



# Virtual Rheumatology Practicum (ViP) Pediatric Program 2021

Date	Time (EST)	Topic	Speaker	Reading Materials
Tuesday, July 13 Lecture 1	3:00 PM	<b>History of Pediatric Rheumatology</b> <i>Learning Objectives:</i> <ol style="list-style-type: none"> <li>1. Understand the growth of pediatric rheumatology as a specialty and identify some of the key people and events in its development.</li> <li>2. Know the background of training, fellowships, and the Boards in Pediatric Rheumatology.</li> <li>3. Follow the evolution of academics and practice patterns.</li> <li>4. Recognize the contributions of parents, volunteers, and professional organizations to the growth of the specialty.</li> <li>5. Gain perspective on the role of basic and applied science in the transition of the role of pediatric rheumatologists and the way children are now managed.</li> <li>6. Speculate on future directions for the specialty.</li> </ol>	<b>Helen Emery, MD</b> University of Washington	
	4:00 PM	<b>JIA: Biology, Classification, and Evidenced-based Management</b> <i>Learning Objectives:</i> <ol style="list-style-type: none"> <li>1. Understand the basic anatomy of the joint relevant to arthritis</li> <li>2. Explain current JIA classification, its historical origin, and implications for practice</li> <li>3. Provide an evidence-based approach to four common management scenarios: early-onset oligoarthritis, severe polyJIA, new-onset systemic JIA, and remission on treatment</li> </ol>	<b>Peter Nigrovic, MD</b> Boston Children's Hosp.	<a href="#">Treat to target (drug-free) inactive disease in DMARD-naive juvenile idiopathic arthritis: 24-month clinical outcomes of a three-armed randomised trial</a>  <a href="#">Treatment withdrawal following remission in juvenile idiopathic arthritis: a systematic review of the literature</a>  <a href="#">Biological classification of childhood arthritis: roadmap to a molecular nomenclature</a>

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Friday, July 16 Lecture 2	11:00 AM	<b>The 1000 Faces of Childhood-onset Systemic Lupus Erythematosus</b> <i>Learning Objectives:</i> 1. Review the classification criteria for childhood-onset SLE (cSLE) 2. Highlight some of the diverse clinical features and management of cSLE 3. Review how ethnicity may influence disease manifestations	<b>Deborah Levy, MD, MS</b> Sick Kids	
	12:00 PM	<b>How to Be a Consultant + Succeeding in Fellowship</b> <i>Learning Objectives:</i> 1. Know how to develop your noble purpose 2. Identify the missing parts of your mentoring mosaic 3. Have some strategies for keeping up with the literature 4. Create a framework for teaching as a consultant	<b>Jay Mehta, MD</b> Children's Hosp. of Philadelphia	<a href="#">Mentoring Mosaic</a>  <a href="#">What Mentors Wish Their Mentees Knew</a>  <a href="#">PARTNER Approach to Consult Teaching</a>
Tuesday, July 20 Lecture 3	3:00 PM	<b>Amplified Pain Syndrome and Approach to Pain</b> <i>Learning Objectives:</i> 1. Identify aspects of the history and physical that are most consistent with juvenile fibromyalgia/amplified MSK pain 2. List the diagnostic criteria for juvenile fibromyalgia 3. Learn about management of juvenile fibromyalgia/amplified MSK pain	<b>Jen Weiss, MD</b> Hackensack Meridian Health	<a href="#">References and Reading Materials</a>
	4:00 PM	<b>Rheumatology Labs</b> <i>Learning Objectives:</i> 1. Identify findings suggestive of rheumatic diseases seen in basic lab work 2. Discuss inflammatory markers in rheumatic diseases 3. Review ANA testing in pediatric rheumatology 4. Overview of autoantibodies and their associations	<b>Cuoghi Edens, MD</b> University of Chicago	<a href="#">Laboratory testing in pediatric rheumatology</a>  <a href="#">Review for the generalist: The antinuclear antibody test in children – When to use it and what to do with a positive titer</a>
Friday, July 23, Lecture 4	11:00 AM	<b>JDM</b> <i>Learning Objectives:</i> 1. Identify diagnostic features and appropriate testing for juvenile dermatomyositis 2. Describe first-line treatment for juvenile dermatomyositis as well as potential second and third line options 3. Anticipate potential emergencies, complications, and severe features of juvenile dermatomyositis	<b>Kaveh Ardalan, MD, MS</b> Duke University	<a href="#">Key References</a>
	12:00 PM	<b>Rheumatology Medications</b> <i>Learning Objectives:</i> 1. Become familiar with the categories of medications used to treat rheumatic conditions in children 2. Know the side effects of the anti-rheumatic drugs most commonly used in children	<b>Erica Lawson, MD</b> University of California San Francisco	

		3. Know the guidelines for medication monitoring for the anti-rheumatic drugs most commonly used in children		
Date	Time (EST)	Topic	Speaker	Reading Materials
Tuesday, July 27 Lecture 5	3:00 PM	<b>Approach to Fever/Autoinflammatory Syndromes</b> <i>Learning Objectives:</i> 1. This talk aims to familiarize clinicians with the common clinical presentations of autoinflammatory diseases 2. To provide guidance to clinicians as to how to evaluate a patient with suspected autoinflammatory disease 3. This talk aims to provide information regarding what types of genetic testing are available and how to navigate which type to order	<b>Amanda Ombrello, MD</b> NIH	
	4:00 PM	<b>Immunology Basics</b> <i>Learning Objectives:</i> 1. Understand the general principles of acute and chronic inflammation 2. Review key cellular and soluble players in the generation of an immune response 3. Consider key role of pattern recognition receptors in innate immunity and autoinflammation	<b>Grant Schulert, MD, PhD</b> University of Cincinnati Children's Hosp.	
Friday, July 30 Lecture 6	11:00 AM	<b>Systemic JIA/MAS/COVID IMS</b> <i>Learning Objectives:</i> 1. Recognize the clinical and laboratory features of macrophage activation syndrome in sJIA. 2. Describe the various medical conditions putting children at risk for severe COVID-19. 3. Distinguish the different therapies employed for treating MIS-C	<b>Randy Cron, MD, PhD</b> University of Alabama	<a href="#">Highways to Hell</a> <a href="#">MAS Review Henderson 2020</a> <a href="#">MAS Genetics Review 2020</a> <a href="#">Immunology MAS Review 2019</a> <a href="#">Distinguishing PEDS COVID-19 &amp; MIS-C PROJ 2021</a> <a href="#">MAS Review 2012</a>
	12:00 PM	<b>MSK Ultrasound in Pediatric Rheumatology</b> <i>Learning Objectives:</i> 1. To describe the uses of musculoskeletal ultrasound in pediatric rheumatology 2. To discuss the major differences between MSKUS in children and adults 3. To understand the limitations of ultrasound as compared to other imaging modalities	<b>Ezra Cohen, MD</b> Children's Hosp. of Boston	
	12:30 PM	<b>Approach to MSK Radiology</b> <i>Learning Objectives:</i> 1. To determine which imaging modality is best for a suspected disease 2. Form an imaging based differential diagnosis for joint disease 3. Describe the salient imaging features of JIA and features that suggest non-rheumatologic joint disease	<b>Kathryn Milks, MD</b> Nationwide Children's Hosp.	

Date	Time (EST)	Topic	Speaker	Reading Materials
<b>Tuesday, August 3</b> <b>Lecture 7</b>	<b>3:00 PM</b>	<b>Scleroderma (localized and systemic)</b> <i>Learning Objectives:</i> 1. Understand the two major types of pediatric scleroderma: Localized Scleroderma (LS) vs. Systemic sclerosis (SSc) 2. Discuss the appropriate testing for LS and SSc and interpret the result 3. Review the recommended treatments	<b>Kate Silver, MD</b> Medical University of South Carolina	
	<b>4:00 PM</b>	<b>Rheumatology Emergencies</b> <i>Learning Objectives:</i> 1. Identify the differential for both urgent and emergent conditions seen in pediatric rheumatology 2. Identify potential diagnostic considerations in rheumatic disease 3. Begin to identify potential management and therapies in an emergency scenario	<b>Rajdeep Pooni, MD, MS</b> Stanford University	
<b>Friday, August 6,</b> <b>Lecture 8</b>	<b>11:00 AM 2 hour session</b>	<b>Vasculitides – KD and Medium/Large Vessels</b> <i>Learning objectives:</i> 1. Describe classification and general principles 2. Identify pediatric vasculitides 3. Describe monogenic forms of systemic vasculitis  <b>Vasculitis – HSP and Other Small Vessels</b> <i>Learning objectives:</i> 1. Describe the features of HSP (Henoch Schonlein purpura), major complications and management 2. Recognize the presentations of AAV, plan diagnostic evaluation and treatment 3. Discuss the presentation of Behcet’s disease and other less common vasculitides in children	<b>Pui Lee, MD, PhD</b> Children’s Hosp. of Boston  <b>Vidya Sivaraman, MD</b> Nationwide Children’s Hosp.	<a href="#">Slide Presentation</a>