



The Florida State University
College of Medicine

Pediatrics Clerkship

BCC 7140

2014-2015

Table of Contents

Instructors.....	3
Education Director	3
Clerkship Directors	3
Announcements	4
Course Overview.....	5
Definitions	5
Clerkship Description	5
Outpatient Service	6
Inpatient Service	6
Minimum Required Cases for Pediatrics	8
Weekly Assignments	9
Electronic and Reading Resources	10
Electronic Patient Log (E*Value)	11
Weekly Clerkship Director’s Meeting	11
Competencies-Objectives-Assessment	11
Learning Objectives	13
Policies	16
Americans with Disabilities Act	16
Academic Honor Code.....	16
Attendance Policy	16
Library Policy	17
Required Resources	17
Suggested Resources.....	17
Helpful Pediatric Informatics & Other Resources	17
FSU College of Medicine Library	17
Sample Pediatric Shelf Exam – Self Assessment	18
Outline of Newborn exam in detail (no video).....	18
Physical Examination Skills	18
Otitis Media Videos of the tympanic membrane & pathologies	19
Great Website x medical student education topics (especially peds fluid & electrolytes)	19
Heart Auscultation.....	19
Congenital Heart Disease	19
Radiology	19
Pediatric Neurodevelopmental Exam	19
Pediatric Rare Diseases/Syndromes/Genetic Disorders	19
Genetics Home Reference	19
Grading.....	20

Instructors

Education Director

Dr. Harold Bland

Office: Florida State University
College of Medicine
Sarasota Regional Campus
201 Coconut Ave
Sarasota, FL, 34236

Phone: 941-316-8120

Email: harold.bland@med.fsu.edu

Clerkship Directors

Campus	Director
Daytona	Dr. Michael Bell
Ft. Pierce	Dr. Michael Jampol
Orlando	Dr. Joan Meek
Pensacola	Dr. Michelle Grier-Hall and Dr. Robert Wilson
Sarasota	Dr. Cynthia Samra
Tallahassee	Dr. Caulley Soto
<i>Immokalee</i>	Dr. Scott Needle

Announcements

Dear M3 Student,

Welcome to Pediatrics! The entire pediatric team is very excited about having you with us over the next six weeks. The Pediatric Team includes your regional campus Clerkship Director, your outpatient pediatric clerkship faculty member, the pediatricians and pediatric residents that you may work with on the inpatient rotation and the Education Director for Pediatrics. We hope that you will fully enjoy your time with us and learn new things about the care of children--whether or not you find pediatrics to be your ultimate career choice.

Pediatrics is the only specialty in which one may see, at one extreme, a 500 gram premature infant, and at the other extreme, a 136kg (300 pound) football player for a sports physical exam. As is true in all of medicine, you will need to understand the pathophysiological basis of disease. However, in Pediatrics you also must understand the interaction between the disease and the child's developmental milestones and psychosocial processes. There will always be MUCH TO LEARN. Multiple resources are available electronically, and there are suggested textbooks and review texts that you may be interested in reviewing.

Please don't hesitate to challenge any of us with questions. There is no such thing as a stupid question. Take the opportunity to ask your questions. Get involved and work hard. But, most of all ENJOY THE KIDS!! They are terrific "teachers"and fun.

If there is anything any of us can do for you while you are on the clerkship, please don't hesitate to let us know. For routine matters, contact your pediatric clerkship faculty member first. If something more urgent arises, please contact your regional campus Clerkship Director. I am always willing to talk with you about any of your experiences or concerns regarding the pediatric clerkship. My phone number is (941) 316-8120. My e-mail address is harold.bland@med.fsu.edu.

I hope that you will have fun learning with and from the kids.

Sincerely,

Harold Bland, MD

Harold Bland, M.D.

Education Director, Pediatrics

Course Overview

Definitions

Pediatrics is the medical discipline that deals with biological, social, and environmental influences on the developing child and with the impact of disease and dysfunction on development. Children differ from adults anatomically, physiologically, immunologically, psychologically, developmentally, and metabolically. Pediatrics involves recognition of normal and abnormal mental and physical development as well as the diagnosis and management of acute and chronic problems.

Pediatrician is the medical specialist who deals with the diseases of and prevention and promotion of health in infants, children (hereafter used to include infants, children, and adolescents) and adolescents. A Pediatrician is able to define accurately the child's health status, collaborate with other professionals and with parents to formulate management plans as needed, and act as a consultant to others in the problems and diseases of children. In turn, he/she knows when and how to use pediatric sub-specialists and other consultants. In so doing, he/she knows what to anticipate and is prepared personally to guide further management in concert with the consultant. He/she has the knowledge and skills to recognize and to react appropriately to life threatening situations in children. The Pediatrician understands this constantly changing functional status of his/her patient's incident to growth and development, and the consequent changing standards of "normal" for age.

Clerkship Description

The Pediatric Clerkship is a six-week clinical clerkship that includes both outpatient and inpatient responsibilities. Each student will spend four weeks with a general pediatrician in his/her office. The student will work one-on-one with this pediatrician, and learn how to obtain pediatric histories and perform physical examinations on children of various ages. The student will also become proficient in giving anticipatory guidance to children and their families. Each Pediatrician will orient the student to his/her office, and it is important that the student understand the expectations of the clerkship faculty.

Students at each regional campus will spend two weeks on the Pediatric inpatient service. Students in Orlando and Pensacola will work with the Pediatric residency programs for their inpatient experience, and will function as part of the "Pediatric Team". Students at the other regional campuses will work with Pediatric hospitalists during their inpatient rotation. Any student assigned to a rural track site for his/her outpatient Pediatric experience will spend the two-week inpatient portion at one of the six main regional campus sites.

Clerkship Directors meet with clerkship students on a weekly basis for case-presentations, discussion of weekly case assignments and special topics and discussion of case-related ethical issues.

Students doing outpatient Pediatrics in Immokalee will teleconference each week with the Clerkship Director at your assigned regional campus. **For students in Immokalee, you must contact the appropriate Clerkship Director to schedule the weekly teleconference sessions.** Each student will be directly observed interacting with a patient at least once by the Clerkship Director. The Education Director will assign the final grade based on faculty evaluations, Clerkship Director assessments of student performance in the weekly meetings and performance on the NBME Pediatric Clinical Subject Exam.

Outpatient Service

You will work with a carefully selected Pediatrician in his/her office, and will spend four days per week with this individual. The physician will orient you on the first day to the office practice, and introduce you to the other staff members. If your clerkship faculty makes hospital rounds, you are expected to round with him/her. You will care for infants in the normal newborn nursery, and see patients in the office daily. You should do at least one extensive workup per day on a patient that is new to you, including the write-up of the full history and physical examination, and should see a minimum of five or six patients per day for which you have been given the previous history and known medical problems. You will obtain the history, examine the patient and report your findings to your attending physician. At the end of the day, or at some other designated time, you should sit down with your attending and discuss the patients that you have seen. On one afternoon per week, the Clerkship Director at your campus will meet with you to talk about some of your experiences and to discuss the CLIPP Cases that have been assigned. **Please remember to record all your patient encounters and procedures in E*Value.** It is expected that at least 2/3 of your recorded patient encounters will involve moderate or full participation.

There will be a mid-rotation feedback session with your faculty member. At this session, you will receive feedback from your clerkship faculty about your strengths and weaknesses. Areas of performance that need improvement will be brought to your attention at this meeting.

As in all third year rotations, one-half day each week is spent in Doctoring 3 (Chronic Care Clerkship and Wednesday afternoon didactic sessions at the Regional Campus).

Inpatient Service

You will work with an attending physician and at some campuses, resident physicians. You will care for hospitalized children, and will learn how to manage the child and deal with the family stresses of having a child in the hospital environment. You are expected to attend morning report, round on your patients early in the day (before the attending), present your patients to the attending physician during rounds and attend any educational conferences that may be scheduled. You are expected to do one comprehensive work-up on a new patient per day, and should follow at least 2 or 3 other patients each

day (if the patient numbers are sufficient). You will follow your patients daily until they are discharged or until you are off service. You are expected to do an independent patient assessment, i.e., you will take the history and perform the physical exam before talking to anyone who may have already seen the child. This assessment should be complete and will require extensive time to perform and record.

You may also work with sub-specialist consultants who are assisting on your patients. Take advantage of these learning opportunities. In certain hospital environments, you may be caring for infants in the newborn nursery as well as children on the pediatric floor. If so, learn how to teach baby-care to the mother while she is hospitalized.

You will have on-call responsibilities while on the inpatient service, but you will not sleep in the hospital overnight. Your call will likely end by 10:00 PM unless there is a patient to admit. You will be on call one night each of the two weeks of your inpatient rotation, and will also take call on either the Saturday or Sunday of the weekend separating the two weeks of the rotation. Please speak with your attending about further details of being on-call. You will be told who you will be with when on-call. Please make certain that you let that individual know how to reach you so that you will not miss out on important learning experiences. You are not to leave the hospital without letting your **attending know and receiving permission to do so**.

You will likely be asked to create and deliver a PowerPoint presentation to your inpatient faculty during the last week of your inpatient rotation. This will be on a topic that is agreed upon between you and your clerkship faculty attending. The presentation should be 15-20 minutes long, with an additional 10 minutes for questions.

Take some extra time to get to know the children and their families. Playing games with the children can help to establish comfortable relationships.

You will have weekly scheduled meetings with your Clerkship Director.

On both the outpatient and the inpatient services, students will adhere to the ACGME rules regarding the workweek, which include working no more than 80 hours per week, no more than 24 hours continuously, except an additional 6 hours may be added to the 24 to perform wrap-up duties, and have at least one of every 7 days completely off from educational activities.

Minimum Required Cases for Pediatrics

The listed conditions/diseases reflect what students are encountering on their pediatric clerkship rotations. These conditions are what any student in a core pediatric clerkship in any medical school would be expected to encounter.

Abdominal pain	ADHD
Allergic rhinitis	Asthma
Atopic dermatitis/Eczema	Breast-feeding problems and counseling of breast-feeding mothers
Cardiac murmurs	Care of the "well" newborn (In hospital)
Conjunctivitis	Cough (Acute and Chronic)
Developmental screening	Diabetes (Type I and/or Type II)
Diarrhea	Fever
Fluid and electrolyte management	Growth problems, including Failure to Thrive (FTT)
Infectious diseases	Minor trauma
Nausea/Vomiting	Neonatal jaundice
Obesity	Otitis media
Pharyngitis	Pneumonia/Other pulmonary infections
"Rash"	Routine health care maintenance with age-appropriate anticipatory guidance
Seizure management	Sepsis/meningitis/cellulitis
URI	UTI

Your E*Value entries are monitored by the Clerkship Directors to assure that you encounter these conditions/diseases. If it becomes apparent that you are not encountering the expected patient encounters, every effort will be made to specifically select the needed patients for you to see. If these opportunities for specific patient encounters do not occur, the student will be exposed to the conditions/diseases secondarily through reading assignments, completion of CLIPP Cases, or discussions with clerkship faculty.

Weekly Assignments

Week 1	
CASE # 1	Prenatal and Newborn Visits
CASE #2	Infant well child visit (2, 6, and 9 months)
CASE #3	3 year old well child visit
CASE #4	8 year old well child check
CASE #5	16 year old girl's health maintenance visit
CASE #6	16 year old boy's pre sports physical

Week 2	
AAP links	Breastfeeding
CASE #7	Newborn with respiratory distress
CASE #8	6 day old with jaundice
CASE #9	2 week old with lethargy
CASE #10	Infant with fever
CASE #11	5-year-old with fever and adenopathy
CASE #12	10 month old with cough

Week 3	
CASE #13	6 year old with chronic cough
CASE #14	18 month old with congestion
CASE #15	6 week old with vomiting
CASE #16	7 year old with abdominal pain and vomiting
CASE #17	3 year old refusing to walk
CASE #18	2 week old with poor weight gain

Week 4	
CASE #19	16 month old with first seizure
CASE #20	7 year old with a headache
CASE #21	6 year old with a rash
CASE #22	16 year old girl with abdominal pain
CASE #23	11 year old girl with lethargy and fever
CASE #24	2 year old with altered mental status

Week 5	
CASE #25	2 month old with apnea
CASE #26	9 week old not gaining weight
CASE #27	8 year old with abdominal pain
CASE #28	18 month old with developmental delay
CASE #29	Infant with hypotonia
CASE #30	2 year old with sickle cell disease
CASE #31	5 year old with puffy eyes

Week 6	
Use time to review for pediatric subject exam (NBME Exam)	

Electronic and Reading Resources

Each student will utilize the CLIPP curriculum which is a national curriculum sponsored by the Committee on Medical Student Education in Pediatrics (COMSEP). CLIPP stands for **Computer Learning In Pediatric Programs**. **Each student must register individually by going to www.med-u.org to receive a password.** This password will allow you access to the pediatric cases. There have been a total of 31 cases developed, and these cases have been chosen to represent the curriculum that most medical schools feel ought to be taught in a third-year pediatric clerkship. The cases vary in length, but most will require between 60-90 minutes to complete. You are assigned six cases per week. There will be weekly quizzes over the CLIPP cases. The final week of your clerkship is reserved for review time to study for the NBME Clinical Subject Exam in Pediatrics.

In addition to the CLIPP curriculum, there are 5 sets of slides on breastfeeding produced by the American Academy of Pediatrics. The following link is provided for you to access these slides. **The breastfeeding module will be discussed during week 2, and the slides are available at the AAP website:**

http://www2.aap.org/breastfeeding/curriculum/references_resources.html

- Scroll about three quarters of the way down the page for the Section entitled “Breastfeeding Support and Promotion Speaker’s Kit, American Academy of Pediatrics Section on Breastfeeding, 2012” under Training Materials. There are 5 different sections to review.
- Each student is expected to review the entire set of slides, and be ready to discuss them in week 2. This is a very valuable resource to use in preparing to answer questions from breastfeeding mothers.

There are no required textbooks or required readings, but the following are good resources:

- Pediatric Clerkship Guide, 2nd Edition (Jerold C. Woodhead) Mosby, St. Louis, 2008
- Pediatrics for Medical Students, 3rd Edition (Bernstein and Shelov) Lippincott Williams and Wilkins, Baltimore, Maryland, New York, New York, and Philadelphia, Pennsylvania, 2012
- Guidelines for Perinatal Care, 7th Edition American Academy of Pediatrics and The American College of Obstetricians and Gynecologists, 2013
- Bates’ Guide to Physical Examination and History Taking, 9th Edition (Bickley and Szilagyi) Chapter 18: Assessing Children: Infancy Through Adolescence Lippincott Williams and Wilkins, Baltimore, Maryland, New York, New York, and Philadelphia, Pennsylvania, 2007

Electronic Patient Log (E*Value)

Please conscientiously and promptly record all patient encounters, including diagnoses, patient demographics, and your extent of involvement for any patient visit or procedure performed. Please record any developmental assessments you perform as ADLs on the procedure log. Prompt and complete data entry into E*Value is a requirement to pass the clerkship.

Weekly Clerkship Director's Meeting

You will meet weekly with your Clerkship Director, at the time determined by him/her. During these meetings, you will be expected to discuss your patient log entries, the CLIPP Computer Cases, the breast-feeding slides, and any other topics that may be assigned you. You are expected to come prepared for these meetings.

You will be given a weekly quiz over the CLIPP Cases. The scores obtained on the CLIPP quizzes are considered when a student is on the borderline between the grade of Pass and Honors. Thus, if a student scores between the 72nd and the 74th percentile on the NBME Pediatric Subject exam, and she/he performs at an HONORS level clinically, strong performance on the CLIPP quizzes (average weekly score 90% or higher) would help a student earn an HONORS grade.

This weekly meeting is also the time to discuss with your clerkship director any concerns that you may have about how the rotation is going. He/she is your advocate, and will be most willing to help you if you let her/him know there is a problem. Please don't wait until the end of the rotation to voice concerns about how the rotation is going for you. You will have a mid-rotation feedback session in which your clerkship performance to that time will be discussed.

Competencies-Objectives-Assessment

The course objectives are designed to achieve the clinical competencies and objectives of the Florida State University College of Medicine as applied to pediatrics, as well as to incorporate the educational objectives of a third year-clinical clerkship in pediatrics as defined by the Committee on Medical Student Education in Pediatrics. **There will be six competency areas that will be implemented and specifically evaluated in the pediatric clerkship**

I. Communication Skills

- A. The student demonstrates proficiency in the dyad interview and interacts effectively with the patient and the caregiver
 1. Assessed by the clerkship faculty and by the Clerkship Director via direct observation of the student during a patient encounter

II. History/Physical Exam

- A. The student will be able to recognize the child who is critically ill, and understand the need for immediate stabilization and hospitalization
 - 1. Assessed via a combination of OSCE cases and CLIPP Case discussions
- B. Complete written H/P on Inpatient and Outpatient Rotations.
 - 1. Assessed, critiqued and discussed with the Clerkship Director
 - 2. Student will receive model templates for reference
- C. Oral Presentation Skills Satisfactorily Demonstrated
 - 1. Inpatient expectations are generally much more detailed than outpatient expectations, and are assessed by clerkship faculty
 - 2. Outpatient expectations with the problem-focused visit, are evaluated by clerkship faculty and the Clerkship Director
- D. Student will demonstrate proficiency in the examination of children of all ages, from newborn through the adolescent-aged patient
 - 1. These skills will be evaluated by the clerkship faculty

III. Growth and Development

- A. Student will interpret growth parameters to include height, weight, head circumference, and BMI.
 - 1. The student will recognize growth patterns consistent with failure to thrive (FTT).
 - 2. If paper growth charts are available, the student will accurately plot the measurements on the appropriate growth chart.
 - 3. This skill will be evaluated by clerkship faculty and the Clerkship Director
- B. Student will successfully complete the CLIPP Case that addresses growth and development
 - 1. The Clerkship Director will evaluate by the use of the CLIPP Quiz, as well as case discussion

IV. Anticipatory Guidance

- A. The student knows which specific topics are important to discuss at the various ages, but not the details of all of the specifics at the third-year level. These general topics should include nutritional, immunization, breast-feeding, and safety advice. The student must demonstrate the ability to utilize the HEADDSS instrument when giving anticipatory guidance to the adolescent patient
 - 1. The assessment of these competencies would be shared between the clerkship faculty and the Clerkship Director

V. Assessment and Plan

- A. Accurately calculate pediatric drug dosages. (The use of an electronic drug resource such as Harriet Lane should be encouraged, but the student should demonstrate the ability to calculate drug dosages according to the child's weight without using a PDA reference)
 - 1. The clinical faculty will be primarily responsible for this evaluation, but the Clerkship Director may include this evaluation of the student as well
- B. The student will accurately write 3-5 prescriptions (These can be "pretend" prescriptions for practice).
 - I. this activity may best be taught in the weekly Clerkship Director's Meeting, but certainly encouraged by teaching faculty as well

VI. Procedures

- A. Working with the nursing staff, the student will observe or administer at least 1 immunization to a child
- B. Working with the nursing staff, the student will perform a complete "check-in" of the child, including vital signs

Learning Objectives

The student will:

- I. Demonstrate appropriate core knowledge of the Pediatric Patient**
 - A. Describe the signs and symptoms of the common acute pediatric illnesses (as based on the COMSEP curriculum)
 - B. Describe the signs and symptoms of the common chronic pediatric illnesses (based on the COMSEP curriculum)
 - C. Be able to RECOGNIZE THE CRITICALLY ILL CHILD

- II. Participate in Pediatric Inpatient Care**
 - A. Obtain and present the historical and PE findings necessary to assess the hydration status of a child
 - B. Calculate and write orders for "rescue" bolus IV fluids
 - C. Calculate and write orders for IV maintenance fluids
 - D. Calculate drug dosages for a child based on body weight
 - E. Discuss the "ABC" assessment of a critically ill or injured child
 - F. Demonstrate knowledge of how to use ORS for mild to moderate dehydration
 - G. Interpret laboratory and imaging studies
 - H. Observe the delivering of "bad news"
 - I. Recognize the readiness for newborn discharge

- J. Participate in negotiating a discharge plan with a family

III. Demonstrate an ability to provide age-appropriate anticipatory guidance

- A. Identifying when a child is ill (teaching the parent to do this)
- B. Injury prevention, including infant safe-sleep position
- C. Nutrition
- D. Growth and Development
- E. Immunizations
- F. Poisoning hazards
- G. Choking hazards
- H. Water safety and prevention of drowning

IV. Advise mothers regarding Breast-feeding issues

- A. Describe advantages of breast-feeding
- B. Recognize common difficulties experienced by breastfeeding mothers
- C. Advise how to approach the jaundiced newborn who is being breast-fed
- D. Experience working with allied health professionals who teach breast-feeding (lactation consultants, OB nurses, nursery nurses, etc)

V. Demonstrate the ability to assess Growth and Development

- A. Accurately measure and plot OFC, height, and weight on age-appropriate standardized growth charts
- B. Recognize normal and abnormal growth patterns, particularly FTT
- C. Calculate the BMI and use this in the assessment for obesity
- D. Demonstrate an ability to assess the following using appropriate resources:
 - 1. Psychosocial development
 - 2. Language development
 - 3. Motor development
 - 4. Physical maturation, including signs of puberty (Demonstrate knowledge of the Tanner Scale)
- E. Demonstrate an understanding of gestational age as it relates to growth and development

VI. Perform accurate and comprehensive physical examinations:

- A. Perform a complete newborn physical examination, to include the Ortolani and Barlow hip maneuvers, as well as assessing for the red reflex
- B. Observe a gestational age assessment using the Ballard scale
- C. Perform complete physical examinations of the infant, including hip examinations

- D. Perform complete physical examinations on toddlers
- E. Perform complete physical examinations of the school-age child, including sports-assessment physical exams
- F. Perform at least 1 physical exam on an adolescent patient that demonstrates respect for privacy and modesty, and employs a chaperone when appropriate
- G. Learn techniques for examining the infant and toddler while on mother's lap
- H. Look for signs of physical or sexual abuse as part of all physical examinations; Summarize the physical findings expected in the "shaken-baby" syndrome, and describe the responsibilities for reporting suspected events

VII. Successfully conduct "dyad" interviews:

- A. Student must include age-appropriate questions to the child as well as the questions to the parent or caretaker
- B. Conduct a full adolescent interview using the HEADSS method to ask sensitive questions:
 - 1. The student successfully separates the patient from the parent for the HEADSS interview
 - 2. The student remembers to address the issue of confidentiality with the adolescent
 - 3. The student addresses the life style-choices of the adolescent (potential high-risk behaviors), including alcohol use, tobacco use, recreational drug use, and sexual behaviors. If the adolescent is engaged in high-risk behaviors, the medical student responds in a non-judgmental manner
 - 4. The medical student will specifically ask the adolescent about any suicidal thoughts

VIII. Demonstrate professionalism in relating to children, families, faculty, and staff

- A. Self-analyze to become aware of personal biases or prejudices
- B. Respect cultural differences observed in varying patient populations
- C. Observe rules of privacy and confidentiality

Policies

Americans with Disabilities Act

Candidates for the M.D. degree must be able to fully and promptly perform the essential functions in each of the following categories: Observation, Communication, Motor, Intellectual, and Behavioral/Social. However, it is recognized that degrees of ability vary widely between individuals. Individuals are encouraged to discuss their disabilities with the College of Medicine's Director of Student Counseling Services and the FSU Student Disability Resource Center to determine whether they might be eligible to receive accommodations needed in order to train and function effectively as a physician. The Florida State University College of Medicine is committed to enabling its students by any reasonable means or accommodations to complete the course of study leading to the medical degree.

[The Office of Student Counseling Services](#)

Medical Science Research Building G146

Phone: (850) 645-8256

Fax: (850) 645-9452

This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

Student Disability Resource Center

97 Woodward Avenue, South

Florida State University

Tallahassee, FL 32306-4167

Voice: (850) 644-9566

TDD: (850) 644-8504

sdrc@admin.fsu.edu

<http://www.fsu.edu/~staffair/dean/StudentDisability>

Academic Honor Code

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. (Florida State University [Academic Honor Policy](#))

Attendance Policy

The College of Medicine has detailed attendance policies as they relate to each cohort and events that conflict with course schedules **See** [FSUCOM Student Handbook](#) for details of attendance policy, notice of absences and remediation.

Library Policy

The [COM Maguire Medical Library](#) is primarily a digital library that is available 24/7 through secure Internet access. Library resources that support this course are available under “Course Pages” on the library website. In addition, many of the point-of-care resources are available for full download to mobile data devices. Upon student request, items not found in the library collection may be borrowed through interlibrary loan.

Required Resources

Each student will be utilizing the CLIPP curriculum which is a national curriculum sponsored by the Committee on Medical Student Education in Pediatrics (COMSEP). CLIPP stands for **Computer Learning In Pediatric Programs**. **Each student must register individually by going to www.med-u.org to receive a password.** This password will allow you access to the pediatric cases. There have been a total of 31 cases developed, and these cases have been chosen to represent the curriculum that most medical schools feel ought to be taught in a third-year pediatric clerkship. The cases vary in length, but most will require between 1-1/2 to 2 hours to complete conscientiously. You will be assigned six of these cases per week, so that the final week of your clerkship can be reserved for review time to study for the Shelf exam. There will be weekly quizzes over the CLIPP cases. The AAP series of breastfeeding slides is also a required resource. The slides are accessed through the following link:

http://www2.aap.org/breastfeeding/curriculum/references_resources.html

Suggested Resources

Helpful Pediatric Informatics & Other Resources

FSU College of Medicine Library

- **U-Central:** has [Harriet Lane Handbook](#), which is the book that all pediatric residents have carried around in their lab jackets & your attendings still use almost daily. It is their go-to resource for a quick review of topics. You are to use this drug formulary in pediatrics *in lieu* of Epocrates (many errors found in pediatric prescribing information) ; also 5 Minute Clinical Consult has about 200 pediatric topics.

- **Pediatric Care On-Line:** all about pediatrics. Extensive resource. Best to use the Mobile Formatted Website Full Content, as you will have much greater access to the information, including the “Red Book”- a pediatric infectious disease publication. (see attached instructions)
- **Pepid:** CRC Platinum Suite- in addition to having both pediatric medical & drug information you have access to all of the well child visit information that you will need in the office.
 - **Under Clinical Rotations:** Go to “Pediatrics”; then “Medical”; then “Evaluation/Guidance”; then down to “Well Child Exam”
- **Dynamed:** vast amount of pediatric topics; evidence based
- **Essentials Evidence Plus**

Sample Pediatric Shelf Exam – Self Assessment

There is a sample NBME pediatrics exam that you can take & self-assess. I believe the cost is \$20 for the service. It is part of the "Clinical Science Mastery Series." This exam contains actual retired questions from prior shelf exams. <https://nsas.nbme.org/home> You will obviously have to create a new account. I cannot emphasize enough that you have to do a lot of studying on topics outside of those included in your minimal requirements for pediatrics. Unfortunately, the NBME shelf exam has a lot of esoteric "stuff" on it.

Outline of Newborn exam in detail (no video)

<http://www.adhb.govt.nz/newborn/Education/Teaching/5thYearsNewbornExam.htm#Auscultation>

Physical Examination Skills

http://www.lumen.luc.edu/lumen/MedEd/MEDICINE/PULMONAR/pdself/menu_f.htm

This website contains videos on all the organ systems for adults & newborn pediatric physical exam; on giving oral presentations. Self-examination on auscultation skills with audio clips of breath sounds, heart sounds, etc.etc,etc!

- **Videos:** http://www.lumen.luc.edu/lumen/MedEd/MEDICINE/PULMONAR/pdself/menu_f.htm
Click List of Videos on left hand pane. Scroll down to “Neonatal Exam; Dr Thomas DeStefani” (there are Mac & Windows version of the videos.)
- Also note that that there are multiple videos for other physical exam screenings that might be useful in your other clerkships. Especially well done is auscultation of the lungs
<http://www.lumen.luc.edu/lumen/MedEd/MEDICINE/PULMONAR/IMAGES/CD-LungSounds/mac/cugell-07july11.swf> Click on “Sound Index” in lower right hand of screen

Otitis Media Videos of the tympanic membrane & pathologies

<http://www.aap.org/en-us/about-the-aap/Committees-Councils-Sections/Section-on-infectious-diseases/Pages/VideoHighlights.aspx>

Great Website x medical student education topics (especially peds fluid & electrolytes)

<http://videos.undergroundmed.net>

Heart Auscultation

<http://depts.washington.edu/physdx/heart/demo.html>

Congenital Heart Disease

Fabulous and animated www.pted.org

Radiology

Here is an excellent pediatric radiology resource from the University of Hawaii School of Medicine.

<http://www.hawaii.edu/medicine/pediatrics/pemxray/pemxray.html>

Pediatric Neurodevelopmental Exam

Great set of videos on how to do a pediatric neurodevelopmental exam at different ages:

http://library.med.utah.edu/pedineurologicexam/html/home_exam.html

Pediatric Rare Diseases/Syndromes/Genetic Disorders

You have to sign up & you can receive 2 full reports per 24 hour period

<http://www.rarediseases.org/rare-disease-information/rare-diseases>

Genetics Home Reference

<http://ghr.nlm.nih.gov>

Grading

The standardized clerkship [policy](#) can be found on the [Office of Medical Education website](#).

Your clerkship grade will be based on your performance in the physician's office and on the inpatient rotation, your knowledge base when discussing cases with your clerkship faculty, your interactions with the physician's office staff and nursing staff, your interactions with the patients and their families, and for students in Orlando and Pensacola, your interactions with the Pediatric Resident team. You will be evaluated by your primary outpatient and inpatient clerkship faculty member and by the Clerkship Director at your site.

In addition, you will take the NBME clinical subject exam in pediatrics at the end of the rotation. You will also have weekly quizzes based upon the CLIPP Cases. Your performance on these quizzes may help you if you are on the borderline between receiving a grade of HONORS versus PASS because of not scoring quite high enough on the NBME clinical subject exam. If your average score on these weekly tests is 90% or higher, your grade may be elevated to an HONORS.

At the end of the rotation, you will be asked by your Clerkship Director to evaluate your experience on the clerkship, and this feedback is very important in helping to improve the rotation. There are no grade quotas. It is possible for everyone to earn Honors, but this is unlikely. Your final grade is assigned by the Education Director for Pediatrics, and is based on all of the above mentioned data.