Course Department, Number & Title: PED 814, Pediatric Adolescent Medicine

Course credit or length: 2 Weeks. This elective is available to only one student at a time. Student must contact Dr. Kelly (text 304-633-8373) at least two weeks prior to elective for scheduling and reporting information.

Course directors and contact information: Dr. Patricia Kelly, 304.691.1371, kellyp@marshall.edu

Course coordinator and contact information: Ashley O'Neill, 304.691.1371, oneill15@marshall.edu

Course Schedule: The student’s schedule will be arranged on an individual basis with the course director. Dates and times of other obligations anticipated by the student to affect attendance during the rotation period should be submitted to the course director or coordinator at least 2 weeks prior to the start of the elective. This elective does not require night call. Options of nontraditional hours and/or weekend days for special events/activities will be discussed with the student before inclusion in the schedule. The student will be expected to attend Pediatric Grand Rounds and other identified lectures.

Course location:
- School-based clinics (e.g. Cabell Midland High School on route 60 in Ona; Huntington High School off route 10 in Huntington);
- General/specialty clinics in the Department of Pediatrics at Marshall Health (e.g. Dermatology, Genetics, Myelodysplasia/Urology);
- Teen parenting group (e.g. Lincoln County High School);
- Cammack Children’s Center (adolescent group home in West End of Huntington);
- Regional and local adolescent workshops, advocacy sessions, advisory boards, teen groups and special events.

Course Overview: This elective is designed to introduce the student to the adolescent health care with an emphasis on “Getting into the Heads of access to core curriculum resources. Resources for the core curriculum including readings, website resources, online modules, webinars, and question/critiques will be provided or identified. The attending/preceptor will facilitate a case based learning approach that may include pediatric residents, nurse practitioners, school nurses, counselors, teachers, and social workers.

Core Student Curriculum Outline:
- Comprehensive Health Care Visit
- Preparticipation Sports Visit
- “Getting into the Heads of Adolescents”- Interviewing and counseling approaches and strategies (e.g. HEADESS, CRAFFT, PDQ9modified, GAPS, mindfulness, progressive muscle relaxation)
- Attitudes, beliefs and values (past experiences) – Reflection on how these frame adolescent health care.
- Concepts of consent, permission, assent, confidentiality, and parental engagement

Specific Health Care Topics:
- Puberty
- Common dermatological conditions
- Contraception
- Male reproductive system examination/issues
- School Health Care
- Care of Incarcerated/Institutionalized Teens

Rotation Specific Student Expectations:
- Identify strategies to improve adolescent interview and counseling
• Identify on line patient and clinical resources
• Detailed adolescent case presentation:
  o May choose an ambulatory, hospital or group home patient
  o Incorporate 3 self selected and researched learning issues/questions
  o Cite information sources
  o Discussion facilitated by attending with the identification of additional learning questions
  o Other members of care team may participate
• Choose for review and discussion a relevant topic that may incorporate films, media, music, art, internet, young adult literature, memoirs
• Participation in an advocacy or community based adolescent activity

Additional Responsibilities of Student:
The student will be responsible for the evaluation and management of adolescent patients in the school-based clinics under faculty supervision. This elective does not require night call.

PEDIATRIC ADOLESCENT MEDICINE

Institutional Objective
Patient Care - Students must demonstrate the ability to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.

Course Objective
The student will be introduced to adolescent health care and gain experience in the interviewing and counseling of adolescent patients.

Outcome Measure
The student will orally present at least four adolescent cases to a designated Attending. The patient cases must be one in which the student was directly involved. During this presentation, the student must demonstrate the basic ability to formulate a differential diagnosis as well as develop an investigatory plan, and the formation of an appropriate treatment plan. At least two of the examinations must be on male adolescents and two on females. The student shall also be able to offer counsel to the adolescent patients if appropriate.

Course Objective
The student will demonstrate the ability to become familiar with preventative health care issues of younger, middle and older adolescents.

Outcome Measure
The student will orally discuss with faculty the following areas of preventative health care issues for adolescents:
1. Promoting adjustment to puberty and adolescence
2. Promoting safety and injury prevention
3. Promoting physical fitness
4. Promoting health dietary habits and preventing eating disorders and obesity
5. Promoting health psychosexual adjustment and preventing the negative health consequences of sexual behaviors
6. Preventing hypertension
7. Preventing hyperlipidemia
8. Preventing the use of tobacco products, use and abuse of alcohol and other drugs
9. Preventing severe or recurrent depression and suicide
10. Preventing physical, sexual, and emotion abuse
11. Preventing learning problems
Institutional Objective
**Medical Knowledge**- Students must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care.

**Basic Science Course Objective**
Students must demonstrate basic knowledge in adolescent medicine and normal adolescent growth and development and recognition of normal and abnormal variants.

**Basic Science Outcome Measure**
The Attending will assess the students’ abilities and demonstration of knowledge during the course.

Institutional Objective
**Interpersonal and Communication Skills**- Students must demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals.

**Course Objective**
The student will be able to communicate information effectively with members of the health team, including other physicians, nurses, physician and medical assistants, school personnel and social workers.

**Outcome Measure**
The student will be able to demonstrate to faculty:
- The ability to communicate effectively with others
- The ability to perform concise oral case presentations
- The ability to work as a team member and leader

Institutional Objective
**Professionalism**- Students must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles.

**Course Objective**
The student will behave in an ethical, responsible, reliable and dependable manner and be able to accept constructive feedback to improve performance. The student must demonstrate professionalism in interacting with other medical students and health care providers.

**Outcome Measure**
The student will be directly observed and assessed as part of the final grade by faculty to determine ethical behavior, reliability and level of dependability of the student and the student’s ability to accept criticisms or suggestions. The student will also be evaluated by faculty on:
- Professional behavior toward colleagues
- Exhibition of integrity and honesty
- Acceptance of responsibility one’s own actions and decorum
- Sensitivity to gaps in knowledge exhibited by colleagues
- Ability to work effectively as a team member

Institutional Objective
**Systems-based Practice** - Students will be able to recognize and better understand the role of other health care professionals in the overall care of the patient.

**Course Objective**
The student will practice interacting with the health team, including other physicians, nurses, physician and medical assistants, school personnel and social workers to better understand the role of ancillary staff that is critical to the care of pediatric patients.
**Outcome Measure**

The student will orally demonstrate to faculty the ability to:

- Understand the concept of interdisciplinary teams to improve patient care
- Understand the multidisciplinary resources necessary to care optimally for patients
- Understand the need to collaborate with other members of the health care team to assure comprehensive patient care
- Understand the use of evidence-based, cost-conscious strategies in the care of patients

**Self-Directed Learning**

As a medical student, you are encouraged to use any unstructured time to read about your patients, research questions that arise during the day, prepare for case conferences, and prepare for student-faculty rounds. Preceptors have been specifically asked to look for evidence that you have read articles and books between clinic sessions. Use this time to build your knowledge of medicine and learn from your patients.

**ASSESSMENT METHODS**

**Preceptor Evaluation- 100%**

The preceptors’ evaluation will be based, but not limited to, upon the following factors:

- Attendance and participation in assigned activities
- Demonstration of knowledge and skills
- Maturity and Professionalism
- Oral Case presentation/patient workup
- Informal oral case discussions and presentations
- Self-directed learning

**Grade Mode: Pass/Fail**

The student receives direct one-on-one teaching during the examination of the adolescent patient with the attending in the school-based clinics. The student will be asked to choose a relevant subject and prepare a poster/presentation by the end of the elective. Reading assignments will be given to the student. Case discussions and article reviews with the student will be conducted on a daily basis. The student is directly observed by the attending and assessed on clinical knowledge, professionalism, self-directed learning and attitude to learning, critical thinking, history taking and physical examination skills and decision making skills using the stated course objectives.

Each component mentioned above must be passed in order to successfully complete the course.

**MUJCESOM Policies**: All medical students taking this course will comply with School of Medicine policies given at [http://musom.marshall.edu/students/policies](http://musom.marshall.edu/students/policies).

**Required Reading**: [www.UpToDate.com](http://www.UpToDate.com) As per assignment by faculty and Chief Residents