INTERFACE DERMATITIS

David Frishberg, M.D.,
Los Angeles Society of Pathologists
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Interface Dermatitis

- Vacuolar pattern
- Lichenoid pattern

Interface Dermatitis

- Vacuolar
  - Erythema multiforme and TEN
  - Mucha-Haberman disease (PLEVA)
  - GVHD
  - Chemotherapeutic effect
  - Drug eruption
  - Collagen vascular disease, including DLE and SLE
  - Lichen sclerosus et atrophicus
  - Fixed drug, superficial

- Lichenoid
  - Lichen planus
  - Fixed Drug
  - Lichenoid drug eruption
  - Mucha-Haberman disease
  - Lichen striatus
  - Lichenoid photodermatitis
  - GVHD (sometimes)
  - Lichenoid purpura of Gougerot-Burn
  - Lichen nitidus
  - Sarcoidosis (rarely)
  - Letterer-Siwe disease

"Non dermatitis" lesions with interface pattern:
- Lichen planus-like keratosis
- Regressing/involuting melanocytic proliferation
- Inflammatory response to leading edge of basal cell carcinoma
- Plaque stage MF

Vacuolar Interface Dermatitis - Mostly Junctional/Intraepidermal Pattern: Erythema Multiforme
Vacuolar Interface Dermatitis
Mostly Junctional/Intraepidermal Pattern:
GVHD

Vacuolar Interface Dermatitis
Mostly Junctional/Intraepidermal Pattern:
Cytotoxic Chemotherapeutic Effect

Vacuolar Interface Dermatitis
Mostly Junctional/Dermal Pattern:
Lichen Sclerosus et Atrophicus
Vacuolar Interface Dermatitis - Mostly Junctional/Dermal Pattern: Lichen Sclerosus et Atrophicus

Vacuolar Interface Dermatitis - Mostly Junctional/Dermal Pattern: Connective Tissue Disease (Dermatomyositis)
A 44 year old white woman presented to her dermatologist with a circinate, scaly, bright red patch on her temple.

A 2 mm punch biopsy was performed.

What is your diagnosis?

CASE # 1 – SUMMARY OF FINDINGS

- Histologic:
  - Superficial and deep perivascular lymphocytic inflammation in an apparent patchy distribution
  - Subtle vacuolar alteration of dermoepidermal junction
  - Plasma cells admixed with lymphocytic inflammation
  - Increased reticular dermal mucin

- Clinical:
  - Female patient with annular/circinate lesion on sun-exposed skin
CASE # 1 – SUMMARY OF FINDINGS

► Withheld information:
  • Submitted clinical diagnosis of “r/o DLE”

► Final diagnosis:
  • “Changes consistent with discoid lupus erythematosus”

Lichenoid Interface Dermatitis – Archtype: Lichen Planus

Lichenoid Interface Dermatitis – Lichen Planus

Lichenoid Interface Dermatitis – Lichen Planus

Interface Dermatitis – It’s Not Always Dermatitis!

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