



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

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Clinical History:

62 year old female. Scalp lesion noted 11/2009, for which she sought medical care in 02/2010. A "pearly" papule was described by the dermatologist, 2-3 mm in greatest dimension, suggestive of an intradermal nevus. A shave biopsy was performed, followed later by wide excision. No additional skin lesions were noted, nor was there palpable lymphadenopathy or organomegaly. No additional therapy was offered. There were no new symptoms or physical findings noted at her most recent follow-up in 08/2010.

Biopsy Fixation Details:

Formalin

Description of Clinical Image if Any:

None

Details of Microscopic Findings:

Well-circumscribed, nodular infiltrate, extending from superficial dermis to subcutis, sparing the epidermis. Predominance of ovoid/angulated cells, consistent with centrocytes of intermediate to large size. Mitotic figures were easily found. Minor population of admixed, small lymphocytes.

Immunophenotyping by Immunohistochemistry and/ or Flow Cytometry:

By immunohistochemistry, infiltrating cells positive for CD45, CD20, BCL6; negative for CD5, CD10, CD43, BCL2, MUM1, CD30, cyclin D1, CD30, Tdt, CD34. Roughly 50% of infiltrate positive for Ki-67. Minor, background population of small T-cells (CD3+, CD5+, CD43+). Minimal staining for CD21.

Special Stains:

Not done

Cytogenetics:

Not done

Molecular Analysis:

Not done

Interesting Feature(s) of Submitted Case:

Features appear typical of primary cutaneous follicle center lymphoma, including the abundance of cells reminiscent of large centrocytes. To the pathologist initially evaluating this case, these suggested the diagnosis of a mesenchymal, melanocytic, or other non-hematolymphoid, spindle-cell neoplasm.

Proposed Diagnosis:

Primary cutaneous follicle centre lymphoma.

Panel Diagnosis:

Primary cutaneous follicle center lymphoma.