**Clerkship Learning Objectives: Pediatrics**

**Competency 1: History and Physical Examinations**
The student will complete history and physical examinations on patients in across all pediatric age groups including newborns, infants, toddlers, children, and adolescents.

Details, you must:
1. accurately measure height, weight, and head circumference and plot the data on an appropriate chart.
2. provide routine post delivery newborn care and recognize unique features of a newborn exam.
3. obtain a routine diet history on an infant that includes: the type of feeding (breast vs. formula) with amount and frequency, types and approximate amounts of solids, and diet supplements given.
4. provide anticipatory guidance and prevention regarding home safety.
5. gather health supervision data on immunizations, sexuality, and/or substance abuse.
6. perform appropriate developmental screening – Denver screening.
7. elicit age appropriate behavioral concerns during the health supervision visit (such as toilet training, eating problems; enuresis, attention deficit disorder, conduct disorders, and risk taking behaviors).

**Competency 2: Data Presentation**
The student will effectively and professionally communicate information about the patient, history & physical, diagnosis and treatment plan to other caregivers and to the patient/family.

Details, you must:
1. write a complete history, physical examination, problem list, differential, and a treatment plan with a rationale.
2. orally present a patient's history, physical examination, problem list, differential, and a treatment plan with a logical rationale.
3. communicate the essential elements of the diagnosis and treatment plan to the patient and family.

**Competency 3**
Recognizing common pediatric conditions and formulate differential diagnoses and management plans.

Details:
**A. The student will recognize and outline an initial evaluation of a children with common clinical problems**

1. In the newborn, you will recognize predisposing factors to newborn jaundice.
2. In the newborn, you will recognize the signs and symptoms of sepsis in a newborn.
3. In the newborn, you will recognize the presentation of congenital heart disease in a newborn.
4. In the newborn, you will recognize the predisposing factors and the signs and symptoms of Respiratory Distress Syndrome.
5. In the newborn, you will recognize the predisposing factors and treatment of hypoglycemia.
7. In the older child, you will recognize abnormalities on a growth chart which warrant future evaluation.
8. You will calculate dietary intake.
9. You will develop a brief differential diagnosis and initial evaluation of failure to thrive.
10. You will interpret the results of commonly ordered laboratory tests such as: CBC, urinalysis, serum electrolytes, BUN/Cr, thyroid functions, and a CXR.

B. The student will evaluate and initiate treatment for children with dehydration.
Details, you must:
1. recognize the signs and symptoms of dehydration
2. understand fluid replacement and maintenance requirements for pediatric patients (Oral and IV).
3. interpret the results of commonly ordered laboratory tests including: urinalysis, serum electrolytes and BUN/Cr).

C. The student will recognize the condition and develop a reasonable differential diagnosis, diagnostic approach, and treatment plan for the common pediatric clinical as they present in the course of the clerkship. Special emphasis will be place on the following conditions (asthma and pneumonia).
Details, you must:
1. recognize the signs and symptoms of clinical problems.
2. interpret the results of commonly ordered laboratory tests and radiographs.
3. calculate drug doses for children.
4. write a prescription if required or treatment plan to treat a patient with the common conditions.
5. The student will recognize the impact chronic illness (i.e.: Asthma, Diabetes, common genetic disorders, etc.) has on the patient and the family.

D. The student will be able to evaluate a patient for child abuse (physical and sexual) and recognize the ethical and legal obligations placed upon the physician. Details, you must:
1. recognize the risk factors for domestic violence and child abuse.
2. ask the types of questions to assess a child for non-accidental injuries and child abuse.
3. recognize the physical exam findings of physical abuse (including the shaken baby syndrome), sexual abuse, and/or neglect.
4. summarize the ethical responsibilities to identify and report child abuse and the obligations placed on reporters by the community or state.
Competency 4: Professionalism

The student will demonstrate intellectual curiosity, initiative, responsibility, and reliability in patient care and self-directed learning.

Details, you must:
1. Demonstrate a strong work ethic and desire to learn about patient problems.
2. Complete literature searches.

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HMS PCE Policies and Resources:

PCE Log Requirement: Students are required to record their encounter with each log topic once, inclusive of the highest level of patient interaction displayed in that encounter during the rotation. Individual clerkship directors may choose to use the PCE Log for additional purposes, so long as students meet the minimum requirement of recording the highest level of encounter with each one of the specified topics.

HMS Policy on Mistreatment: Harvard Medical School and its affiliated hospitals are committed to a culture of mutual respect and trust and to providing an environment free from discrimination, sexual harassment, unprofessional relationships, and abuses of authority. We take student mistreatment seriously and aspire to a culture of zero tolerance for instances of abuse, mistreatment, and disrespect. All faculty, students, house officers, fellows, and staff are expected to contribute to sustaining an environment of collegiality and mutual support that is conducive to learning and working. Students experiencing mistreatment personally or witnessing such behavior in others are expected to report such incidents in clerkship surveys and/or through a confidential online form accessible through the HMS Student Service site.

HMS Ombuds Office: As an impartial complaint handler, the Ombudsperson strives to see that people are treated fairly and equitably at Harvard Medical School, Harvard School of Dental medicine and Harvard School of Public Health. The Ombudsperson is a designated neutral and, as such, does not advocate for any individual or point of view. The office is independent of any existing administrative or academic structures and is responsible only to the dean of each school. The office supplements the existing resources available to members of our communities. For more information go to http://www.hms.harvard.edu/ombuds/.