



Item 24-3149 Resolution – Lupus Disease Public Hearing

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**COOK COUNTY
HEALTH**

Systemic Lupus Erythematosus (SLE)

Objectives

1. Brief description of SLE
2. Services available to SLE patients within Cook County Health (CCH)
3. SLE research done by CCH physicians

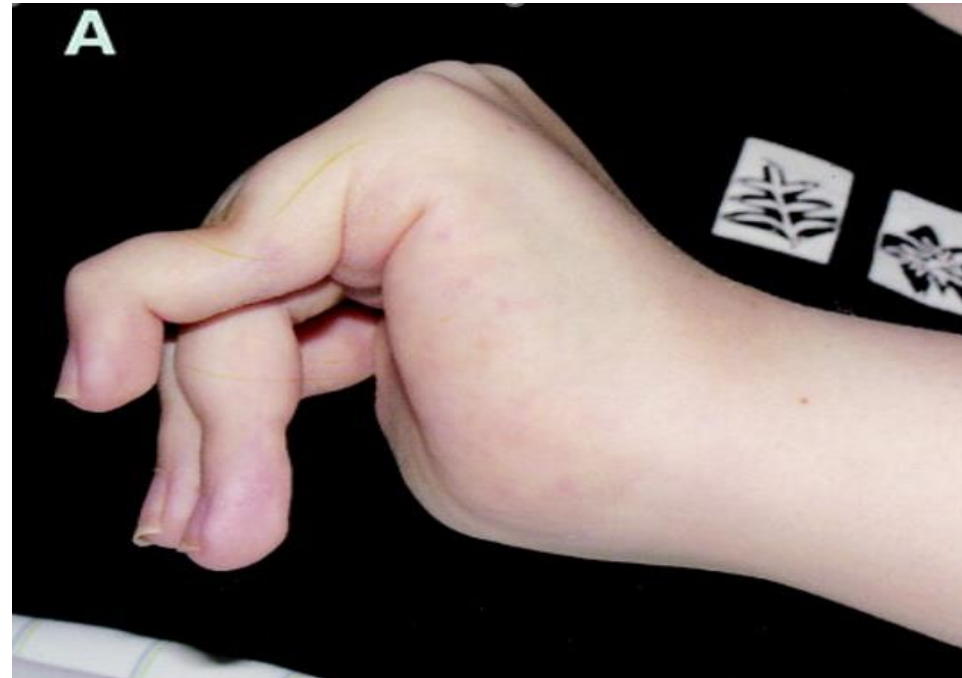
Systemic Lupus Erythematosus (SLE)

What is SLE?

- SLE is a chronic autoimmune disease of unknown cause
- SLE can affect any part of the body, most common sites of involvement include:
 - joints
 - skin
 - kidneys
 - blood
 - lungs
- A diagnosis of SLE is based upon a combination of symptoms ***and*** abnormal lab tests

Systemic Lupus Erythematosus (SLE)

SLE Commonly Affects the Skin and Joints



Systemic Lupus Erythematosus (SLE)

SLE Prevalence

- General prevalence of SLE in the USA is 20 -150 cases per 100,000 individuals
 - In women, the prevalence rates vary from 164 (White individuals) to 406 (African American individuals) per 100,000
- Highest risk group for SLE
 - Women between 30-50
 - African Americans
- SLE does occur in men and can occur at any age
 - SLE in men can be severe

Systemic Lupus Erythematosus (SLE)

SLE Race/Ethnicity

- SLE and its associated complications seem to affect ethnic/racial minorities disproportionately
- We don't have an exact explanation for this, but genetic differences have been proposed as a likely factor
- Factors such as diet, stress, hormones, ultraviolet light, differences in gut bacteria (microbiome) and environment may also play a role (lupus.org)
- Multiple large organizations such as the National Institutes of Health (NIH), Arthritis Foundation, and members of the American College of Rheumatology actively study these issues

Systemic Lupus Erythematosus (SLE)

Services for SLE Patients at Cook County Health

- CCH provides the full range treatments for SLE patients
- In 2023, CCH cared for 195,735 unique patients
 - Lupus patients account for 0.5% of CCH's patient population
 - 790 unique SLE patients
 - 189 patients with Discoid Lupus
- CCH provides Rheumatology Clinic appointments within 5 days for new SLE patients
- CCH collaborates closely with our Nephrology and Dermatology departments in providing SLE care
- **Additional free patient resources can be found at <https://www.lupus.org/>**

Systemic Lupus Erythematosus (SLE)

CCH Physician SLE Research over the last 3 years

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Empowering Rheumatology Professionals

Reasons for Hospitalization and In-Hospital Mortality in Adult Systemic Lupus Erythematosus

Augustine M. Manadan,¹ Soumyasri Kambhatla,² Estefania Gauto-Mariotti,³ Chimunya Okoli,⁴ and Joel A. Block²

ORIGINAL ARTICLE

Systemic Lupus Erythematosus and Antiphospholipid Antibody Syndrome as Risk Factors for Acute Coronary Syndrome in Young Patients

Analysis of the National Inpatient Sample

Millan Whittier,* Rocío Bautista Sanchez, MD,†
Shilpa Arora, MD, MS,‡ and Augustine Mathew Manadan, MD,§

Clinical Rheumatology

https://doi.org/10.1007/s10067-023-06594-9

ORIGINAL ARTICLE

Nationwide analysis of adult hospitalizations with hemophagocytic lymphohistiocytosis and systemic lupus erythematosus

Maria Emilia Romero Noboa,¹ Hugo Lopez-Arevalo,¹ Axi R. Patel¹ · Shilpa Arora^{1,2} · Augustine M. Manadan^{1,2}

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https://doi.org/10.1007/s10067-022-06418-2

ORIGINAL ARTICLE

Longitudinal trends of systemic lupus erythematosus hospitalizations in the United States: a two-decade population-based study

Ehizogie Edigin,¹ Amy Trang² · Pius E. Ojemolon³ · Precious O. Eseaton⁴ · Hafeez Shaka⁵ · Asim Kichloo⁶ · Efosa M. Bazuaye⁷ · Nelson O. Okobia⁴ · Rachael I. Okobia⁴ · Vaneet Sandhu¹ · Augustine Manadan⁸

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ORIGINAL ARTICLE

Nationwide analysis of neuromyelitis optica in systemic lupus erythematosus and Sjogren's syndrome

Faria Sami¹ · Shahzad Ahmed Sami² · Augustine M. Manadan³ · Shilpa Arora⁴

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Open Access Case
Report

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Lupus Enteritis: An Uncommon Presentation of Lupus Flare

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Questions



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