

Canine VCLE Historical Perspective

1969 hidradenitis suppurativa (Schwartzman, Br J Derm 1969)

1981 bullous pemphigoid

(White, JAVMA 1981)

1983 erythema multiforme

(Scott, JAAHA 1983)

1995 ulcerative dermatosis of Collies and Shelties

(Ihrke, Current Vet Therapy XII 1995)

2001 vesicular cutaneous lupus erythematosus

(Jackson, Vet Dermatol 2001)

Canine VCLE Signalment (25 Dogs)

- breeds:

11 Shetland sheepdogs

7 rough collies 7 border collies

2.0-11.0 (mean: 5.5 years) - age of onset:

- female-to-male ratio: 0.9

(Olivry, BMC Vet Research 2018)

Canine VCLE

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Canine VCLE Signalment and History (11 Dogs)

– signs arose in the summer: 8 dogs (73%)

- signs recurred every summer: 3 dogs (27%)



photosensitivity as in human SCLE?



(Jackson, Vet Dermatol 2004)

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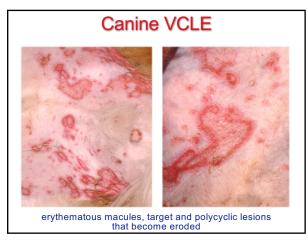
Shetland border rough collies sheepdogs collies

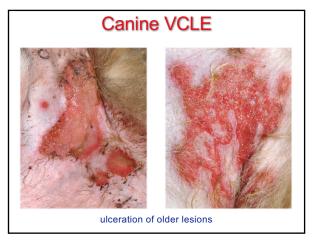


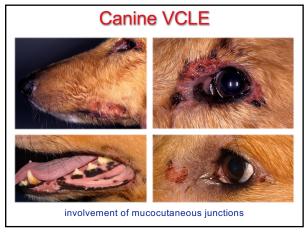
Canine VCLE

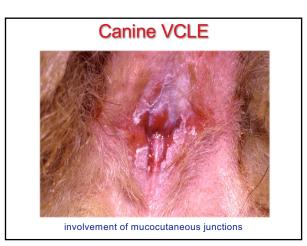
presence of lesions in sparsely haired areas and mucocutaneous junctions

Canine VCLE presence of lesions in sparsely haired areas and mucocutaneous junctions

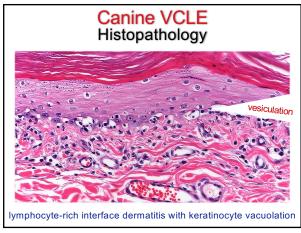


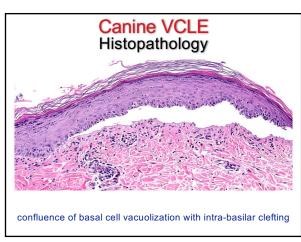




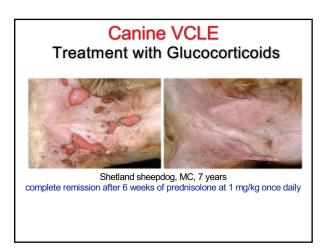


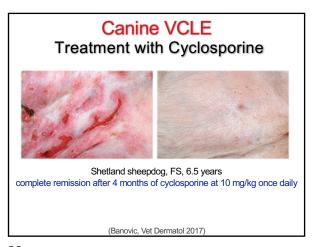
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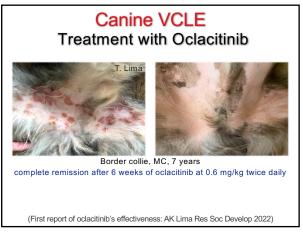


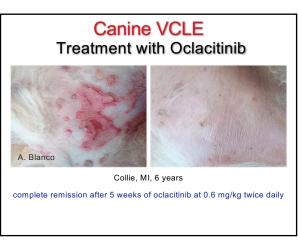


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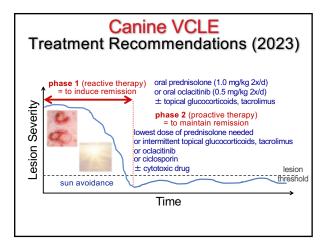


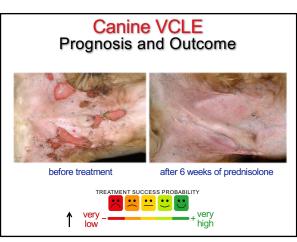




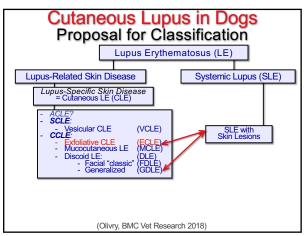


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Canine ECLE
Historical Perspective

1992 hereditary lupoid dermatosis

(Gross, Ihrke and Walder book)

1999 exfoliative cutaneous lupus erythematosus

(Olivry, NAVDF 1999)

Clinical, histopathological and immunological characteristics of exfoliative cutaneous lupus erythematosus in 25 German short-haired pointers

SHARON L. BRYDEN*, STEPHEN D. WHITE; STANLEY M. DUNSTON†, AMANDA K. BURROWS* and THIERRY OLIVRY† Veterinary Dermatology 2005, 16, 239–252

25

Canine ECLE
Signalment and History (25 Dogs)

- signalment:

- breed: German Shorthaired Pointers; common ancestors; siblings affected
- sex: 17 females, 8 males; F:M ratio = 2.1
- age of onset: median: 10 months; range: 1.8 48m

– first lesions:

- · distribution: muzzle, pinnae, head, dorsum
- type: erythema, scaling and alopecia

(Bryden, Vet Dermatol 2005)

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Canine ECLE (GSHP)
Genetic Predisposition

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mutation of UNC93B1 with a continuous activation of TLRs by self and exogenous nucleic acids hyperactivation of innate immune system

UNC93B1 = chaperone/repressor for several Toll-like Receptors (TLRs)

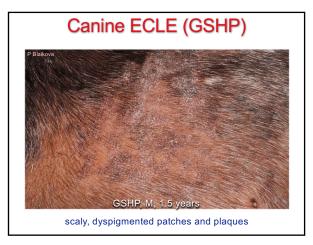
Canine ECLE (GSHP)

GSHP, M, 8 months

generalized erythema, alopecia and scaling

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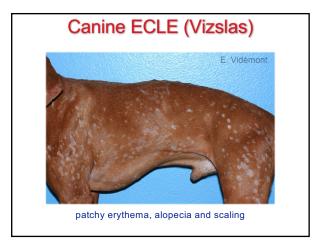


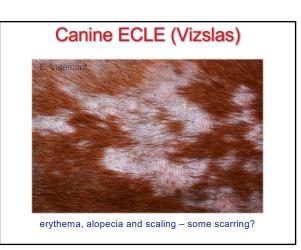




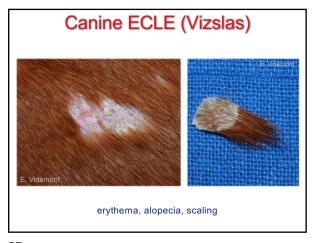


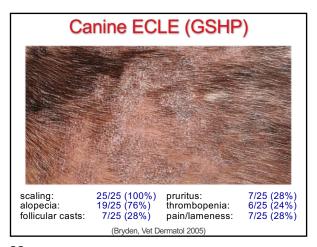
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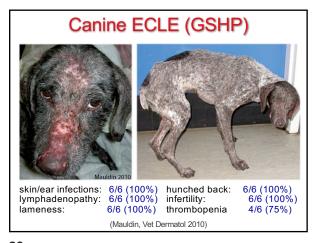


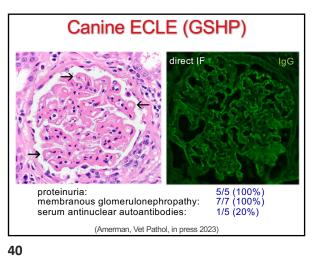


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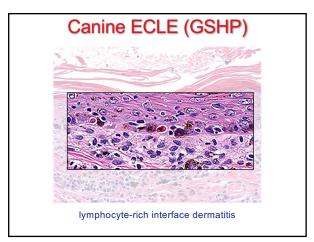


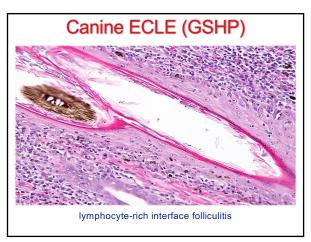




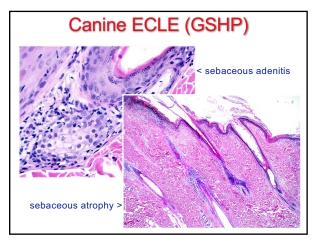


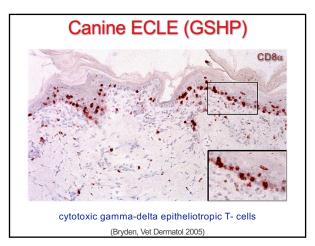
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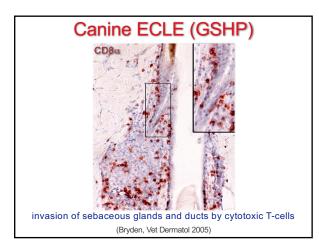




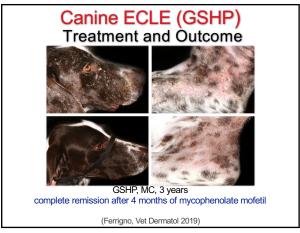
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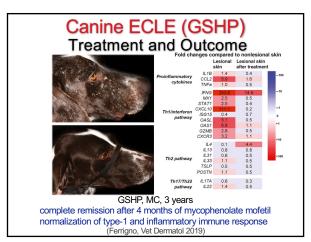




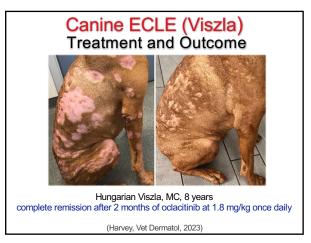


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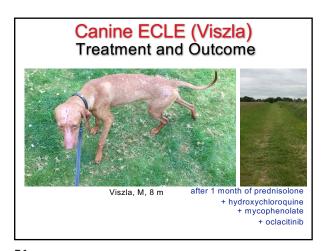


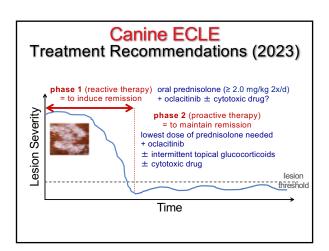


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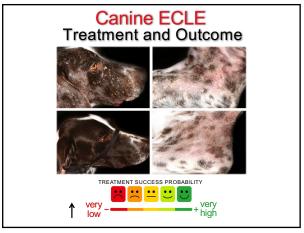


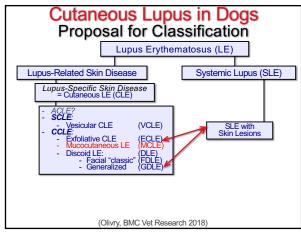






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Canine MCLE Historical Perspective (1) perivulvar discoid lupus erythematosus (1 dog) (Poirier. Can Vet J. 1.0 1995 vulvar discoid lupus erythematosus 1996 (1 dog) (Bensignor, PMCAC 1996) 1998 mucocutaneous lupus erythematosus (2 dogs) (Olivry, Br Vet Derm Study Group 1998) mucocutaneous lupus erythematosus 2004 (4 dogs) (Schrauwen, Vet Record 2004)

Canine MCLE
Historical Perspective (2)

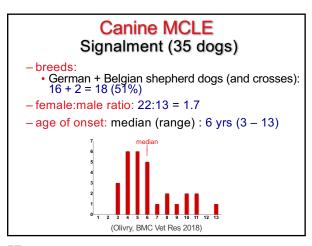
2006 discoid lupus erythematosus variant
(1 dog) (Gerhauser, Vet Pathol 2006)

2014 perianal/perivulvar lupus erythematosus
(3 dogs) (Scott, Jpn J Vet Dermatol 2014)

2015 mucocutaneous lupus erythematosus
(21 dogs) (Olivry, Vet Dermatol 2015)

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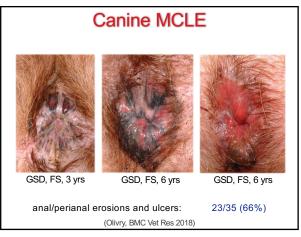
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Canine MCLE
Lesion Distribution (21 Dogs)

- anal/perianal: 12 (60%)
- genital/perigenital: 12 (57%)
- oral/perioral: 10 (48%)
- ocular/periocular: 6 (29%)
- nasal/perinasal: 4 (19%)

57 58



Canine MCLE

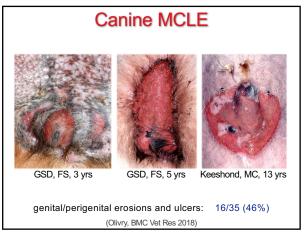
GSD, FS, 5 yrs

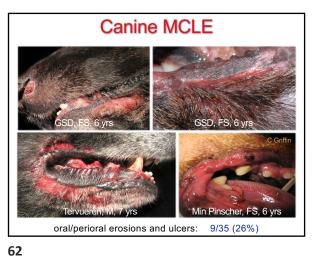
GSD, M, 5 yrs

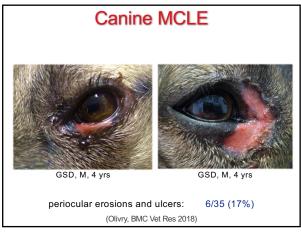
X, FS, 6 yrs

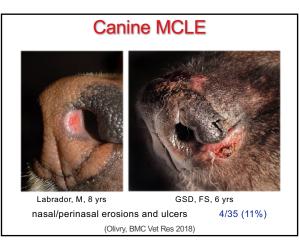
anal/perianal erosions and ulcers:
(Olivry, BMC Vet Res 2018)

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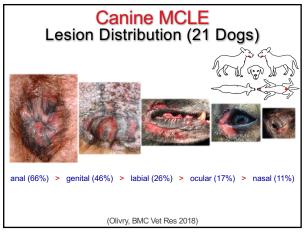






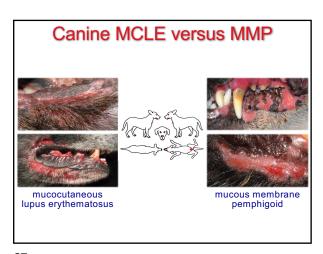


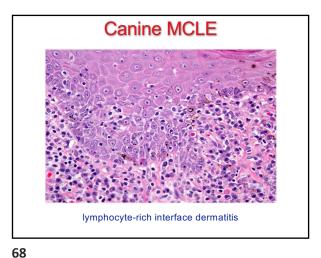
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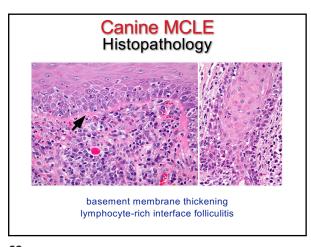


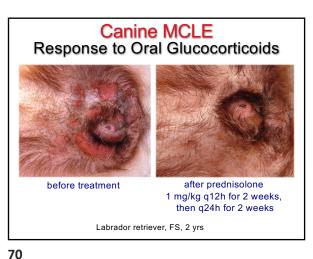


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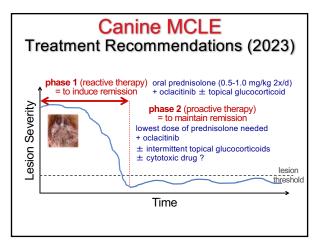




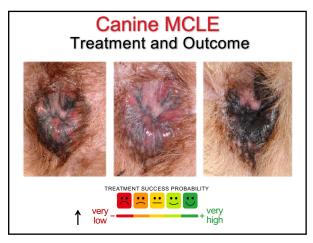


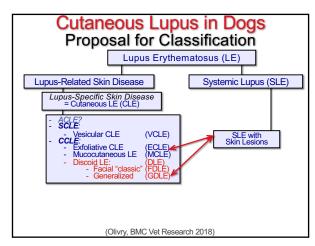
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Canine Facial DLE (FDLE)
Historical Perspective

1979 1st report of FDLE in 2 dogs
(Griffin, Vet Immunol Immunopathol 1979)

1983 1st case series of canine FDLE in the USA
(Scott, JAAHA 1983)

1986 1st case series of canine FDLE in Europe
(Olivry, Prat Med Chir Anim Comp 1986)

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Canine Facial DLE (FDLE)

June 2013

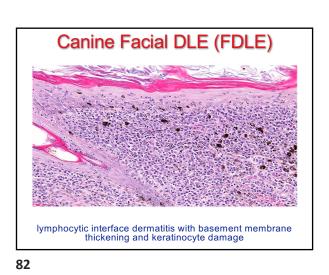
depigmentation, erythema, scarring with loss of normal architecture, crusting ± alopecia

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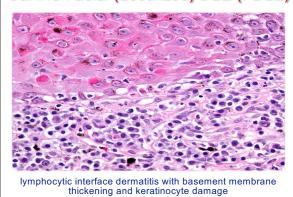


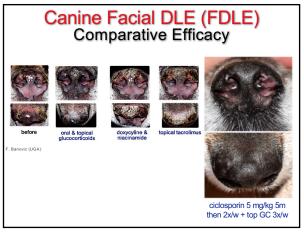
Canine Facial DLE (FDLE)
Main Differential Diagnosis = MMP



Canine Facial (Localized) DLE (FDLE)

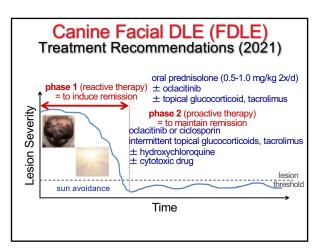
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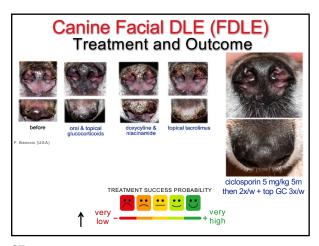




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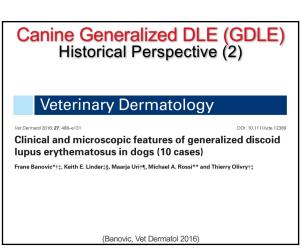






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Canine Generalized DLE (GDLE) Historical Perspective (1) 1st report of GDLE in a dog with response to 2012 hydroxychloroquine (Oberkirchner, Vet Dermatol 2012) 2013 1st report of GDLE with alopecia in a dog with systemic lupus erythematosus (Olivry, Vet Pathol 2013) 1st report of GDLE in a dog with response to 2014 cyclosporine 1st report of GDLE in a dog with response to 2015 niacinamide and tetracycline (Rossi, J Amer Anim Hosp Assoc 2015)



89 90

Canine Generalized DLE (GDLE) Signalment (10 Dogs) - breeds: 7 purebred and 3 crossbred dogs - 2 Chinese crested dogs - 2 Labrador retrievers - female:male ratio: 5:5 = 1.0 - age of onset: median (range): 9 yrs (5 – 12)

Canine Generalized DLE (GDLE) Lesion Distribution (10 Dogs)

 - lateral thorax:
 10 (100%)

 - dorsum:
 10 (100%)

 - neck:
 10 (100%)

 - abdomen:
 8 (80%)

 - proximal limbs:
 8 (80%)

(Banovic, Vet Dermatol 2016)

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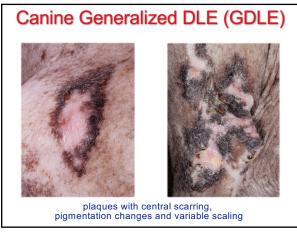


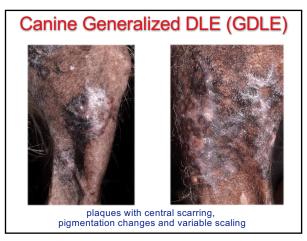
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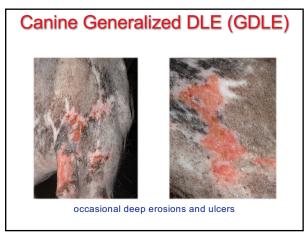




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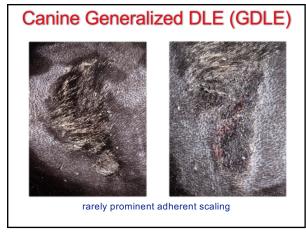








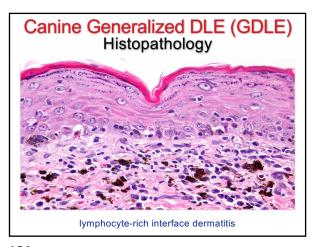
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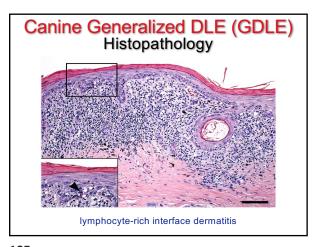


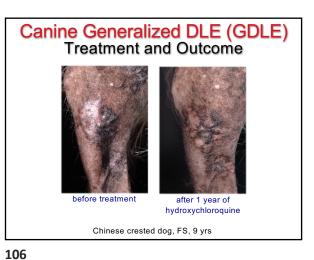


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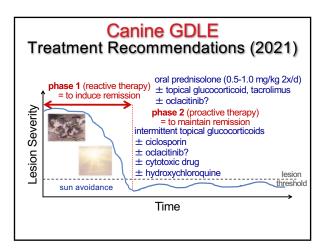
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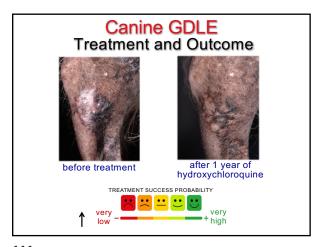




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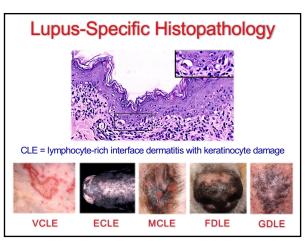






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