Stead Family Department of Pediatrics

Chair
• Raphael Hirsch

Faculty: https://medicine.uiowa.edu/pediatrics/people
Website: https://medicine.uiowa.edu/pediatrics/

The Stead Family Department of Pediatrics provides a solid foundation for M.D. students and postgraduate trainees. It offers extensive opportunities for general pediatrics and subspecialties training.

Affiliated programs add depth to the educational program in community pediatrics and primary care. The department is affiliated with the child and material health programs of the Bureau of Family Health, Iowa Department of Public Health; the University of Iowa Stead Family Children's Hospital; the Center for Disabilities and Development; the Blank Children's Hospital in Des Moines; and community sites.

M.D. Training

Didactic lectures and physical examination of newborns, toddlers, and older children provide M.D. students with their initial pediatric patient contact. This experience includes taking a history, performing a physical examination, appraisal of growth and development, nutrition, and symptomatology of newborns, toddlers, and adolescents.

For core and advanced medical students, the inpatient service provides training in the complex problems of disease and critical illness. Students participate in daily rounds involving general pediatrics and all subspecialties. Challenging and interesting cases are presented for discussion of diagnosis and treatment.

Outpatient experience, available in the core clerkship and advanced electives, stresses principles and practices required for the maintenance of children's health, treatment of common general pediatric disorders, and the diagnosis and treatment of subspecialty ambulatory patients.

Residency

Residency Program, Fellowships

The department offers an accredited three-year residency program designed to prepare trainees for professional careers in general pediatrics or for further fellowship training. The program meets the eligibility requirements of the American Board of Pediatrics (ABP) and is approved for 15 residents and one child neurology resident per year by the Accreditation Council for Graduate Medical Education (ACGME).

Fellowships are available in multiple pediatrics subspecialties. Fellowship programs encourage development of knowledge and skill through research and clinical experiences in the chosen discipline. Upon satisfactory completion of the program, fellows meet the ABP eligibility requirements in their subspecialty.

Facilities

The Stead Family Department of Pediatrics has inpatient and outpatient facilities in the University of Iowa Stead Family Children's Hospital. Additional outpatient facilities are located at Iowa River Landing in Coralville.

The pediatric inpatient service has approximately 189 beds, and more than 60,000 patients are seen each year in the general, specialty, continuity care, and field clinics and in the University’s Emergency Department. The Center for Disabilities and Development provides resources for children with developmental disabilities, cerebral palsy, or mental retardation.

The department maintains a number of laboratories that perform both clinical and research studies.

Courses

Stead Family Department of Pediatrics Courses

PEDS:6101 Primary Care: Infants, Children, and Adolescents II 3 s.h.
Enhancement of clinical knowledge and skills for infant, child, adolescent care; development and refinement of knowledge and skills in primary health care delivery. Prerequisites: NURS:6100. Corequisites: NURS:6702. Same as NURS:6101.

Clinical experience in conducting pediatric neuropsychology examinations in the Pediatric Attention/Learning Disorders Clinic. Requirements: course on psychological testing (including IQ) and graduate psychology standing (school, counseling, rehabilitation, clinical). Same as PSQF:7245.

PEDS:7251 Clinical Pediatric Neuropsychology arr.
Learning and behavior disorders resulting from central nervous system dysfunction; clinical experience in assessment of cognitive, behavioral patterns.

PEDS:7252 Assessment of Attention Deficit Disorder 3 s.h.

PEDS:7253 Assessment of Behavior Disorders arr.
Experience in diagnostic and behavioral assessments of children with conduct disorders.

PEDS:7255 Autism Spectrum Disorders 2 s.h.
Overview of autism spectrum disorders (ASDs), including autistic disorder, Asperger's disorder, other pervasive developmental disorders; ASD diagnoses and their etiology; tools used in assessing individuals with ASDs; common interventions for ASDs; resources for work with individuals who have ASDs.
**Peds:7256 Pediatric Psychology Inpatient Practicum** 1-3 s.h.
Knowledge and practical skills in implementing psychological practice with hospitalized pediatric patients; referrals include challenging behaviors (e.g., treatment adherence, disruptive behaviors), neuropsychological assessment (e.g., child with seizure disorder, child with TBI), and social-emotional evaluation; how to consult with medical teams and work with families with children who have acute and chronic health conditions, including asthma, diabetes, cancer, brain tumors, burns, head injury. Requirements: enrollment in an applied doctoral program in a psychological field. Recommendations: completion of a practicum in an outpatient pediatric psychology clinic.

**Peds:7258 Seminar in Pediatric Psychology** 2 s.h.
Basic introduction to the field of pediatric psychology; professional issues in pediatric psychology; consultation and professional relations with physicians; psychological services in pediatric psychology; specialized populations, such as childhood chronic illness, children's hospitalization and surgery. Requirements: enrollment in an applied doctoral program in a psychological field.

**Peds:7260 Neurobehavioral Assessment and Intervention** 1-3 s.h.
Experience evaluating the interaction between a child's neurocognitive profile and their behavior at school and home; interviews with parents/children, assessments to assist in identifying cognitive and learning disorders, behavioral analyses to identify interventions; follow-up with families and school teams.

**Peds:7261 Autism Assessment and Behavioral Intervention** 1-3 s.h.
Foundation in evidence-supported psychological assessment, behavioral assessment, and/or intervention for children with autism spectrum disorders (ASDs); emphasis on evaluating and providing treatment services to young children with ASDs and their families.

**Peds:7262 Biobehavioral Assessment and Intervention** 1-3 s.h.
Experience conducting brief functional assessments and behavioral treatments for children and adults with developmental disabilities; interviews with caregivers, behavioral assessments, matched treatments (e.g., functional communication training); follow-up with caregivers.

**Peds:7263 Evaluation and Treatment of Pediatric Feeding Disorders** 1-3 s.h.
Experience evaluating children with varied feeding disorders, such as food overselectivity by texture or type, dependence on gastrostomy or nasogastronomy tubes, failure to grow adequately due to inadequate caloric intake; methods to evaluate feeding behaviors, evaluate design interventions, and measure outcomes; caregiver training and follow-up.

**Peds:7264 Clinical Applications of Applied Behavior Analysis** 1-3 s.h.
Experience behavioral observations, consultation, and/or conducting behavioral assessments (including preference assessments and functional analyses), matched treatments; interviews with care providers, collect behavioral data, conduct behavioral assessments, matched treatments; follow-up with care providers.

**Peds:7265 Research in Applied Behavior Analysis** 1-3 s.h.
Experience developing and conducting research in applied behavior analysis; conduct behavioral observations, behavioral assessments, matched treatments; weekly readings and lab meetings; participate in research sessions as data collector or therapist.

**Peds:7300 Pediatric Independent Study** arr.

**Peds:8301 Clinical Pediatrics** 6 s.h.
Principles, practices of health maintenance and treatment of acute and chronic illnesses in children; emphasis on diagnosis and evaluation, nutrition, behavior problems, disorders affecting children; patient care, daily rounds, ward work. Requirements: third-year M.D. enrollment.

**Peds:8401 Pediatric Inpatient Care Subinternship** arr.
Experience on pediatric inpatient team caring for patients ranging from infants through adolescents; evaluation, formulation of differential diagnoses, diagnostic workups, appropriate therapy programs. Requirements: fourth-year M.D. enrollment.

**Peds:8402 Subinternship in Pediatrics: Blank Children's Hospital, Des Moines** arr.
Experience in the care of general pediatric inpatients; daily rounds and teaching by senior residents and faculty members; daily didactic conferences. Requirements: fourth-year M.D. enrollment.

**Peds:8403 Neonatology (NICU)** arr.
Experience caring for ill neonates, proficiency in using diagnostic tests and procedures; responsibility for care of several infants; reference and literature review, conferences, teaching, clinical rounds. Requirements: fourth-year M.D. enrollment.

**Peds:8404 Critical Care (PICU)** 4 s.h.
Direct care of critically ill children in a multidisciplinary medical/surgical/cardiac intensive care unit, under supervision of pediatric residents and staff; participation in educational activities and formal clinical rounds. Requirements: fourth-year M.D. enrollment.

**Peds:8405 Emergency Room Blank Children's Hospital, Des Moines** arr.
Pediatric emergencies and urgent care, proficiency in pediatric medicine procedures; expansion of basic knowledge. Requirements: fourth-year M.D. enrollment.

**Peds:8406 Pediatric Allergy/Immunology and Pulmonary** arr.
Experience in evaluating and treating respiratory and allergic diseases in infants, children, and adolescents. Requirements: fourth-year M.D. enrollment.

**Peds:8407 Pediatric Cardiology** arr.
Participation in clinical activities; observation of cardiac catheterization; experience in cardiac auscultation, ECG, radiography; emphasis on physical diagnosis, approach to heart disease and murmurs in children. Requirements: fourth-year M.D. enrollment.

**Peds:8408 Pediatric Gastroenterology** arr.
Diagnosis, management, treatment of diseases of gastrointestinal tract, liver, pancreas in children; ward rounds, consultations, clinics, diagnostic procedures, conferences. Requirements: fourth-year M.D. enrollment.
PEDS:8409 Pediatric Hematology/Oncology arr.
Basic concepts of clinical approach to hematologic and oncologic problems in children and adolescents; primarily outpatient experience. Requirements: fourth-year M.D. enrollment.

PEDS:8410 Pediatric Neurology arr.
Participation in outpatient and inpatient activities, teaching, morning ward rounds. Requirements: fourth-year M.D. enrollment.

PEDS:8411 Child Abuse and Neglect 2,4 s.h.
Hospital- and community-based multidisciplinary responses to child abuse and neglect; experience developing diagnostic skills to recognize, assess, and report cases of child abuse and neglect. Requirements: fourth-year M.D. enrollment.

PEDS:8412 Developmental and Behavioral Pediatrics 2,4 s.h.
Normal developmental sequence of gestation and early childhood, impact of environmental influences; antecedents of developmental disabilities; methods to detect cognitive and motor delays in preschool children; long-term consequences of developmental disabilities for children, their families; advantages of interdisciplinary teamwork. Requirements: fourth-year M.D. enrollment.

PEDS:8413 General Pediatric Outpatient Clinic 2,4 s.h.
Work in general pediatric outpatient clinics with acutely or chronically ill patients and with well children. Requirements: fourth-year M.D. enrollment.

PEDS:8415 Medical Genetics for the Senior Student arr.
Participation in diagnostic, therapeutic problems; techniques for evaluation, appropriate counseling in genetic cases; conferences. Requirements: fourth-year M.D. enrollment.

PEDS:8416 Neonatal Intensive Care Unit, Blank Children's Hospital 4 s.h.
Experience equivalent to intern on neonatal intensive care unit teaching service at Blank Children's Hospital, Des Moines; four-week rotation.

PEDS:8417 Community Pediatric Outpatient Elective 2 s.h.
Opportunity to participate as active members of a community-based general pediatric office; work directly with community-based faculty and non-physician team members; build on clinical skills developed in M3 pediatric clerkship. Requirements: M.D. enrollment.

PEDS:8420 Pediatric Palliative Care 2,4 s.h.
Palliative medicine as a specialty which enhances quality of life, reduces suffering for patients with serious illnesses, and provides education and support for their families; interdisciplinary consult team working with patient's primary medical providers for inpatient or outpatient management of symptoms, goal setting, and decision making; introduction to pediatric palliative care with option to be involved in adult palliative care and local hospice services. Requirements: M.D. enrollment.

PEDS:8421 Pediatric Endocrinology 2,4 s.h.
Diagnosis, management, and treatment of pediatric endocrine diseases: growth disorders (short stature, tall stature, delayed puberty, precocious puberty), thyroid disorders (hypothyroidism, hyperthyroidism, thyroid nodules), diabetes mellitus, diabetes insipidus, dysgenetic syndromes, ambiguous genitalia, adrenal insufficiency or adrenal steroid excess, and hypopituitarism. Requirements: M.D. enrollment.

PEDS:8431 Pediatric Nephrology 2,4 s.h.
Introduction to general pediatric nephrology cases and management. Requirements: M.D. enrollment.

PEDS:8450 Continuity of Care in Outpatient General Pediatrics 4 s.h.
Work with experienced general pediatrician in a longitudinal clinical experience for the academic year; paired with faculty pediatrician to see patients in a weekly clinic, provide clinical care to a defined patient population; growth and development, health supervision, and management of common acute and chronic clinical problems. Requirements: fourth-year M.D. enrollment.

PEDS:8495 Pediatric Intensive Care Off Campus arr.
Arranged by student and department. Requirements: fourth-year M.D. enrollment.

PEDS:8498 Pediatrics On Campus arr.
Requirements: fourth-year M.D. enrollment.

PEDS:8499 Pediatrics Off Campus arr.
Requirements: fourth-year M.D. enrollment.