

Learning Objectives

Friday, January 23, 2026

Pulmonary Manifestations of Systemic Autoimmune Rheumatic Diseases (SARD)*

Dr. Sarah Maclsaac

This session is designed to provide an up-to-date review on diagnosis and management of SARD-related interstitial lung disease. There will be a focus on learning CT chest patterns that are common in SARD-ILD, highlighting important recommendations from the ACR/CHEST 2024 SARD-ILD guidelines, and discussing a few clinical pearls in the treatment of patients with SARD-ILD.

At the end of this session, participants will be able to:

1. Recognize approach to interstitial lung disease patterns in SARD
2. Explain ACR/CHEST 2024 treatment guidelines
3. Identify Clinical Pearls in the workup and management of SARD-ILD

Lung Manifestations of Rheumatological Diseases*

Sharon Dell

Pulmonary manifestations of rheumatological disease are rare in children but are important for the rheumatologist to be aware of. Pulmonary manifestations can be the initial presentation of systemic inflammatory disease. Several pulmonary manifestations can be rapidly progressive and/or life threatening, including pulmonary hemorrhage secondary to vasculitis and interstitial lung disease associated with systemic juvenile idiopathic arthritis and juvenile dermatomyositis. Monogenic disease (e.g. COPA syndrome) can present as "atypical" lupus or JIA. By the end of this session, the pediatric rheumatologist should be able to recognize pulmonary presentations of vasculitis, connective tissue diseases and inherited autoinflammatory diseases, and have an understanding of therapy available specific to pulmonary diseases (e.g. anti-fibrotic therapy).

At the end of this session, participants will be able to:

1. Explain the clinical presentations of pulmonary vasculitis in children
2. Recognize idiopathic pulmonary capillaritis as a single organ vasculitis
3. Identify the pulmonary presentations associated with connective tissue disease and inherited autoinflammatory disease

Immunology

Troy Torgerson

This session will cover basic immunology concepts that are particularly important for autoimmune and inflammatory diseases. The concepts will be reinforced through clinical cases and therapeutic examples. The session will include useful information for all training levels.

At the end of this session, participants will be able to:

1. Describe basic features of an inflammatory response including prominent cells and secreted factors involved
2. Describe the main cells & cytokines involved in making an adaptive immune response and their role in generating autoreactivity
3. List 3 therapeutics that target important molecules involved in autoimmunity & autoinflammation

Imaging of Arthritis: From Theory to Practice*

Marcos Sampaio

This session presents a case-based general approach to image interpretation of arthritis, including typical features/patterns of common rheumatologic conditions, including radiographic and MRI imaging features in axial disease (spondyloarthritis vs other).

At the end of this session, participants will be able to:

1. Approach radiographs systematically to obtain proper differential diagnosis
2. Describe findings with pertinent language
3. List typical imaging presentations for common rheumatological conditions

Interpretation of Pediatric Radiographs: General Framework and Case-Based Approach*

Dr. Daniel Rosenbaum

This session will provide a framework for interpreting pediatric radiographs, with a focus on juvenile idiopathic arthritis.

At the end of this session, participants will be able to:

1. Formulate a general approach to interpreting radiographs in juvenile idiopathic arthritis
2. Refine this approach based on disease evolution
3. Recognize characteristic imaging findings in select JIA subtypes

A Review of the Diagnosis and Management of LVV

Corrie Baldwin

This session provides a review of the diagnosis and management of LVV. The talk will focus predominantly on GCA with a focus primarily on the updated evidence underlying the treatment of GCA.

At the end of this session, participants will be able to:

1. Identify the work-up/diagnosis of suspected LVV
2. Explain the role of imaging in LVV
3. Recognize the evidence underlying the treatment of LVV

*Concurrent sessions

Wednesday, April 16, 2026

Lupus Nephritis: Core Concepts and New Frontiers

Alexandra Legge

This session will provide participants with fundamental knowledge for diagnosing and managing lupus nephritis in clinical practice, with a focus on the 2024 American College of Rheumatology (ACR) Guidelines for the Screening, Treatment and Management of Lupus Nephritis. The evidence base and rationale underlying the ACR recommendations will be reviewed. Using an interactive, case-based format, participants will learn how to apply the ACR guidelines in the clinical care of patients with new onset, non-responsive, and refractory lupus nephritis. Finally, this session will introduce participants to the concept of CAR-T cell-mediated B-cell immune reset as an emerging treatment option for systemic autoimmune rheumatic diseases, including lupus nephritis.

At the end of this session, participants will be able to:

1. Understand the key evidence and rationale underlying the 2024 American College of Rheumatology (ACR) Guidelines for the Screening, Treatment, and Management of Lupus Nephritis.
2. Apply recent evidence and guideline recommendations to the clinical care of patients with new onset, non-responsive, and refractory lupus nephritis.
3. Describe the rationale and emerging evidence for using CAR-T cell therapy in the treatment of lupus nephritis and other systemic autoimmune rheumatic diseases.

Autoinflammatory Diseases

Jason An

Forthcoming