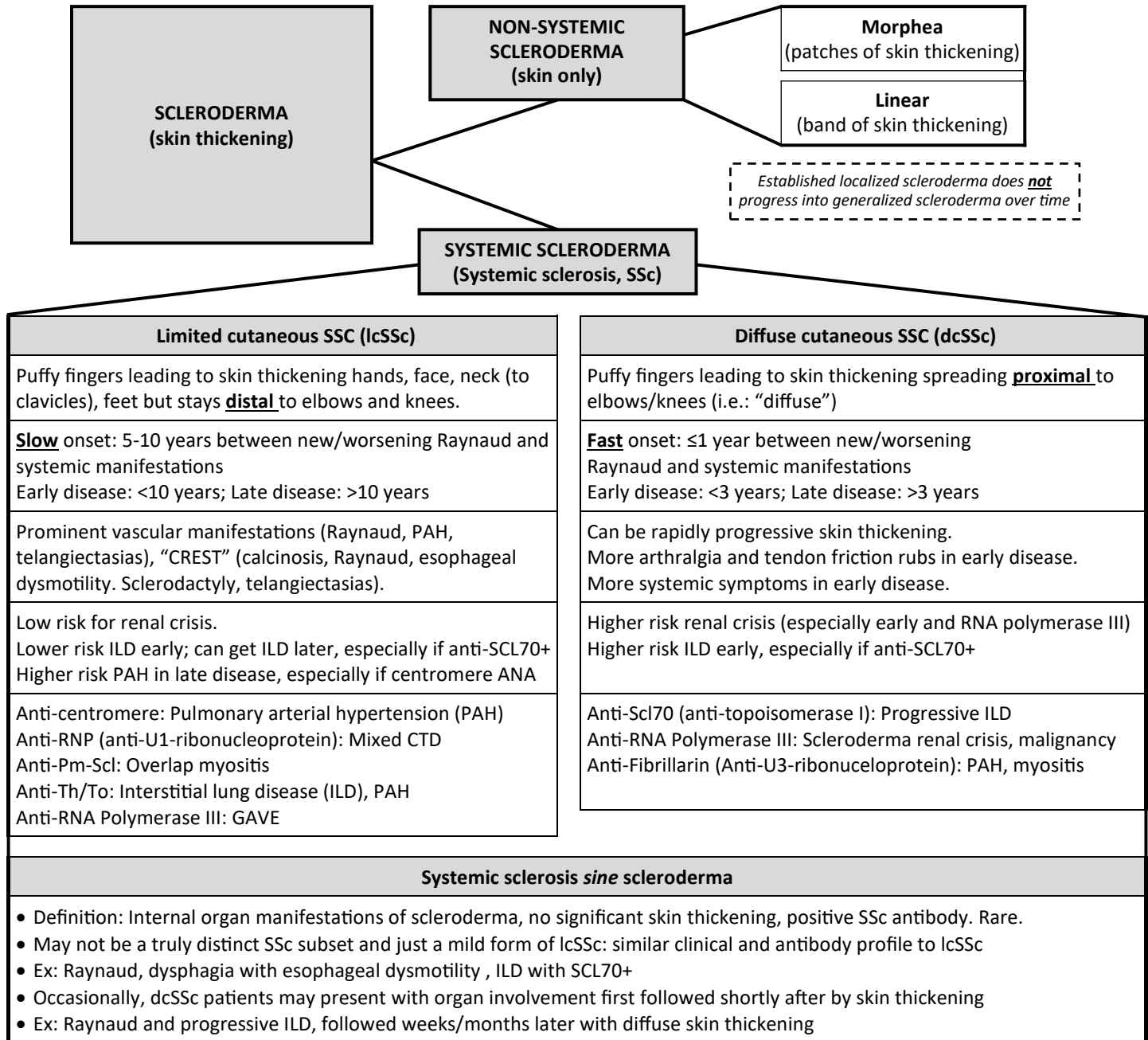


SYSTEMIC SCLEROSIS, SCLERODERMA

rheum.reviews supplement

CLINICAL FRAMEWORK OF SYSTEMIC SCLEROSIS, SCLERODERMA



Classification of patients as lcSSc or dcSSc predict patients' expected pattern of organ involvement and disease course.

- "CREST" is itself not a diagnosis; preferred terminology is lcSSc.** "CREST" describes a **subset** of lcSSc patients with combination of Calcinosis, Raynaud, Esophageal dysmotility, Sclerodactyly, and Telangiectasia.
- Systemic sclerosis can also occur as an overlap syndrome with another systemic rheumatic disease (ex: RA, Sjogren's, SLE).

“The 15% Rule” in Scleroderma: The Frequency of Severe Organ Complications in SSc is around 5% or 15%			
Severe Organ Involvement		Frequency, %	95% CI
Renal Crisis	In dcSSc	12	5-19
	In SSc overall	3	3-4
Severe Cardiac	CHF, pericarditis, arrhythmia, cardiomyopathy in SSc	15	6-24
	Diastolic dysfunction in SSc	16	14-17
	Clinical CHF	5	1-9
	Arrhythmia/conduction abnormality needing treatment	17	14-21
	Pericarditis: symptomatic or mod-large pericardial effusion	3	1-5
	Cardiomyopathy	3	1-6
Pulmonary hypertension	PH in SSc (suggestive via echo)	14	8-20
	PAH in SSc (via right heart catheterization)	15	12-17
	PH with pulmonary fibrosis in SSc	11	4-19
Pulmonary restriction	FVC % predicted <70%	15	12-17
Musculoskeletal	Myositis	13	10-17
	Inflammatory arthritis	12	9-16
Severe Raynaud	Prevalent digital ulcer in SSc	15	10-20
	Current digital ulcer (if one is present at any time)	2	1-3
	Digital amputation in SSc	12	8-16
	Hospitalization due to digital ischemic complication	13	6-21

CLASSIFICATION CRITERIA: ACR/EULAR 2013 CRITERIA

Classification criteria are not meant as diagnostic criteria to diagnose disease in a single specific patient. Classification criteria are a standardized way of recruiting a well-defined homogenous population of patients in research studies in order to ensure comparability across studies of a heterogenous disease.

Criteria are only to be applied if SSc is suspected.

A score of **9 or more** is strongly associated with a diagnosis of SSc

ITEM	SUB-ITEM	WEIGHT
Skin thickening of the fingers of both hands extending proximal to the metacarpophalangeal joints (<i>sufficient criterion</i>)	-	9
Skin thickening of the fingers (<i>only count the higher score</i>)	Puffy fingers	2
	Sclerodactyly of the fingers (distal to the metacarpophalangeal joints but proximal to the proximal interphalangeal joints)	4
Fingertip lesions (<i>only count the higher score</i>)	Digital tip ulcers	2
	Fingertip pitting scars	3
Telangiectasia	-	2
Abnormal nailfold capillaries	-	2
Pulmonary arterial hypertension and/or interstitial lung disease (<i>maximum score is 2</i>)	Pulmonary arterial hypertension	2
	Interstitial lung disease	2
Raynaud phenomenon	-	3
SSc-related autoantibodies (anticentromere, anti-topoisomerase I [anti-Scl-70], anti-RNA polymerase III) (<i>maximum score is 3</i>)	Anticentromere Anti-topoisomerase I Anti-RNA polymerase III	3
Adding the maximum weight (score) in each item category. Patients with a total score of ≥ 9 are classified as having definite SSc.		
Criteria are not applicable to patients with skin thickening sparing the fingers or patients with scleroderma mimic		