



Ohio University
College of Osteopathic Medicine
Centers for Osteopathic Research and Education
Years III and IV Clerkship Curriculum



CORE Clinical Rotation: *Pediatrics*

Course Title:	OCOM 863 Pediatrics
Instructor of Record:	Peter B. Dane, D.O.
Credit Hour:	12 Credit Hours
Rotation Length:	4 weeks
Prerequisites:	Successful completion of the 6-week Family Medicine Clerkship

Syllabus Components

1. Rotation Description, Purpose and Philosophy
2. Rotation Objectives
3. Orientation to Rotation
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Appendix A: Skills and Procedures Log for this rotation

Last update: 09/27/2006

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1. Rotation Description, Purpose, and Philosophy

The purpose of this rotation is to provide the student with an overview of the clinical specialty of Pediatrics. This rotation is not intended to transform the student into a pediatrician, but rather it is to provide the clinical clerk a survey of the specialty. In this combined hospital and ambulatory rotation, the student is encouraged to apply concepts of diagnosis and management to infants and children. In addition, the student will gain knowledge about normal growth and development of the pediatric patient.

2. Rotation Objectives

A set of learning objectives is provided below. The objectives are intended to guide for the student's learning activities and to serve as a baseline for assessment of the student's knowledge, skills, and professional behavior. Not all of the objectives listed below will be encountered during any single rotation. While each student is expected to further expand his/her knowledge base and to care for all assigned patient cases, he/she is also expected to avail him/herself of the educational materials provided and to master the following objectives.

Rotation Objectives: Knowledge Domain

A statewide survey of CORE preceptors identified the following as the most common diseases/conditions found on the Pediatrics Rotation at the CORE hospitals. The post-rotation exam may include questions on any of the topics listed.

1. Growth and development
2. Asthma and cystic fibrosis
3. Febrile child
4. Otitis media
5. Newborn jaundice
6. Diarrhea/Gastrointestinal disturbances
7. Upper respiratory tract infections/Bronchitis/Pharyngitis
8. Common rashes
9. Well child care/immunizations
10. Child abuse
11. Meningitis
12. Congenital Anomalies

For each disease or condition listed above, the student should be able to describe/assess the following:

1. Presenting signs and symptoms
2. Physical findings
3. Basic interpretations of appropriate diagnostic studies

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4. Major differential diagnoses
5. Management alternatives, including: treatment plans, patient education, and addressing modifiable risk factors
6. Possible complications
7. Prognosis
8. Follow-up care
9. Somatic dysfunction related to the disease/condition and the osteopathic treatment(s) for the somatic dysfunction

NOTE:

Students are expected to interact with and provide appropriate care for all patients they encounter on a rotation regardless of whether or not the patient's condition is listed above. However, for purposes of the post-rotation exam, students will be responsible only for the diseases and conditions listed above. Students are expected to master the objectives related to the listed disease/conditions regardless of whether or not they encounter any patients with those diseases/conditions while on rotation.

Rotation Objectives: Clinical Skills Domain

During the Pediatrics Rotation, students are expected to develop their competencies in many basic clinical skills. While not every skill listed below can be performed during this brief rotation, the student should avail him/herself of as many of the following procedures as possible, and to seek out opportunities to perform these skills in other rotations as well.

1. Perform an evaluation of the neonate
2. Know how to:
 - Resuscitate the newborn
 - Intubate and suction the newborn
 - Use the incubator and isolette
 - Start IV's
 - Take blood specimens in the newborn and child
 - Take throat cultures
3. Perform endotracheal intubation
4. Perform respiratory resuscitation
5. Perform lumbar puncture
6. Perform Apgar scores
7. Perform ear lavage
8. Give injections: (intradermal, subcutaneous, intramuscular, intravenous)
9. Removal of foreign body from eye, ear, nose or throat

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3. Orientation to the Rotation

The rotation orientation provides an opportunity to answer questions and define roles, assess skill level and experience, set expectations, and anticipate and proactively resolve problems. The student should try to meet with the preceptor either prior to or early on the first day of the rotation. Clarifying the following details with the preceptor will help to ensure a rewarding and successful rotation:

- a. Student responsibilities on the service.
- b. Preceptor expectations of the student on the service.
- c. Goals, objectives, and the structure of the rotation.
- d. Required rotation assignments and responsibilities in the preceptor's practice (e.g. clinics, lectures, conferences, other didactics, journal clubs, rounds, office hours, morning report).

The student should ask for feedback several times during the rotation, especially at mid-rotation. In addition, he/she should be prepared to share past clinical experiences and personal objectives for this rotation with the preceptor.

4. Required Learning Activities, Assignments, and Responsibilities for *ALL OU-COM STUDENTS* in order to earn credit for this rotation

The following activities are required for satisfactory completion of this rotation:

- a. Set up a time with the CORE staff to complete the on-line post-rotation exam. This must be done during the last few days of the rotation or up to 1 week following the completion of the rotation, at the discretion of the CORE staff.
- b. Attend and participate in all CORE education day presentations.

NOTE: If the student is absent from any of the CORE education day presentation without prior approval, he/she will be required to complete a remediation activity. Remediation may consist of a 5-page paper for each missed lecture, or some other assignments at the discretion of the CORE Assistant Dean. These must be completed and accepted by the CORE Assistant Dean in order to receive a grade for the rotation to which you are assigned at the time of the absence.

- c. Attend and participate in any other workshops, seminars, or professional development activities assigned by the CORE Assistant Dean.
- d. Present all clinical case conferences, as assigned by the CORE Assistant Dean.
- e. Ensure that your preceptors' written evaluation is completed and submitted within 2 weeks of the end of the rotation.

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- f. Submit the online Student Evaluation through New Innovations. If you need instructions, please ask your CORE staff.
- g. Submit Procedures Log through New Innovations.
- h. Submit a copy signed by your preceptor of the log summary (from New Innovations) at the end of this rotation.
- i. Fulfill all required responsibilities identified by the preceptor during orientation.

5. Student Performance Evaluation

A student's grade for the Women's Health Rotation will be based on the following criteria. The student must pass both parts in order to pass the rotation.

a. The Post-Rotation Exam

An online, computer-based post-rotation exam will cover the diseases and conditions listed in the objectives section of this syllabus. The computer will instantly grade the test and provide information to the student. If a student fails the exam, receives below 60%, s/he has one opportunity to retake the exam. In the event of a second failure, a remediation plan will be developed between the student and the CORE assistant dean.

b. The Preceptor's Written Evaluation

A student must receive a passing grade from the preceptor in order to pass the rotation. If the preceptor considers the student *Marginal*, then a remediation recommendation should be made by the CORE Assistant Dean, in consultation with the preceptor, and submitted to the Associate Dean for approval. If the preceptor fails the student, the student is awarded a grade of "F" for the rotation regardless of the grade s/he received on the post-rotation exam. The failure must be forwarded to the CSP.

NOTE: It is the responsibility of the student to ensure that the preceptor's evaluation is submitted to the CORE office within 2 weeks of the end of the rotation.

6. Recommended Resources

The following resources have been identified for this rotation by the instructor of record. Note: Post-rotation exam questions are referenced to the required texts.

Required:

Hay, W., Levin, M., Sondheimer, R & Deterding R. (2005), *Current pediatric diagnosis and treatment*, (17th ed.) New York:: McGraw-Hill.

Reference for additional information:

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Behrman, R., Kliegman R., & Jenson H. (2004). *Nelson textbook of pediatrics*. (17th ed.) Philadelphia.: Saunders * (**Available on MD consult**)

Robertson, J. (2005) *The Harriet Lane handbook: A manual for pediatric house officers* (17th ed.). Philadelphia.: Elsevier Mosby.

7. Standards of Professional Conduct

The OU-COM Honor Code applies to all activities in the CORE as well as on the Athens campus.

Students are encouraged to study together and to share their knowledge freely with one another during the learning process. During examinations, however, no assistance from other students or from outside sources is allowed, unless explicitly permitted by the CORE office. Books, notes, and other materials must be left at the periphery of the testing area during examinations.

Professional standards required of a member of the Osteopathic profession are a requirement for passing this rotation, as is compliance with the professional standards of the hospital and outpatient offices of the student's preceptor. Students are expected to maintain high professional standards of behaviors. They should exhibit such personal characteristics as honesty and integrity, as well as to maintain patient confidentiality at all times. Violation may result in a failing grade in this rotation, regardless of other academic performance on this rotation, and could subject the student to dismissal from the hospital in which they are based. Such professional conduct shall be evaluated by the CORE Assistant Dean through observation of and interaction with the student, his/her preceptor, other hospital attendings and staff.

8. Tips for Successfully Completing the Rotation

Being successful on this rotation requires you to be a proactive student. Taking an interest in the specialty and becoming an active team member of the service is critical to learning in a clinical setting. Remember, the clinical learning environment differs from the classroom. You will be "thinking on your feet" and "learning as you go." To capitalize on "the learning moment," seek out opportunities to ask questions and speak up appropriately.

In addition, be sure to:

1. Review the syllabus to ensure that you understand all requirements.
2. Discuss with your preceptor your previous clinical experiences and personal goals and objectives for this rotation. The rotation orientation is an opportune time to initiate this discussion and to develop positive rapport with you preceptor.
3. Clarify your preceptor's expectations of your activities.

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4. Complete your skills and procedure log as you proceed through the rotation; avoid procrastinating until the end.
5. Come prepared to take advantage of the opportunities this rotation has to offer.

If you have any questions, contact your CORE Administrator or CORE Assistant Dean.

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Skills and Procedures List

Appendix A

During the Pediatrics rotation you must complete your procedures log on New Innovations. At the end of your clerkship, you must print out your procedure log, ask your preceptor to sign it, and turn it into the CORE office.

ABG interpretation	Injection, subcutaneous
Administration of blood and blood products	Insertion of peripheral IV
Airway management/intubation	Laceration/wound stapling
Apgar score	Laceration/wound suturing
Bladder catheter insertion (Foley)	Lumbar puncture
Breast examination	Nasal packing
Cast application	Newborn evaluation
Cast removal	Newborn resuscitation
Circumcision	NG tube placement
Comprehensive Hx (new admit/new patient)	OMT
Comprehensive PE (new admit/new patient)	Osteopathic Exam
CPR	Pap smear
Culture, blood	Patient education
Culture, sputum	Pelvic examination
Culture, stool	PFT interpretation
Culture, throat	PPD interpretation
Culture, urine	Prescription writing
Culture, vagina	Splint application
Culture, wound	Splint removal
Direct ophthalmoscopic exam	Steri-strip application
Ear lavage	Suture removal
Ear, Cerumen removal	Taping procedure for sprains etc.
EKG	Tonometry
EKG interpretation	Tympanometry
Excision, skin lesion	urinalysis (dipstick and microscopic)
Foreign body removal ear	Venipuncture (for blood sampling)
Foreign body removal eye	Visual acuity/visual field testing
Foreign body removal nose	Wart Removal
Foreign body removal skin	
Foreign body removal throat	
Fracture reduction	
Glucose by fingerstick	
Hemocult	
Imaging CT	
Imaging MRI	
Imaging x-ray	
Immunizations	
Incision and drainage of abscess	
Incision closure	
Injection, Intradermal	
Injection, intramuscular	
Injection, intravenous	
Injection, joint	