Pediatrics

Chair: Brian M. Pate, M.D.

PDRC 976. General Pediatrics. 4 Hours.
This is a four-week continuation of the basic pediatric clerkship for those students interested in additional pediatric experience. The program is flexible and should be arranged individually with the departmental chair. The experience may be either an inpatient or ambulatory experience or a combination of both. This experience carries with it increased responsibilities for patient care in areas selected by the student and arranged with the pediatric staff. Prerequisite: PDRC 975. CLN.

PDRC 977. Neonatology. 2-4 Hours.
The student will learn overview of neonatal medicine and develop skills and conceptual knowledge of newborns and premature infants. The student will attend X-ray conferences weekly, daily literature review, service rounds twice daily, pediatric grand rounds weekly and neonatal mortality review, as well as care for infants with special emphasis on NICU. Prerequisite: PDRC 975. CLN.

PDRC 978. Ambulatory Pediatrics. 2-4 Hours.
This elective involves increased exposure to community and ambulatory pediatrics utilizing community resources including the pediatrician’s office, the Public Health Department, Wesley Pediatric Clinic, Institute of Logopedics and other community resources. The program is flexible and can be broadly based in several areas or strictly confined to one area such as a continuous experience in the office of a community pediatrician. The program will be individually arranged with the department chairperson and the pediatric staff. The standard Elective Evaluation form will be utilized for the course. Prerequisite: PDRC 975. CLN.

PDRC 979. Medical Genetics. 2-4 Hours.
This elective is designed to give the medical student the opportunity to participate in the genetic evaluation of children with developmental delay, mental retardation, dysmorphic features or autism. By the end of the rotation the student will be familiar with common pediatric genetic syndromes and appropriate genetic testing strategy. The student will also get the opportunity to participate in telemedicine genetics clinics. Prerequisite: PDRC 975 or INMD 975. CLN.

PDRC 980. Pediatric Endocrinology. 2-4 Hours.
During the elective the student will learn diagnosis and management of endocrine problems in children. The student will participate in inpatient management, hospital and office consultation, and in a weekly endocrine clinic. Emphasis will be on the management of diabetes in children. Additional experience may be arranged through the Pediatric Department with other endocrinologists in the community. Prerequisite: PDRC 975. CLN.

PDRC 981. Diabetes. 2-4 Hours.
The student will learn to recognize and manage simple inpatient and outpatient problems related to controlling blood glucose levels in children and adults, discuss the psychosocial adaptation to their chronic illness, and perform as well as educate others in specific procedures involved in self care. The student will see patients with diabetes mellitus in the hospital clinic, attend team meetings, attend counseling staffing, do assigned readings, and report to the faculty. Evaluation of this clerkship will be based on rounds, conferences, lectures and performance on patient workups in hospital and in the clinic. Prerequisite: INMD 975 and PDRC 975. CLN.

PDRC 982. Pediatric Hematology/Oncology. 2-4 Hours.
The student will obtain histories, do physical examinations, write progress notes, conduct in-depth consultations regarding pediatric hematology and oncology problems, and will develop skills in diagnosis and therapy of pediatric oncology patients. The student will demonstrate knowledge of various procedures, such as bone marrow aspiration, administration of chemotherapy, and intrathecal medication. Prerequisite: PDRC 975. CLN.

PDRC 983. Pediatric Critical Care. 4 Hours.
This elective experience has been designed as a one-month rotation in the pediatric intensive care unit at Wesley Medical Center. Care will be provided to critically ill patients from the neonatal period through adolescence. Availability of the elective will be limited to one student per month, with possible exceptions based on the student’s own objectives and educational needs. During this rotation the student will receive exposure to pediatric critical care subjects, and will be expected to convey an understanding of these processes during bedside rounds, in lectures, and during actual patient care. The student will participate in the educational endeavors of the critical care service, including lectures to other students and allied critical care staff such as nurses and respiratory therapists. The student will be expected to give brief presentations on topics which are identified during patient care. The student’s final evaluation will be based primarily on the expression of an increased understanding of and confidence in the management of the diseases encountered in the PICU. Prerequisite: PDRC 975 and approval of instructor. CLN.

PDRC 984. Pediatric Allergy. 2-4 Hours.
Primarily a private office experience under the supervision of the physician, emphasizing an immunologic approach to allergy problems in pediatric patients. Prerequisite: PDRC 975. CLN.

PDRC 985. Pediatric Cardiology. 2-4 Hours.
Extensive clinical experience in children with cardiac disease will be provided. Daily pediatric cardiology ward rounds are conducted by the senior staff. Personal instruction will be given in cardiac physical diagnosis with stress on cardiovascular hemodynamics, evaluation of heart sounds and murmurs, electrocardiograms and cardiac radiology. Significant responsibility in patient management will be delegated to the student who will function as a member of the pediatric cardiology team. Ample opportunity will be available for participation in clinical investigative projects if the student so desires. Prerequisite: PDRC 975. CLN.

PDRC 986. Pediatric Neurology. 2-4 Hours.
The purpose of this elective is to acquaint the student with the wide spectrum of neurological diseases of infancy, childhood, and adolescence. The student will become familiar with the neurological examination of the newborn as well as the assessment of the infant and child. During the elective course the student will become actively involved in the diagnosis and treatment of seizure disorders. He or she will be exposed to routine laboratory procedures such as lumbar puncture, EEG and brain scan, as well as special procedures such as arteriography and pneumoencephalography. The student will be supervised by staff physicians and pediatric residents. Prerequisite: PDRC 975. CLN.

PDRC 987. Developmental Pediatrics. 2-4 Hours.
Students will become familiar with normal developmental patterns and will demonstrate the ability to perform and interpret developmental screening tests. Students will be able to recognize aberrant patterns of development in an individual child and gain understanding of intervention services that are available for children with developmental delays. Students will be involved in the Development Clinic, Neonatal Follow-up Clinic, Heartspring (residential school for multiple handicapped children), and Rainbows United (early intervention provider for children under 5 years of age). These sites will allow the student exposure to a variety of
children, with both normal development and those with behavioral and/or
developmental problems. CLN.

**PDRC 988. Pediatric Infectious Disease. 2-4 Hours.**
This course is designed to familiarize students with infectious diseases of pediatric patients. Students will learn the rational selection of antimicrobials and their appropriate uses and recognize the reasons for failure of antimicrobial therapy. Students will learn basic immunology and both active and passive immunization. Students will learn the pathogenesis of fever and to recognize the common pediatric pathogens causing meningitis, bacteremia, respiratory tract infections, enteric infections and urinary tract infections. Students will attend outpatient clinics, daily hospital rounds on in-patients and new consultations, and daily meetings to discuss infectious disease topics. *Recommendation: Candidates for Med/Peds residency should enroll in 2 weeks of this course and 2 weeks INMD 986, (Adult) Infectious Disease. CLN.

**PDRC 989. Pediatric Emergency Care. 2-4 Hours.**
The student will spend time at the Pediatric Emergency Department, working closely with the faculty. Teaching and supervision is provided by board certified emergency medicine physicians and internal medicine/pediatrics physicians with faculty positions in the Department of Pediatrics. Expectations include participation in didactic instruction and patient carte, literature searches of material as assigned or necessary for management of patients, understanding of evidence-based medicine in the care pediatric emergencies and participation in emergency department procedures under the guidance of the attending. The goals are for the student to become familiar with various pediatric emergencies, as well as understanding other situations in which children are brought into the ED. Prerequisite: PDRC 975. CLN.

**PDRC 990. Pediatric Nephrology. 2-4 Hours.**
During this elective, the student will learn to recognize and manage inpatient and outpatient problems related to pediatric nephrology. Participation in clinic, as well as hospital consultations will be involved, as well as reading assignments/discussions with faculty. Teaching and supervision is provided by a full-time, board certified pediatric nephrologist. A basic understanding of pediatric nephrology is essential to the pediatrician in general practice who will need to recognize a child suffering from a renal condition, manage those that generally do not require referral, and initiate management of those that will need the intervention of a nephrologist. Expectations include participation in daily instruction and patient care, literature searches of material as assigned or necessary for management of patients, and understanding of evidence-based medicine in the care of the nephrology patient. Prerequisite: PRDC 975. CLN.

**PDRC 995. Special Topics in Pediatrics. 2-8 Hours.**
This elective is designed to provide clinical and/or research experience in topics of special interest not otherwise represented in the curriculum. The student will design, in consultation with department faculty, specific objectives, reading assignments, and the mechanism for course evaluation. Prerequisite: Medical Basic Sciences and Departmental consent. CLN.