Title: Atypical spindle cell/pleomorphic lipomatous tumors

Presenting author name: Dr. Amir Qorbani

Affiliation details of Presenting author:
Clinical Assistant Professor
University of California San Francisco (UCSF)
USA

Abstract

Atypical spindle cell/pleomorphic lipomatous tumor (ASPLT) is a rare soft tissue neoplasm, commonly arising in the subcutis (more common than deep soft tissue) of limbs and limb girdles during mid adulthood. ASPLT is histologically a lipogenic neoplasm with ill-defined margins composed of a variable amount of spindle to pleomorphic/multinucleated cells within a fibromyxoid stroma. ASCLTs lack MDM2 amplification, but a large subset show RB1 deletion and variable expression of CD34. Though initially thought to be the malignant form of spindle cell lipoma, ASCLTs are benign with local recurrences (~10-15%) and no documented dedifferentiation or metastasis. The diagnosis of ASCPLT, and indeed lipogenic neoplasms as a group is challenging due to the overlapping clinical and morphological features. Therefore, the correct diagnosis requires careful correlation of clinical, imaging, histopathologic, immunohistochemical, and molecular/genetic studies.

Keywords:
Soft tissue, Atypical spindle cell lipomatous tumor, Spindle cell lipoma, Liposarcoma.

Biography

Amir Qorbani MD is the director of Bone and Soft Tissue Pathology at UCSF in San Francisco, California. Dr. Qorbani finished his residency training at UC Davis, and got his fellowship in Bone and Soft Tissue Pathology at UCLA. He has been involved in multiple research projects about Bone and Soft Tissue Pathology, Digital pathology, and the novel ex-vivo microscopy, called MUSE. He presented his works in multiple national and international conferences, and also published multiple book chapters and publications in the field of his interest, Bone and Soft Tissue Pathology.