'Tiny Fighter, Rare Battle: Navigating Liposarcoma in littler Warrior'

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INTRODUCTION:

Soft tissue tumors in pediatric patients, especially liposarcoma, are exceptionally rare, constituting only 0.1 per million cases in this age group. We present a unique case of a 10-year-old boy initially presumed to have a benign lesion but later diagnosed with high-grade myxoid pleomorphic liposarcoma.

REPORT:

10-year-old boy, came to our clinic initially complained of painless right thigh swelling, which progressively increased in size over a year. Despite normal ambulation and no constitutional symptoms, the swelling did not improve which led to further evaluation. A firm, non-tender, multilobulated mass measuring 10cm x 8cm, partially attached to the adductor muscle, was observed on examination.

MRI revealed a soft tissue tumor in the right gracilis, prompting concerns for various malignancies. Subsequently, excision biopsy confirmed the diagnosis of myxoid pleomorphic liposarcoma. Fortunately, CTTAP scans showed no distant metastasis. We later scheduled him for chemotherapy.

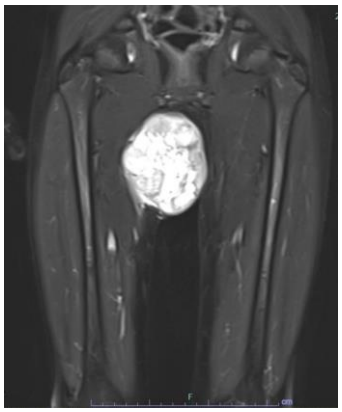

Figure 1: MRI showed intramuscular soft tissue tumor at right gracilis

Figure 2: Cut sections of the tumor showed yellowish area at the center.

CONCLUSION:

In conclusion, this case emphasizes the diagnostic challenges of rare pediatric soft tissue tumors. Imaging, core needle biopsy, and integrated treatment strategies, including surgery and adjuvant therapy, are crucial for optimal outcomes in managing myxoid pleomorphic liposarcoma in this age group.

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