

A case of high grade Myxofibrosarcoma of the lower leg

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Abstract

Myxofibrosarcoma, also known as myxoid malignant fibrous histiocytoma, is one of the most common fibroblastic sarcomas in the older patient. It occurs mainly in the limbs and there is a tendency for predominantly subcutaneous, multinodular, diffusely infiltrative growth, which may extend to the overlying dermis and present as a cutaneous lesion. A 90-year-old female presented with solitary, 5cm sized, firm, fixed mass on right lower leg with the onset of 2 months ago. The histologic examination of the lesion showed malignant spindle cell tumor with myxoid stroma. Many of the cells were spindle or ovoid shape and elongated curvilinear capillaries were observed. Overall tumor cellularity was high and marked nuclear atypical, more than 20 mitoses per 10 high power field, focal necrosis and hemorrhage were present. CD 34 stain was focally positive in spindle cells, but S100, smooth muscle actin, and pankeratin were negative. Incisional biopsy of the lesion confirmed high grade myxofibrosarcoma. On magnetic resonance imaging and positron emission tomography-computed tomography, there was no distant metastasis. The wide excision with a 1cm margin was performed. The patient was under observation for 6 months without local recurrence. MFS always requires surgery to remove the cancer and a margin of healthy tissue around it. The extent of surgery varies according to tumor size and other characteristics. Radiation therapy usually supplements surgical treatment.

Biography

Yun Ho Lee graduated School of Medicine, Catholic kwandong university, he has worked as resident in Kangbuk samsung hospital, Sungkyunkwan University School of Medicine, Department of Dermatology since 2017



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