PP-112

A rare tumor of the thigh. Inflammatory myofibroblastic tumor of the thigh

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Inflammatory myofibroblastic tumors are uncommon neoplasms; presentation of these tumors in the lower extremities is extremely rare. We present a case of a 47-year-old male with fever, fatigue and a slow-growing thigh mass. The inflammatory markers were elevated and the MR images showed a well-defined inter-muscular lesion in the inter-muscular space between the vastus medialis, the vastus intermediaus and the adductor muscles with mild heterogeneous enhancement. A CT-guided biopsy showed a moderately cellular fibroblastic / myofibroblastic lesion with features suggestive of inflammatory myofibroblastic tumor. The lesion was excised and histologic examination was consistent with an inflammatory myofibroblastic tumor.

Postoperatively, the clinical signs and symptoms regressed, while laboratory tests gradually normalized. No adjuvant treatment was given. One month later an MRI of the thigh was performed showing absence of residual tissue of the preexistent tumour. Consequently, no further treatment was considered necessary.

After 2 years of follow-up, the patient remains asymptomatic with negative laboratory and imaging tests and no signs of recurrence or metastatic disease.