



Submitter(s) and Titles (MD or MD PhD):

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Clinical History:

Persistent and progressive subcutaneous nodules/masses on extremities

Biopsy Fixation Details:

Formalin-fixed, paraffin-embedded

Description of Clinical Image if Any:

Subcutaneous nodules/masses on extremities, resulting in apparent hypertrophy of soft tissue and laxity of skin.

Details of Microscopic Findings:

Lobular panniculitis with atypical lymphocytic infiltrate with characteristic adipocyte rimming.

Immunophenotyping by Immunohistochemistry and/ or Flow Cytometry:

The neoplastic lymphocytes are immunoreactive for CD2, CD3, CD7, CD8, BetaF1, TIA-1, GranzymeB; and negative for Gamma-Delta, CD56, and EBV ISH. Aberrant loss of CD5.

Special Stains:

Cytogenetics:

Molecular Analysis:

Equivocal T-cell receptor gene rearrangement, with suspicious clonotypic peaks in prominent polyclonal background.

Interesting Feature(s) of Submitted Case:

Impressive clinical presentation and characteristic histology.

Proposed Diagnosis:

Subcutaneous panniculitis-like T-cell lymphoma (SPTCL).

Panel Diagnosis:

Subcutaneous panniculitis-like T-cell lymphoma.