

Course:	<u>Diabetes Camp</u>	<u>Ped 1221</u>
Department:		Pediatrics
Course:		Diabetes Camp (12-21)
Faculty Coordinator:		Bryan A. Dickson, M.D.
Hospital:		Camp Sweeney, Gainesville, TX
Periods Offered:		1 and 12 (June and July)
Length:		4 weeks
Max no. of students:		Variable
First Day Contact:		214-456-5952
First Day Time:		9:00 a.m.
First Day Place:		Camp Sweeney, Gainesville, TX (directions to be provided)
Prerequisites:		Successful completion of 3 rd year Pediatrics Clerkship. <u>Students must have prior approval from Faculty Coordinator before signing up.</u> Students participating at Camp during first and second year will have higher priority.

I. Course Objectives

The student rotating will become familiar with management of both Type 1 and Type 2 Diabetes in a camp setting. Students will help manage all aspects of care for up to approximately 240 children with diabetes. This care will include insulin adjustment and administration, insulin pump management, glucose monitoring, and management of acute hypoglycemia. The student will also be involved in diagnosing and managing general pediatric problems including minor trauma, minor respiratory, and gastrointestinal illnesses during daily sick call at the Camp Hospital.

II. Course Goals and Objectives (based on ACGME competencies for resident education and modified for medical student education)

Patient Care

Manage patients under supervision at a level to prepare them for internship. Students must demonstrate compassionate, appropriate and effective patient care in the setting of medical management of diabetic children in a camp environment.

Objectives

Students are expected to 1) follow their own group of diabetic campers and be responsible for these campers at a level commensurate with their training, 2) collect, assemble and interpret relevant history and physical findings, 3) create and maintain complete and accurate medical records of diabetic management in a camp setting, 4) order and evaluate diagnostic studies in the appropriate setting under supervision, 5) manage the diabetes care of campers under direct supervision, and 6) communicate with the referring physicians and family members in a timely manner.

Medical Knowledge

Become familiar with all aspects of outpatient diabetes care, basic general ambulatory pediatric diagnoses and physical exam skills, which promote the development of clinical problem-solving skills.

Objectives: Students are expected to 1) demonstrate knowledge that would allow for independent assessment and appropriate problem solving skills of outpatient pediatric patients, and 2) demonstrate knowledge of the management of outpatients with Diabetes (Type 1 and 2) and general pediatric diseases seen in the outpatient

setting. i.e., otitis media, otitis externa, head lice, viral respiratory and gastrointestinal diseases, asthma, and minor orthopedic injuries.

Practice-Based Learning and Improvement

Students must be able to assimilate scientific evidence to improve their patient care practices.

Objectives: Students are expected to 1) demonstrate proper evidence based decisions, and 2) demonstrate appropriate use of educational resources for self-education, including medical literature and on-line medical information.

Interpersonal and Communication Skills

Students must be able to demonstrate interpersonal and communication skills that result in effective information exchange with healthcare professionals and families.

Objectives: Students are expected to 1) give case presentations in a clear, concise, organized and relevant manner, 2) communicate appropriate information to the family (and patient) concerning management and clinical course, 3) be an integral member of the medical care team and exchange information effectively with other healthcare professionals.

Professionalism

Students must demonstrate attitudes and professional behavior appropriate for clinical practice, which encompass professional responsibilities, adherence to ethical principles and sensitivity to diverse patient populations.

Objectives: Students are expected to demonstrate 1) accurate representation of data, 2) ethically sound decisions, 3) professional appearance, 4) attendance at rounds and conferences on time, 5) respect for patients' confidentiality, 6) mature behavior, and 7) sensitivity to culture, genders and disabilities.

III. Method of Instruction

A) *Didactic* (schedule, faculty)

Teaching will be primarily through clinical experience. The student will be responsible for a specific group of campers and their insulin management. Using a computerized database, the student will review daily glucose monitoring and make insulin dose changes under the supervision of the Attending Physician. The student will round with the Attending Physician on a daily basis to review the diabetic management of those campers. The student will also help prepare lecture on diabetes care for daily medical lecture to campers. Students will receive direct instruction from the Attending Physician on all aspects of diabetes care.

B) *Clinical*

The student will participate in daily sick call and will make an assessment and management plan for campers presenting with minor trauma, illnesses and other problems under the supervision of the Attending Physician. The students will directly participate in diabetes management including insulin administration, insulin pump management, glucose monitoring, and treatment of acute hypoglycemia and hyperglycemia.

C) *Student Responsibilities*

Student will be responsible for a specific group (cabin) of diabetic campers for their insulin management. The student will meet daily with the Attending Physician and discuss the management. Daily progress notes will be entered using the computer database. During daily sick call, the student will present to the Attending Physician and formulate a plan of management. Students will also participate in preparing daily medical lectures to campers and prepare a final examination at the end of camp session.

IV. Method of Evaluation of Students

Students will be evaluated on the achievement of the objectives of the course. The Attending Physician will evaluate the student's performance and submit both a grade and a written evaluation. Similarly, evaluation of the elective by the student will include achievement of the state objectives of the course.