LIVING WITH SYSTEMIC LUPUS ERYTHEMATOSUS

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Definition

- Chronic autoimmune disease
- The body's immune system starts attacking itself
- Can affect most organs and tissues in the body
 - Brain, lungs, heart, joints, skin, blood, kidneys

The Types of Lupus

- Systemic lupus erythematosus (SLE or lupus)
 Any organ
- Cutaneous/discoid/skin lupus
 - Skin only
- Drug-induced
 - Medications cause
- Mixed connective tissue disease
 - Associated with other autoimmune diseases
- Neonatal lupus
 - Affect infants of women with lupus



Who Treats Lupus?



- Systemic Lupus Erythematosus -Rheumatologist
- Cutaneous lupus Dermatologist
- Other specialists
 - Nephrologist kidney disease
 - Cardiologist heart problems
 - Neurologist nervous system problems
 - Perinatologist high risk pregnancies



Facts About Lupus

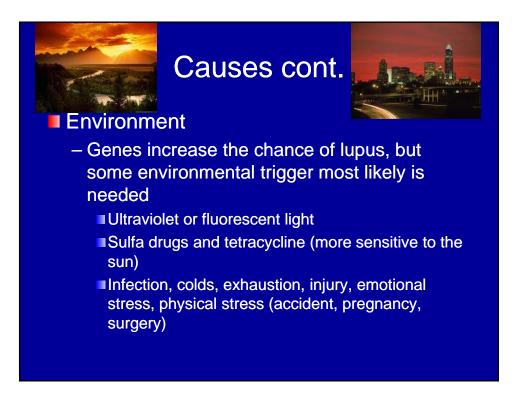


- 1.5 million people have lupus
- More than 16,000 new cases reported in the US each year
- Women in childbearing years
 - -9 of 10 lupus patients are women
- People of all races and ethnic groups can develop lupus
- Women of color 2 -3 times more likely

Causes



- Not known
- Possibly hormones, genetics and environment
- Sex hormone estrogen
 - Women produce more than men
- Genetics
 - Lupus or other autoimmune diseases like rheumatoid arthritis in the family
 - Greater in ethnic groups African, Asian, Hispanic/Latino, Native American or Pacific Island descent



Causes cont.

Not contagious!!!!!!

Symptoms

- Fatigue
- Painful or swollen joints
- Anemia
- Fever
- Headaches
- Swelling in the feet, legs, hands and/or around the eyes
- Pain in chest on deep breathing (pleurisy)
- Muscle pain

- Butterfly-shaped rash across the cheeks and nose
- Hair loss
- Sensitivity to the sun
- Blood clotting problems
- Ulcers in the mouth/nose
- Fingers turning red, white and blue (Raynaud's phenomenon)

| Symptoms | Percent at Onset | Percent at Anytime |
|------------------|------------------|--------------------|
| Fatigue | 50 | 74-100 |
| Fever | 36 | 40-80+ |
| Joints | 62-67 | 83-95 |
| Skin | 73 | 80-91 |
| Kidneys | 16-38 | 34-73 |
| Heart | 15 | 20-46 |
| Lungs | 2-12 | 24-98 |
| Gastrointestinal | 18 | 38-44 |
| Brain | 12-21 | 25-75 |

Von Feldt JM, Postgrad Med 1995; 97:79

Arthritis/Joint pain

- Joint symptoms in over 90% of patients at some time
- Can move from joint to joint
- Hands are often involved
- Rarely deforming



Skin Manifestations

- Butterfly rash
- Discoid lesions
- Hair loss (alopecia)
- Oral and nasal ulcers

Skin Manifestations



Malar rash



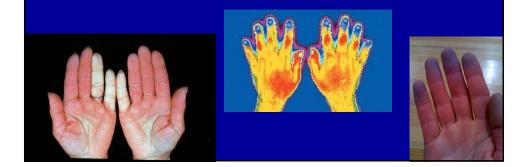


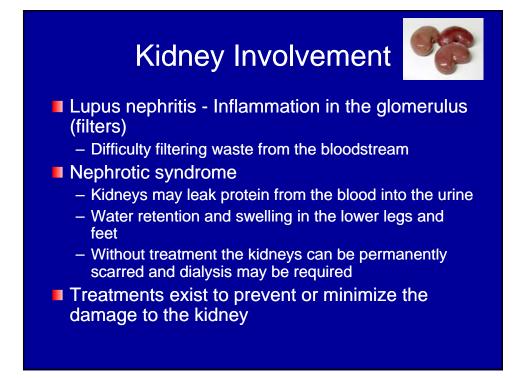
Alopecia

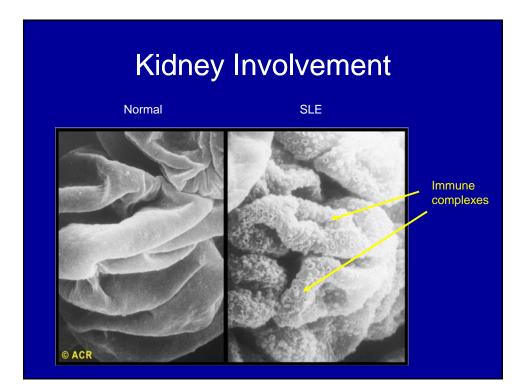


Raynaud's Phenomenon

Cold-induced color changes of the fingers or toes







Serositis

Inflammation of the serous tissues of the body. The serous tissues line the lungs (pleura), heart (pericardium), and the inner lining of the abdomen (peritoneum) and organs within

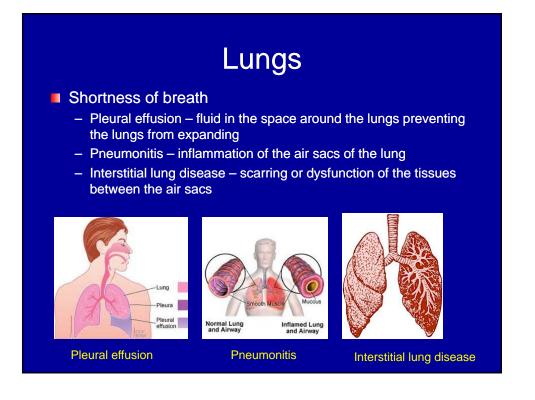
Digestive Tract

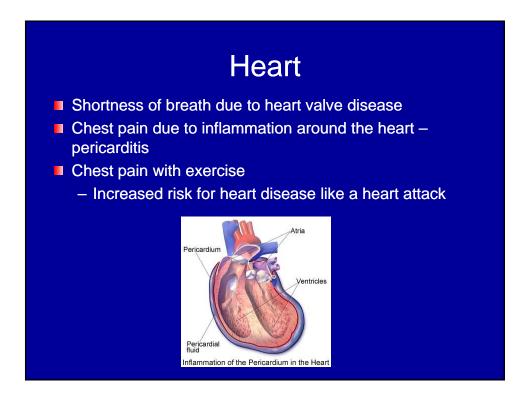
- Medications like prednisone and NSAIDs (Ibuprofen) can cause stomach upset and stomach ulcers
- Lupus can cause inflammation of the pancreas (pancreatitis), the lining of the abdomen (peritonitis) or the large intestine (colitis)
 - Severe abdominal pain, nausea, and vomiting

Digestive Tract



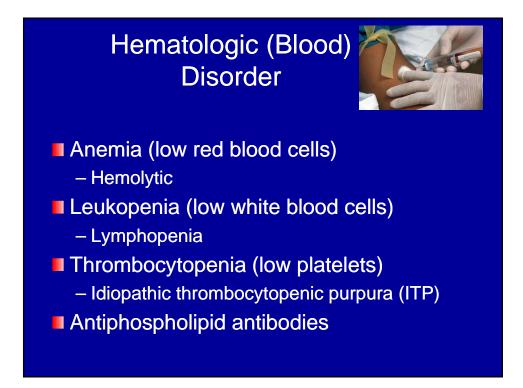
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Nervous System Central and Peripheral

- Difficulty concentrating
- Memory loss or confusion
- Depression/Anxiety
- Psychosis
- Seizures
- Meningitis
- Cerebritis
- Peripheral neuropathy pain or numbress in the hands or feet



Cardiovascular Disease

- Increased risk for heart attacks and strokes at a younger age
- Know the signs and symptoms
- Seek immediate medical attention

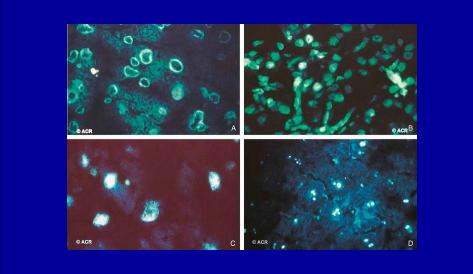






- No single test
- Health history and current symptoms
- Family history
- What the doctor sees on exam
- Lab tests

Antinuclear Antibody (ANA)



Diagnosis 11 Common Criteria

- Malar rash
- Discoid rash
- Photosensitivity
- Oral ulcers
- Arthritis
- Serositis

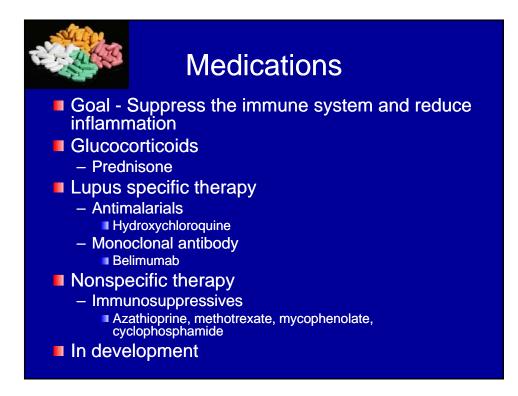
- Renal disorder
- Neurologic disorder
- Hematologic disorder
- Immunologic disorder
- Antinuclear antibody

VS.

SLICC Criteria

Treatment Strategy

- Individual treatment plans are implemented for each patient and may alter during the course of the disease
- Prognosis has improved with earlier detection of disease and aggressive treatment of renal disease



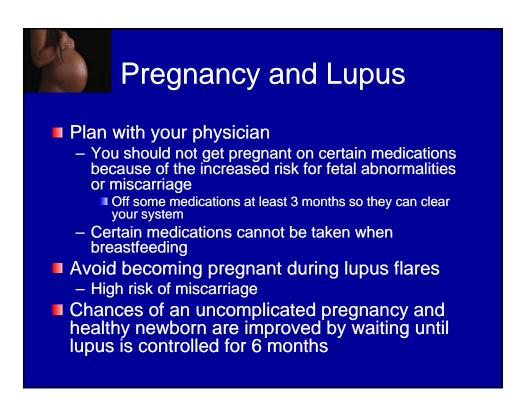
Medication Treatments

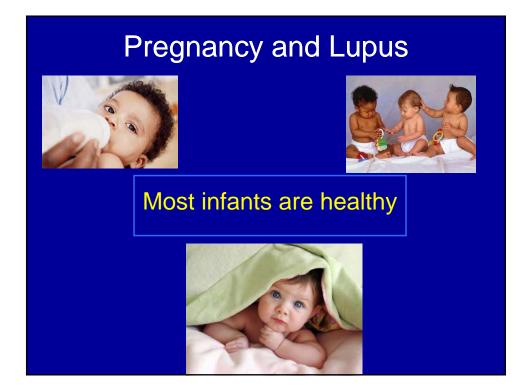
Don't stop your medications without talking to your doctor first!!!

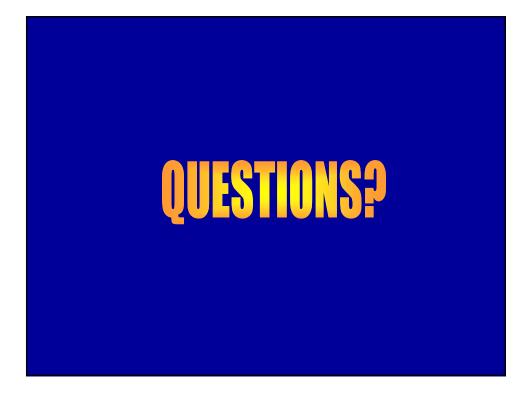
Non-Medical Treatments

- Educate yourself on lupus
- Medication precautions herbals, supplements
- Diet and nutrition
 - No special diet
 - Well-balanced low in fat, high in fruits, vegetables and grains
- Sun protection
- Exercise
- Rest
- Stop smoking
- Support system









Resources for Lupus Patients

- www.lupus.org (LFA National Office)
- www.arthritis.org
- www.LupusResearchInstitute.org
- www.niams.nih.gov/Health_Info/Lupus