

# 2107 Pediatric Rheumatology

Course: <u>Pediatric Rheumatology</u>	Course Number: <u>PED 2107</u>
Department:	Pediatrics
Faculty Coordinator:	Tracey Wright, MD
UTSW Education Coordinator Contact:	Margie Molina ( <a href="mailto:margie.molina@utsouthwestern.edu">margie.molina@utsouthwestern.edu</a> )
Hospital: (Location of rotation)	Children's Health-Dallas and Scottish Rite for Children Dallas
Periods Offered:	Periods 1-12
Length:	4 weeks
Max # of Students per 2week period:	1 (Post-Clerkship Student)
First Day Contact:	Children's Health contact: Sharon Moore ( <a href="mailto:sharon.moore@utsouthwestern.edu">sharon.moore@utsouthwestern.edu</a> ) Scottish Rite for Children contact: Kimberly Shoemaker ( <a href="mailto:kimberly.shoemaker@tsrh.org">kimberly.shoemaker@tsrh.org</a> ); please email Kimberly Shoemaker <i>upon course registration</i> to begin Scottish Rite for Children credentialing that must be completed in advance of rotation start date
First Contact Time:	8:00am
First Day Location:	Scottish Rite for Children
Prerequisites:	PED 1801 Pediatric
Core Clerkship	

## I. Course Description

The student will be taught how to examine and evaluate pediatric patients with rheumatic disease. The focus will be on the importance of detailed history and musculoskeletal examination in the diagnosis of pediatric rheumatic disease. The elective will demonstrate the importance of continuity of care and a multidisciplinary approach in the case of chronic patients and enhance students' ability to logically perform differential diagnosis. The student will be exposed to the physical findings in all major pediatric rheumatic diseases including juvenile arthritis, lupus, dermatomyositis and scleroderma.

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<u>Goals</u>	<u>Objectives</u>	<u>Assessment Methods</u>
<p><b>Patient Care:</b> Students, together with supervising faculty, must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.</p>	<ul style="list-style-type: none"> <li>• Gather essential and accurate information about their patient's history.</li> <li>• Perform physical examination being able to recognize signs of joint swelling, limitation of range of motion, muscle weakness and abnormal skin findings including heliotrope, Gottron's papules, morphea, malar rash and discoid lesions.</li> <li>• Interpret standard laboratory testing including CBC, CRP, ESR and albumin to recognize and assess the severity and chronicity of systemic inflammation.</li> <li>• Interpret the significance (or lack thereof) of commonly obtained autoantibody tests, ANA, RF, anti CCP, ds DNA antibodies and anticardiolipin antibodies.</li> <li>• The resident/student should develop an approach including a differential diagnosis and plan for further evaluation , if necessary to the patient with:               <ul style="list-style-type: none"> <li>○ Joint swelling</li> <li>○ Joint pain</li> <li>○ Unexplained fever</li> <li>○ Muscle pain/weakness</li> <li>○ Positive ANA</li> <li>○ Morning stiffness</li> <li>○ Rash</li> </ul> </li> <li>• Synthesize and present the above information to the attending in an oral presentation for dictation by the attending physician.</li> </ul>	<ul style="list-style-type: none"> <li>• Quality of Medical Records entries</li> <li>• Skills evaluation from direct observation.</li> </ul>

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<p><b>Medical Knowledge:</b> Students must demonstrate knowledge about established biomedical and clinical sciences and the application of this knowledge to patient care.</p>	<ul style="list-style-type: none"> <li>• Be able to diagnose (clinically) and understand the pathophysiology, natural history, prognosis and current management concepts of common rheumatology problems in children, including: <ul style="list-style-type: none"> <li>○ Oligoarticular juvenile arthritis</li> <li>○ Polyarticular juvenile arthritis</li> <li>○ Systemic juvenile arthritis</li> <li>○ Psoriatic juvenile arthritis</li> <li>○ Enthesitis related juvenile arthritis</li> <li>○ Systemic lupus erythematosus</li> <li>○ Juvenile Dermatomyositis</li> <li>○ Localized scleroderma</li> <li>○ Systemic scleroderma</li> <li>○ Vasculitis</li> <li>○ Periodic fever syndromes</li> </ul> </li> <li>• Demonstrate critical thinking in correlating rheumatologic pathophysiology with patient's physical and laboratory findings.</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Each student is required to create a case presentation and to present it to the faculty and fellows during the rotation. It is recommended that students present an interesting case they encountered during their rotation. However, they are also permitted to present on a topic of interest that relates to pediatric course topic.</li> </ul>
<p><b>Interpersonal and Communication Skills:</b> Students must be able to demonstrate interpersonal and communication skills that result in effective information exchange with healthcare professionals and families.</p>	<ul style="list-style-type: none"> <li>• Give case presentations in a clear, concise, organized and relevant manner.</li> <li>• Communicate appropriate information to the family (and patient) concerning management. Be an integral member of the medical care team and exchange information effectively with other health care professionals.</li> </ul>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff.</li> </ul>

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<p><b>Practice-Based Learning and Improvement:</b> Students must be able to assimilate scientific evidence and improve their patient care practices.</p>	<ul style="list-style-type: none"> <li>• Read about the rheumatologic conditions and treatments of these conditions affecting their patients.</li> <li>• Demonstrate appropriate use of educational resources for self-education, including medical literature and on-line medical information.</li> </ul>	<ul style="list-style-type: none"> <li>• Each student is required to create a case presentation and to present it to the faculty and fellows during the rotation. It is recommended that students present an interesting case they encountered during their rotation. However, they are also permitted to present on a topic of interest that relates to pediatric course topic.</li> <li>• Critical review of a relevant article.</li> </ul>
<p><b>Professionalism:</b> Students must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.</p>	<ul style="list-style-type: none"> <li>• Accurate representation of data</li> <li>• Ethically sound decisions</li> <li>• Professional appearance</li> <li>• Attendance at clinics and conferences on time</li> <li>• Respect for patients' confidentiality</li> <li>• Mature behavior</li> <li>• Sensitivity to culture, genders and disabilities</li> </ul>	<ul style="list-style-type: none"> <li>• Observations of faculty and staff.</li> </ul>

## II. Methods of Instruction

### **Didactic: (*Schedule, Topic and Faculty*)**

Attendance at the weekly Rheumatology Grand Rounds and Pediatric Rheumatology didactics on Thursdays are encouraged. These meetings include journal clubs, guest speakers and presentations by rheumatology attendings/fellows on topics pertinent to the field.

### **Clinical: (*Schedule, Faculty Teaching and House-Staff Teaching*)**

Students attend all day Rheumatology clinics at Scottish Rite for Children or Children's Health Dallas on Mondays, Tuesday, Wednesdays and Fridays.

## III. Overview of Student Responsibilities

- Evaluate inpatients, present to attending and follow until discharge.
- In clinics, see patients and present patient information to attending.
- Independent Learning
  - Resources for independent learning are provided for each student. Resources include recent review articles and information to access lectures on the major pediatric rheumatic diseases and about the history and physical examination of children with rheumatic disease.

## IV. Method of Evaluation of Students and Requirements

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Pass-fail grades; there are no examinations. Evaluations of the student by the faculty will be based on achievement of the stated objectives of the course. This will be assessed by the student's preparation, fund of knowledge, participation in clinic, and participation in didactic sessions.