Inflammatory Skin Pathology

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Acknowledgements
► A. Bernard Ackerman. Histologic Diagnosis of Inflammatory Skin Diseases. An Algorithmic Method Based on Pattern Analysis.

Inflammatory Skin Pathology

► Introduction – Dr. Frishberg
► Case # 1 – Dr. Frishberg
► Case # 2 – Dr. Cassarino
► Case # 3 – Dr. Sarantopolous
► Case # 4 – Dr. Hillman
► Case # 5 – Dr. Balzer

Inflammatory Dermatopathology by Pattern and Algorithm

► Steps
  • Categorize the pattern
  • Assess the inflammatory cell population
  • Look for specific findings that direct the algorithm as far as it can be taken (analogy to SOAP notes in clinical medicine)
  • Correlate the histologic assessment with known clinical information

Inflammatory Dermatopathology by Pattern and Algorithm

► Superficial Perivascular Dermatitis
► Superficial and Deep Perivascular Dermatitis
► Nodular and Diffuse Dermatitis
► Panniculitis
► Vasculitis
► Folliculitis and Perifolliculitis
► Intraepidermal Vesicular and Pustular Dermatitis
► Subepidermal Vesicular Dermatitis

Inflammatory Dermatopathology by Pattern and Algorithm

► Superficial Perivascular Dermatitis
  • No epidermal involvement
  • Interface
  • Ballooning
  • Spongiotic
  • Psoriasiform
Inflammatory Dermatopathology by Pattern and Algorithm

- Superficial and Deep Perivascular Dermatitis
  - No epidermal involvement
  - Interface
  - Ballooning
  - Spongiotic
  - Psoriasiform

- Nodular Dermatitis
  - Lymphocytes predominate
  - Neutrophils predominate
  - Neutrophils, eosinophils, and plasma cell prominent
  - Eosinophils prominent
  - Histiocytes predominate

- Diffuse dermatitis
  - Lymphocytes predominate
  - Neutrophils predominate
  - Neutrophils, and eosinophils prominent
  - Plasma cell prominent
  - Mast cells predominate
  - Histiocytes predominate

- Panniculitis
  - Mostly septal
  - Mostly lobular

- Vasculitis

- Folliculitis and perifolliculitis
Inflammatory Dermatopathology by Pattern and Algorithm

- Intraepidermal Vesicular and Pustular Dermatitis

Inflammatory Dermatopathology by Pattern and Algorithm

- Subepidermal Vesicular Dermatitis

Patterns of cases discussed tonight