmacy residency program experience to contribute to the development of clinical pharmacists in specialized areas of practice. Our pediatric PGY-2 residency program provides residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care and other advanced practice settings. Residents who successfully complete an accredited PGY-2 pharmacy residency program are prepared for advanced patient care, academic or other specialized positions, along with board certification.

The flexibility of the PGY-2 Pediatric Residency Program will allow the resident to cater their residency experience based upon his or her goals, interests and experience. The resident is required to complete core rotations essential to becoming a well-rounded pediatric pharmacy practitioner. A variety of elective rotations are available, allowing the resident the opportunity to pursue their individual goals.

The PGY-2 resident is required to develop and complete a major research project, which will be presented at the annual pediatric pharmacy association (PPA) or equivalent. Additionally, the resident will have the opportunity to continue their develop oral and written communication skills and participate in leadership and practice management committees.

Upon successful complete of the residency program, residents will receive a certificate of completion.

PGY-2 PEDIATRIC PHARMACY RESIDENCY REQUIRED LEARNING EXPERIENCES

ROTATIONAL LEARNING EXPERIENCES- 4 WEEKS IN LENGTH

Orientation: the resident will be oriented to the purpose and practice environment; the PGY2 standards; the PGY2 competencies, goals and objectives; the design of the residency program including all program requirements, description of the learning experiences, evaluation strategy, resident manual, resident policies, terms and conditions, requirements of completion and education on burnout, risk and mitigation strategies.

Project (December): the resident will have one month to work toward completion of major projects required by the residency program. This includes but is not limited to: data collection and progress on research project; development of monograph or drug class review; final touches to medication use evaluation for presentation and ASHP midyear clinical meeting and progress on spring grand rounds presentation.

Pediatric Emergency Medicine: this learning experience will allow residents to become familiar with the role of the pharmacist in the pediatric emergency department. Routine responsibilities include independent daily rounds, medication reconciliation, pediatric dosing recommendations, antimicrobial stewardship, pain/sedation monitoring, medication discharge counseling, IV medication preparation, participation in pediatric resuscitations/codes, and assuring appropriate pharmacotherapy on all pediatric ED patients. The pharmacist provides drug information and education to healthcare professionals as well as patients and caregivers.

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Clinical Toxicology/ Poison Information: this rotation will take place at the poison information center located at UFJax hospital campus. It will emphasize poison information, allowing the resident to discuss pathophysiologic entities and formulate therapeutic and monitoring protocols for patients on a case-by-case basis.

ROTATIONAL LEARNING EXPERIENCES- 6 WEEKS IN LENGTH

General Pediatrics: the resident will gain experience and proficiency in clinical care required by the general pediatric patient. The resident will participate in daily patient care rounds, provide patient counseling, practice therapeutic drug monitoring, and lead topic discussions. The PGY-2 will also help preceptor any pharmacy students or residents that might be present on the general pediatric rotations. The goal of this rotation is to facilitate and increase the therapeutic knowledge and development of practice skills necessary for the provision of pediatric pharmaceutical care.

Neonatal Intensive Care (NICU): the resident will gain experience in caring for the unique needs of critical neonates on both a clinical and practical basis. This will be accomplished by gaining proficiency in neonatal pharmacotherapy and dealing with the day-to-day challenges of providing care to a variety of patients including very low birth weight neonates and infants with various congenital malformation, such as genetic disorders, neural tube defects, and congenital heart defects. A significant goal of this rotation will be development of an integral knowledge of all technology and equipment used in the neonatal population that may require special skills and/or knowledge to provide medications safely and effectively to neonates and infants of various ages.

Pediatric Intensive Care (PICU): the resident will participate in daily critical care round and unit sign-out rounds. The resident will gain experience in rendering pharmaceutical care to critically ill patients and patients who are medical technology dependent. The resident shall become proficient in recognizing the appropriate drug therapy for this patient population and will become familiar with common pediatric emergencies and critical illnesses.

Pediatric Hematology/Oncology: the resident will participate in daily hematology/oncology patient rounds. The resident will gain experience in providing pharmaceutical care to pediatric hematology, oncology and stem cell transplant patients. The resident will become familiar with common pediatric chemotherapy regimens and supportive care.

LONGITUDINAL LEARNING EXPERIENCES- 1 YEAR IN LENGTH

Pharmacy Administration: the resident will be introduced to and receive experiences in all aspects of pharmacy administration including budgeting, human resource issues, committee responsibilities, inter and intra departmental relationships and extra-hospital responsibilities during this year long experience. Responsibilities will be to contribute to a pharmacy workgroup, work on required administration projects and arrange for one social event involving the pharmacy department. During orientation, administration projects that have a first half of residency year deadline will be assigned.

Education: the resident will be given opportunities to provide education to physicians, nurses, pharmacists, pharmacy technicians and pharmacy students during this year long experience. At a minimum each PGY-2 resident will provide two pharmacy grand rounds, on CE for pharmacy technicians, and four journal clubs presented to the pharmacy department.

Research: the resident must complete a research project during this year-long experience. The learning experience will guide the resident through project development, proposal writing, IRB submission, data collection, data analysis and presentation of the project to the hospital and at the annual PPA conference. A final manuscript suitable for publication is required. A timeline/guideline is provided to each resident. A mentor will guide the resident throughout the year.

Ambulatory: the resident will participate in the pediatric complex care clinic. This learning experience will provide the resident with the opportunity to operate in an outpatient experience and provide them with opportunities for patient counseling, medication recommendations and transitions of care. A mentor, timeline and clinic guideline will be provided to each resident.

Service: this year-long experience provides the resident experience pediatric staffing decentralized every third weekend. The resident will serve as the pharmacist for their assigned area. Each resident is required to staff one major and one minor holiday.

PGY-2 PEDIATRIC PHARMACY RESIDENCY ELECTIVE LEARNING EXPERIENCES

Pediatric Cardiac Critical Care: the resident will build upon the skills and the knowledge acquired in pediatric intensive care and will focus on the provision of care for pediatric patients with cardiac diagnoses in the pediatric cardiac intensive care unit. Disease states and topics to be covered include congenital heart defects, cardiogenic shock, acquired heart diseases (endocarditis, myocarditis and pericarditis), heart failure and cardiomyopathy, and arrhythmias.

Pediatric Emergency medicine: this learning experience will allow residents to become familiar with the role of the pharmacist in the pediatric emergency department. Routine responsibilities include independent daily rounds, medication reconciliation, pediatric dosing recommendations, antimicrobial stewardship, pain/sedation monitoring, medication discharge counseling, IV medication preparation, participation in pediatric resuscitations/codes, and assuring appropriate pharmacotherapy on all pediatric ED patients. The pharmacist provides drug information and education to healthcare professionals as well as patients and caregivers.

Clinical Toxicology/ Poison Information: this rotation will take place at the poison information center located at UFJax hospital campus. It will emphasize poison information, allowing the resident to discuss pathophysiologic entities and formulate therapeutic and monitoring protocols for patients on a case-by-case basis.

Pediatric Nutrition: the purpose of the pediatric nutrition rotation is to provide an educational and valuable learning experience for a pharmacist in the fundamentals of pediatric nutrition therapy and management. Emphasis will be placed on developing the resident's communication skills in the field of nutrition support. The resident will participate in daily patient care monitoring and a variety of interdisciplinary activities. This rotation is designed to provide the resident with the basic tools needed to understand, rationally discuss and continue self-student in pediatric nutrition support.

Psychiatry: the resident will participate in daily rounds with the psychiatrist and other disciplines as needed. The resident will offer pharmaceutical care for both psychiatric and medical issues. Additionally, the resident will initiate patient interviews to discuss the patient's treatment regimen and provide medication education. The main areas of focus are depression, bipolar disorder, schizophrenia, anxiety disorders, autism, ADHD, substance use disorders and personality disorders.

Pharmacy Leadership: this rotation will provide the resident the opportunity to discuss and participate in activities involving pharmacy operational issues and philosophies. Areas of focus include leadership development, department budgeting, drug shortage management, human resource management, productivity measurement and compliance with laws, rules and standards of various regulatory organizations.

Pediatric Infectious Disease: the resident will gain experience and proficiency in the clinical care required by the complex nature of bacterial and viral infections observed in the hospital setting for pediatric patients. The resident will learn and implement antimicrobial stewardship principals. The resident will participate in daily patient care rounds and a variety of interdisciplinary activities. The resident will develop an understanding of infectious organisms, antibiotics combinations and pharmacokinetics.

Additional Elective Rotations: the resident can repeat a required or elective learning experience once during the residency year. Additionally, other electives may be available at other sites in the city as well as new elective may be developed.