

PED 7130 Pediatric Nephrology Syllabus

Contact Information

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Course Information

Brief Description of Course

Diagnosis and management of children and adolescents with renal, fluid, electrolyte, and hypertensive disorders. The student will see inpatients and perform consultations at University Hospital as well as Primary Children's Hospital, and Primary Children's Riverton. Students will also evaluate patients in the Pediatric Renal Clinic. The student will be introduced to dialysis and transplantation.

Course Goals

As a result of successfully completing this course, students will be able to:

During the rotation on the Pediatric Nephrology service, the student will be expected to gain an understanding of the evaluation and basic management as well as pathophysiology of the following conditions:

1. Minimal change nephrotic syndrome.
2. Glomerulonephritis.
3. Hypertension.
4. Vesicoureteral reflux and obstructive uropathy.
5. Urinary tract infections.
6. Kidney stones.
7. Kidney failure, acute and chronic.
8. Hematuria and proteinuria

Course Format & Schedule

Timeline

Educational and Instructional Modalities

Patient Care

- Use logical and appropriate approach to care.
- Describe indications for subspecialty procedures.

Medical Knowledge

- Acquire, interpret, and apply knowledge appropriate for the general pediatrician regarding the core content of pediatric nephrology.
- Evaluate medical information critically and apply to care appropriately.

Interpersonal Skills and Communication

- Provide effective education to patients and families.
- Demonstrate ability to work effectively with multidisciplinary team caring for nephrology patients.

Practice-based Learning and Improvement

- Identify guidelines for diagnosis and treatment of common renal conditions.

Professionalism

- Demonstrate personal accountability to the well-being of patients (e.g., following-up on lab results, writing comprehensive notes, and seeking answers to patient care questions).
- Demonstrate a commitment to carrying out professional responsibilities including seeking additional learning opportunities, such as outside reading.
- Adhere to ethical and legal principles and be sensitive to the diversity of patients, families, and care providers.

Systems-based Practice

- Recognize and advocate for families who need assistance to deal with system complexities.

Role of the Student in this Course

Clinic

Renal clinics are held from 8 am to 5 pm on Monday, Tuesday, Thursday, and Friday each week at the Eccles outpatient building, third floor, station 5. Emergency drop-in patients may be seen on non-clinic days.

Although unlikely, students may be asked to travel to the PCH-Lehi campus for clinic on occasion. It is the responsibility of the student to have reliable transportation methods to arrive at this location should the need arise.

Hospital Rounds

Rounds will be conducted with the renal resident and pediatric Nephrology attending physician each morning. Formal teaching rounds will be conducted with the Veasy team in the AM one to two days per week at the discretion of the Nephrology attending. The inpatient attending will set the time of the work rounds each morning. The student will accompany the renal resident prior to formal rounds for the purpose of examining patients, reviewing the vital signs (temperature, weight, blood pressure, etc.) and reviewing laboratory, medical imaging, and pathology results. The student should be prepared to present assigned patients. A written note should be prepared before rounds.

Consultations

There are usually new consultations at either the University Hospital or Primary Children's Hospital. The student will accompany the renal resident in evaluating the patient prior to presentation to the Nephrology faculty attending physician. The student should be prepared to present assigned patients.

Conferences

The student will be expected to attend:

1. Appropriate educational conferences during their rotation block which may include:
 - a. Dialysis Educational Series 3-4 PM 2nd or 3rd Wednesday of each month, virtual.
 - b. Renal Biopsy Conference, 2nd Wednesday of the month 2-3 PM in the Pathology Conference Room (attending in service will direct).
 - c. Fellow Journal Club 23 PM most Fridays, in person or virtual.

Other Activities

1. The student may be introduced to dialysis by visiting the pediatric-adolescent dialysis unit and observing dialysis clinic.
2. The student may also be introduced to renal transplantation by observing transplant clinic, which is held each Tuesday in Eccles outpatient building, third floor, station 5.
3. The student should observe a kidney biopsy if one occurs during the student's rotation. The biopsy is then reviewed with the pathologist during the following week.

Required Textbook(s)/Readings

Book Title + ISBN	Author/Publisher/Edition	Appx Cost
List will be emailed to you		

Additional Resources

Assessment & Grading

Preceptor Evaluations

Assessments – Complete the table with all assessments in the rotation

Assessment/Assignment	Due Date	Weight towards Final Grade
Preceptor Evaluations		100%

Grading System

Students will receive a final letter grade of PASS (P) or FAIL (F) for this course.

PASS: A student who achieves above 1.7 will be assigned a grade of PASS for the course.

FAIL: A student who fails to achieve the criteria for PASS (1.7) will be assigned a grade of FAIL for the course.

Student Feedback

Providing feedback is an important aspect of our professionalism expectations and helps with curriculum quality improvement. For each clinical course in Phases 3-4 you must complete an end-of-course survey and individual surveys of clinical faculty and residents by the due date to demonstrate reliability for the professionalism competency. Required surveys are administered online through Qualtrics and student responses are anonymous. Please refer to the resource section of the course canvas page for student feedback survey due dates.

Standard Practices

Please refer to the Clinical Curriculum Procedures and Practices for the following:

- Phase 4 Developmental Benchmarks for Priority EPAs**
- Phase 4 Formative Feedback Form**
- Phase 4 Global Rating Form (Preceptor Evaluation)**
- Phase 4 Attendance Expectations**
- Medical Student Clinical and Educational Work (formerly Duty Hours)**
- Medical Student Clinical Documentation**
- Medical Student Call Rooms**
- Medical Student Mobile Communication**
- Students as Interpreters**

Standard Policies

Please refer to the Student Handbook (on the Student Affairs website) for these policies:

- Accommodations**
- Addressing Sexual Misconduct**
- Dress Code**
- Examination and Grading Policies**
- Grade or Score Appeal**
- Professionalism, Roles & Responsibilities**
- Mistreatment**
- Infectious, Environmental and Bloodborne Pathogen Exposures Policy**

Alternate Name and/or Personal Pronoun

Class rosters are provided to the instructor with the student's legal name as well as 'Preferred' first name (if previously entered by you in the Student Profile section of your CIS account). While CIS refers to this as merely a preference, we will

honor you by referring to you with the name and pronoun that feels best for you in class, on papers, exams, group projects, etc. Please advise us of any name or pronoun changes (and please update CIS) so we can help create a learning environment in which you, your name, and your pronoun will be respected.

Center for Disability & Access Services

The School of Medicine seeks to provide equal access to its programs, services and activities for all medical students. The Center for Disability and Access (CDA) provides accommodations and support for the educational development of medical students with disabilities. Medical students with a documented disability, and students seeking to establish the existence of a disability, that would like to request accommodations are required to meet with the CDA to establish accommodations. The CDA will work closely with eligible students and the Academic Success Program to make arrangements for approved accommodations. The School of Medicine and CDA maintain a collegial, cooperative, and collaborative relationship to ensure compliance with federal and state regulations for students with disabilities.

Steven Baumann EdD, School of Medicine Senior Director of Academic Success Program, serves as the liaison between the School Of Medicine and the CDA.

Contact Information:

Dr. Steven Baumann, Senior Director of Academic Success Program

Safety Statement

The University of Utah values the safety of all campus community members. To report suspicious activity or to request a courtesy escort, call campus police at 801-585-COPS (801-585-2677). You will receive important emergency alerts and safety messages regarding campus safety via text message. For more information regarding safety and to view available training resources, including helpful videos, visit safeu.utah.edu.