A. WELCOME TO PEDIATRICS

In the next eight weeks, you will be introduced to the primary care specialty of PEDIATRICS. During this rotation, you will become a part of a health-care team, with a responsibility to care for and treat chronically and acutely ill children. In this process, you will learn about the common pediatric disorders. You will also be responsible for learning health maintenance in children and what it means to be a child advocate. Regardless of your anticipated career choice, you will need a strong foundation in Pediatrics. We welcome you to this rotation.

Honor Code, Code of Conduct, Technical Standards

ALL students must review the honor code, code of conduct, and technical standards before the beginning of the clerkship. We expect students to be aware of these rules and abide by them.

1) Honor Code: [http://www.uab.edu/medicine/honorcode](http://www.uab.edu/medicine/honorcode)
2) Code of Conduct: [http://www.uab.edu/medicine/codeofconduct](http://www.uab.edu/medicine/codeofconduct)
3) Technical Standards: [http://www.uab.edu/medicine/techstandards](http://www.uab.edu/medicine/techstandards)
I. PHILOSOPHY

Pediatrics is a primary care subspecialty of medicine, the primary concern of which is the comprehensive and continuing care of children. The basis of Pediatrics resides in an understanding of the growth and development of the human organism as it proceeds from birth to adulthood. Pediatrics is, therefore, not an organ-based specialty but one that evaluates the child, both in health and in disease, in terms of developmental physiology and its relationship to both family and society. Education within Pediatrics is patient related and interactive. The student must learn that infants and children are different from adults in their responses to both the environment and to disease. By understanding the child in terms of developmental biology, psychosocial development, and cognitive development, the student will begin to appreciate that area of medicine, which is Pediatrics. In dealing with children, the students in Pediatrics will have an opportunity to truly influence the future.

II. RECOMMENDED TEXTBOOKS

Harriet Lane Handbook  
Editors: Siberry & Iannone Mosby

Nelson Essentials of Pediatrics  
Editors: Behrman & Kliegman  
W. B. Saunders Company

Atlas of Pediatric Physical Diagnosis  
edited by Basil J. Zitelli, Holly W. Davis

Must have: calculator/smart phone app and the Harriet Lane Handbook

III. GOALS OF THE PEDIATRIC JUNIOR STUDENT CLERKSHIP

The overall goal of the Pediatric Jr. Student Clerkship is to expose the student to an environment in which excellence in pediatric patient care, teaching and research stimulates the student to explore the health-care needs of well and ill children. Although the eight-week clerkship period will expose the student to a wide variety of pediatric problems, the clerkship is by no means a comprehensive program of pediatric education. During the clerkship period, the student will be exposed to methods of inquiry, which will allow the student to approach and research problems of infants, children, and adolescents, which they might not have been exposed to during the clerkship. During their pediatric rotation, the Junior Medical Student is expected to become familiar with many of the ethical and moral issues involved in caring for children, to include recognition of child abuse and the requirement for every physician to remain a child advocate.

CONSIDERED HELPFUL BY PEDIATRIC CLERKSHIP STUDENTS

Pre-test  
Case Files  
Blue Prints  
U-World
IV. DESCRIPTION OF CLERKSHIP

The Junior Student Clerkship in Pediatrics consists of an eight-week rotation that takes place during the third year of the medical school curriculum. This rotation is designed to expose the student to outpatient and inpatient pediatric problems and principals of health care maintenance.

The pediatric clerkship is divided into three parts:

1. **UAB Huntsville Outpatient Clinic**
   Three weeks (split)

2. **Inpatient Service**
   Three weeks
   (Two weeks on the daytime inpatient service, four days on night float/ER, and two days weekend call)

3. **Community-Private Practice/ Specialty**
   Two weeks
   One week with Dr. Horton and at St. Jude; one week of Specialty Clinics (Ped Pulm, Ped Neuro, United Cerebral Palsy) plus two days with Dr. Powell.

**Morning Report:**

All students attend UAB Morning Report. The only exception is the student assigned to night float. Morning report hours are from 8 am until 8:30/8:45 am Tuesday and Thursday; location is Room 120-A at the Women’s Center (Pavilion).

**WELL BABY NURSERY**

The main nursery is located at HH for Women & Children on the 5th floor, however, some babies may be in the nursery on the 2nd floor. You will have two separate nursery weeks on Peds: one with UAB Pediatrics and the other with TN Valley Neonatology (and the FP Resident). When you examine babies, please review the mother and infant histories and perform a complete exam on the infant. Be prepared to present the baby to your attending or the resident and to talk to the mother. Please review the guidelines for the Well Baby Nursery in this notebook or on MedMap.

Students see babies Monday through Friday with UAB Peds and 4 days per week with Neonatology (Mon-Thu or Tue-Fri, depending on the resident’s schedule). NO nursery on weekends or holidays.

**UAB Babies** - Students who are assigned to the Pediatric Outpatient Clinic, will be assigned one week in the nursery with the UAB Pediatric attending on call—check call or clinic schedules as posted in clinic or on MedMap. Make sure you communicate with your attending about rounding. UAB Peds does not have newborns every day, so there may be days when you don’t have to go to the nursery. You can check patient keeper on your smartphone for UAB Peds newborns. Residents are not involved in the care of our newborns.

**TN Valley Neonatology / ‘Unassigned’ Babies** – One week has been designated as Neo Nursery/Ped Clinic week. NOTE: WEAR SCRUBS. You may be allowed to go to scheduled C-Sections.

Monday through Thursday OR Tuesday through Friday, depending on the resident’s schedule, students will see babies with the FP resident and TN Valley Neonatology attendings in the morning. The resident will be there every morning. The student should see one baby (max 2). The attending (with Tennessee Valley Neonatology) arrives at approximately 9:15am. You will report to the resident and may only be
allowed to present to the resident. Follow the residents’ lead; he/she may also assign topics for presentation. Make your rounds early enough to get all your work done.

NOTE:
- The NICU does multidisciplinary rounds on Monday, Wednesday and Friday at 8 a.m.; they round as a team on each baby in the NICU. The resident and student are invited to join them if all babies have been seen. It’s a unique opportunity to see things that likely won’t be seen in the well-baby nursery. Try to stay towards the front of the group so you can hear what is being said.
- On Tuesday and Thursday, you will have to interrupt work in the nursery to attend UAB Morning Report from 8-8:30.

Schedule template (larger version in Nursery section):

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>Meet resident and see one baby</td>
<td>Meet resident and see one baby</td>
<td>Meet resident and see one baby</td>
<td>Meet resident and see one baby</td>
<td>Meet resident and see one baby</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>NICU or Morning Report</td>
<td>NICU or Morning Report</td>
<td>NICU or Morning Report</td>
<td>NICU or Morning Report</td>
<td>NICU or Morning Report</td>
</tr>
<tr>
<td>9:15 AM</td>
<td>WBN Rounds with neonatologists</td>
<td>WBN Rounds with neonatologists</td>
<td>WBN Rounds with neonatologists</td>
<td>WBN Rounds with neonatologists</td>
<td>WBN Rounds with neonatologists</td>
</tr>
<tr>
<td>10:30 AM-12p</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
</tr>
<tr>
<td>12p-1p</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
<td>Pediatric Outpatient Clinic</td>
</tr>
</tbody>
</table>

NOTE: You will have one day off for a study day. That may be a Monday or a Friday. It will depend on the resident’s schedule. Pay close attention to your schedule.

Attendings from the neonatology group are: Drs. Davison, Dworsky, Israel, Morris & Novak. Follow the lead of your resident (Annsmey Noterman, MD = Jan 7 - Feb 3; Jessica Sparks, MD = Feb 4 - Feb 28). You will probably be done in the nursery by 10 am or shortly thereafter. You are free to study until noon lecture or until afternoon clinic.

You have a study day on either Monday or Friday, depending on the resident’s schedule. If there is a lecture scheduled, we expect you to attend.

OUTPATIENT CLINIC

During the Clinic section of your clerkship, you are involved in the care of patients at the UAB Pediatric Clinic. The attending physicians are Drs. Steffane Battle, Pippa Abston, Stacey Chavez, and Maria Salazar. Usually there will be three or four attending physicians, an intern and two to three students scheduled to see patients during the morning and afternoon sessions. Morning Clinics start at 8:15 a.m. Students arrive in morning clinic at 8:15 a.m. If you have nursery babies and/or Morning Report (Tuesday/Thursday), you should arrive immediately following these activities. At noon, students attend the noon lecture or Grand Rounds and return for the afternoon clinic beginning at 1:15/1:30 p.m. During this outpatient block, students will examine patients on their own and present to the attending physician. The student will see patients for health-maintenance visits learning to address acute and chronic problems as well as normal and abnormal developmental issues and sick visits, where the student will learn to perform a problem-focused history and exam.

Presentations: Students in Peds Clinic will be assigned a specific week during which they will present a topic at the end of morning report. Please choose a topic from the list on page 14 in this section. Your presentation must contain basic science elements for you to receive
INPATIENT SERVICE

Inpatient – Daytime: Each student will spend two weeks on the daytime inpatient service. This service is run by the HH Pediatric Hospitalists Dr. Mark Sapp (Director), Drs. Lorie Dawson, Nicole Monique Haughton, Laurie Imsand, Emily Ladner, and Kelly Stringer (details Tab C). You will start your first inpatient week on a Monday morning at 8 a.m.; report to the pediatric workroom on the 4th floor. Daytime shifts end at 5 p.m. On subsequent days, arrive early enough to pre-round on existing patients before morning report. The actual time will depend on the number of patients on the service. You will work with the resident assigned to work Wards for the day. This information is on the Wards schedule, which you can access via the UAB Wire page (follow the Pediatric links) or the UAB Huntsville WebPortal https://portal.uasomh.uab.edu/ Click on the Pediatrics Practice link. Resident schedules are on the “Pediatrics Resident Team Site” page.

Inpatient - Night Float with ER Shift:
You will be on night float one week during the Peds clerkship (Mon-Fri). We have, at the suggestion of students in previous blocks, moved the night in the Pediatric ER to the last night of the week.

Your Monday night float shift will begin at 7:30 pm. Call hours for night float are from 7:30 pm until 9:30 am the next day. These hours coincide with the resident’s call hours. You will work with the Family Practice PGY-2 resident on night float. You will have no patient care duties pre-call or post-call after rounds the morning after your last call of each section. All call will be done in-house! On the last night (Thursday), you will work in the Pediatric ER starting at 7:30 p.m. and remain in the ER until 6 a.m. the next morning and then transition to the Pediatric Inpatient Service to help with pre-rounding and rounds until 9:30 a.m. You do NOT have to attend lectures. You do NOT have to attend Morning Report.

Inpatient - Weekend: Each student will also be assigned one weekend of daytime call (Sat/Sun 7:30 a – 9:30 p). Again, your shifts coincide with the residents’ call hours.

While on the inpatient service, you are involved in the care of patients who are admitted to the Huntsville Hospital Women & Children’s Pediatric Ward on the fourth floor. The service is covered by the pediatric hospitalist service. The student will work under the direct supervision of the hospitalist attending and the PGY-2 resident on Pediatric Night Float and will be assigned patients who are admitted to the service. The student will follow these patients from the time of hospital admission through the diagnosis and treatment of their particular problems and will be involved in the final discharge planning of the patient, if possible. The night float PGY-2 resident should assist the medical student in formulating admitting orders although they can only be written by the intern or PGY-2. Students must be able to present those patients in morning report on either Tuesday or Thursday. Only students on night float and the daytime inpatient service will round with the hospitalists.
Inpatient - General: Each student is expected to prepare a total of two (2) formal write-ups on a patient (preferably a UAB Peds patient) with special attention to medical findings. At the end of the written H&P, the student should discuss one specific disease or problem related to the patient. You will find a sample write-up in your notebook under Tab E, Useful Tips. The student should turn the write-ups in to the UAB attending identified at the beginning of the clerkship as being responsible for critiquing write-ups: Only one Peds attending will review write-ups during any one clerkship block; attendings rotate throughout the year. Email or hand your write-up to that attending. The first write-up should be done during the first four weeks of the clerkship. Submit your next write-up AFTER you have received feedback on your first write-up. NOTE: Handing in both write-ups at the same time or two days before the end of your clerkship is not acceptable.

This block, please email write-ups to Dr. Pippa Abston, MD abstonp@uab.edu or hand her a hard copy when you are working in the Clinic.

COMMUNITY – PRIVATE PRACTICE/SPECIALTY
Students will work in several different settings:

1. Three days of specialty clinics plus two days in the office of Dr. Michael Powell (private pediatrician)

2. One week in the office of Dr. Charles Horton, Jr. (private pediatrician) and at the St. Jude Outreach Clinic

Specialty sessions (one half or whole day each) are with Pediatric Pulmonology, Pediatric Neurology, Pediatric Hematology/Oncology, and United Cerebral Palsy.

Dr. Horton: On Monday, Tuesday and Friday. Report at 9 am. You will see patients with him and review topics.

Pulmonology: On a Monday. Report at 8:30 am. You will work with Dr. Vinit Mahesh at North AL Children’s Services.

Neurology: One Tuesday and one Wednesday morning. Report at 9 am. You will work with Dr. Kimberly Limbo, a pediatric neurologist.

Hematology/Oncology: One Wednesday morning (report at 8:15am) and all day Thursday (report at 9 am). You will work with Dr. Jennifer Cox at the St. Jude Outreach Clinic. You will see children with cancer and blood diseases. You spend time reviewing and discussing common childhood cancers and hematologic disorders in children.

United Cerebral Palsy: One Tuesday or Wednesday afternoon (check your schedule). You will visit the office of United Cerebral Palsy and will have the opportunity to observe therapy sessions and acquaint yourself with services offered.

Dr. Powell: On Thursday and Friday. You will see patients with him and review topics. Report at 9:45 a.m. Use time before then to study.
**SIM Training:** The Huntsville Campus conducts SIM Training as part of the student curriculum. Dr. Pippa Abston, one of our pediatricians, is leading this project. The SIM training facility is located on the Campus of UAH. Exact location/directions and where and when to meet Dr. Abston will be sent to you by email. SIM date is Monday, February 1. ALL students have to attend!

**Study Time:** You will have several opportunities for independent study, to enter E*value data, and to complete the required CLIPP and eCLIPPs Cases. You have study time during (Neo) Nursery Week after morning rounds plus one entire day that week, Mon or Fri. In addition, there will be two half days during the Specialty week. All students are off the Thursday afternoon before the exam.

**Sick Policy:** As per the UAB handbook, you may be absent from a clerkship for two days for any reason including sick days. Notify the pediatric secretary (256-551-4600) and the attending physician as soon as possible if you are going to be out.

Sickness that precludes patient care specifically is febrile illnesses, vomiting and diarrhea. You should check with the attending for advice about illnesses especially when seeing patients in St. Jude’s Clinic. Newborns should be seen while wearing a mask if you have lingering respiratory issues with coryza. Hand washing before and after patient visits is always required whether sick or not.

**Work Hours:** Keep a close eye on your work hours. While it may be tempting at times to stay for additional experience, always keep in mind that you may not exceed 16 continuous work hours or 80 hours per week, averaged over 4 weeks. We have designed our schedules to prevent violations, but we rely on you to adhere to the schedules and remain within the allowed limits.

**Parking at Huntsville Hospital:** Students are not allowed to park over at Huntsville Hospital for Women & Children. You will need to park over at UAB and walk or take the tram. This also applies when you are scheduled for specialty clinics (Neuro/St. Jude). HH Security has booted student cars in the past and the fine is steep.
V. OVERALL OBJECTIVES

1. Apply the acquired knowledge of growth and development (physical, physiologic and psychosocial) from birth through adolescence in clinical encounters. (MEDICAL KNOWLEDGE)

2. Apply clinical problem solving skills to establish differential diagnosis and initial management of common Pediatric acute and chronic illnesses. (PATIENT CARE, MEDICAL KNOWLEDGE)

3. Emulate the approach of pediatricians to the health care of children and adolescents. (PATIENT CARE)

4. Act as an advocate for your pediatric patients while understanding and integrating the influence of family, community and society on the child in health and disease, including an understanding of the public and private resources available to meet the needs of pediatric patients. (SYSTEMS-BASED PRACTICE)

5. Communicate effectively with children, adolescents and their families as well as other physicians and other health related professionals, thereby ensuring that complete and accurate data are obtained. (INTERPERSONAL AND COMMUNICATION SKILLS)

7. Perform competent physical examinations of infants, children and adolescents. (PATIENT CARE, MEDICAL KNOWLEDGE)

8. Advocate health promotion as well as disease and injury prevention. (PATIENT CARE, SYSTEMS-BASED PRACTICE)

9. Demonstrate attitudes and professional behaviors appropriate for clinical practice. (PROFESSIONALISM)

10. Develop of a lifelong approach to learning and information acquisition. (PRACTICE-BASED LEARNING AND IMPROVEMENT)

VI. EVALUATION OF THE STUDENT

Evaluation of the student on the Pediatric rotation takes into consideration the student’s performance on the inpatient and outpatient rotations, as well as the performance on the multiple-choice-type question “mini-board” examination. The shelf-exam accounts for 30% of your grade, your clinical performance for 70%. You will receive a pass/fail grade at the end of your rotation. Honors criteria are as follows: **NBME raw score of 79 or above** and **clinical honors based on faculty vote**. You will need to review the descriptors in each category checked by your preceptor to gain an understanding of the areas in which you show strengths and weaknesses.
Failure of the final “mini-board” exam (scoring less than an NBME raw score of 62) will result in a grade of incomplete (I) for the entire clerkship. The student will be given an opportunity to retake the exam. When the exam is passed, the student will receive a grade for the clerkship. If the exam is failed the second time, the student will be required to retake the entire clerkship.

Approximately four weeks after the completion of the rotation, the students’ grades will be delivered to the Student Affairs Office. The written comments of the different attending physicians the student encounters during the Pediatric rotation are kept on file in the Student Affairs Office, as well as in the Department of Pediatrics. These are maintained on file to permit attending physicians to refresh their memories at the time a student comes to them for letters of recommendation for residency placement. These comments are also utilized in construction of the Dean’s Letter, which is sent from the Medical Student Affairs Office.

If, during the rotation in Pediatrics, a student is felt to be in jeopardy of receiving a deficient grade, information will be forwarded to the Pediatric Clerkship Director. After consultation with the attendings and resident physicians who have had contact with the student, the Clerkship Director will meet with the particular student involved to develop a plan of action designed specifically for that student to address the deficiency noted.

Mid-Term Evaluation – ALL students are required to have a mid-term evaluation performed by the Clerkship Director. This provides an opportunity for dialogue with the Attending regarding the student’s progress. This feedback will help the student ascertain their strengths and weaknesses, encouraging improvement. Rest assured, however, that you will be provided with verbal feedback throughout your entire Pediatric Clerkship.

Mid-term evaluations are scheduled at the end of the first four weeks, on Friday, Jan 29. Reminders and details will be sent by email. We expect you to have worked on your assignments (CLIPP, MedHub diagnoses/procedure logging, required encounters). Bring your encounter checklist to your mid-term meeting for review. We welcome comments and suggestions for improvement and change.

Honor Code, Code of Conduct, Technical Standards – ALL students must review the honor code, code of conduct, and technical standards before the beginning of the clerkship. We expect students to be aware of these rules and abide by them.
VIII.
EXPECTATIONS FOR THE STUDENT

The eight- or nine-week clerkship in pediatrics at the University of Alabama School of Medicine Huntsville Regional Medical Campus is not expected to impart the knowledge necessary to bring a student to the level of the pediatrician.

However, in the course of this rotation, the student will be expected to focus on several areas of information which will include: knowledge of normal growth and development, including physical growth, neurological development, alterations of behavior, and sexual material, and also the transition from intrauterine to extrauterine life, developmental physiology for all organ systems, and the development of the host defense system. Knowledge of events that represent normal development at certain ages that are distinctly abnormal at other ages should also be emphasized.

The principles behind the schedule for childhood immunization are a hallmark of pediatric preventive medicine and should be emphasized by the student.

The student should learn the basic principles of clinical treatment of pediatric illnesses, including problems of nutrition, fluid and electrolyte balance, and antibiotic therapy of common pediatric infections.

In addition, recognition of common pediatric problems including the common congenital malformations will also be important to the student’s success in pediatrics. During the pediatric rotation, the student is expected to become proficient in the performance of the pediatric history and physical examination, with special emphasis on the areas of growth and development, prenatal history, nutritional history, and the psychosocial development of each individual child.

The care of the child is a particular challenge when considering certain skills and techniques that are necessary for general pediatric care. The student is expected to familiarize him or herself with techniques for venipuncture, lumbar puncture, urine analysis, and gram stain of cerebrospinal and body fluids. (Review supervision requirements for certain procedures under Tab F.)