# Teaching Slide Collection of the Cutaneous Manifestations of the Disease Activity Score

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#### Introduction

- The following is a slide collection of representative examples of some of the cutaneous manifestations associated with juvenile and adult dermatomyositis which are included in the Disease Activity Score.
- Cutaneous signs are generally scored as present or absent. A few lesions are scored by degree of involvement.

## Skin Involvement Type (score 0 – 4): Atrophic Changes Only



#### Definition:

Dermal or epidermal cutaneous atrophy, with or without telangiectasia, in the absence of erythema.

### Skin Involvement Type: Erythema - Mild



Definition:

Mild erythema = pale pink, no induration.

### Skin Involvement Type: Erythema - Moderate



#### Definition:

Moderate erythema = brighter pink to red, with or without induration

### Skin Involvement Type: Erythema - Severe



#### Definition:

Severe erythema = more intense pink to red with induration

## Vasculitis (Score 0- 1 for section) Erythema - Eyelid



Definition:

Red or purple discoloration of the eyelid.

## Vasculitis: Eyelid Blood Vessel Dilation

Definition:
 Small vessels apparent at the margin of the eyelid.



#### Vasculitis:

### Eyelid Blood Vessel Telangiectasia

Definition:

Greater degree of eyelid vessel dilation, involving the middle portion of the eyelid.



## Vasculitis: Nailfold Erythema (cuticles)

Definition: Periungual erythema.



### Vasculitis: Nailbed Telangiectasia



 Definition: Dilation of the small vessels adjacent to the nailfolds, which may be end row capillaries and other vessels.

## Vasculitis: Palate Vessel Dilation



 Definition:
 Dilated blood vessels evident on the hard palate.

## Gottron's Papules (score 0 – 1 for section): Mild



Definition:
 Mild Gottron's papules: a
 few areas (~2.0 cm or less)
 of localized cutaneous
 papules, usually skin color.

### Gottron's Papules - Moderate



Definition:

Moderate Gottron's papules: several locations of cutaneous involvement, light to medium pink in color

### Gottron's Papules - Severe



Definition:
 Severe Gottron's
 papules: Bright red,
 extensive
 involvement most often
 over the MCP, PIPs,
 elbows, knees.

#### References

- Bode RK, Klein-Gitelman MS, Miller ML, Lechman TS, Pachman LM. Disease Activity Score for children with juvenile dermatomyositis: reliability and validity evidence. Arthritis Rheum (Arthritis Care Research), 2003: 49: 7 – 15
- Smith RL, Sundberg J, Shamtyah E, Dyer A, Pachman LM. Skin involvement in juvenile dermatomyositis is associated with loss of end row nailfold capillary loops. J Rheumatology, 2004: 31: 1644 - 9.

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