

Pseudotumour the Great Mimickers of Osteomyelitis

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INTRODUCTION:

Pseudotumour is a rare and benign process mimicking a neoplastic processes and can be found in every organ system. It is due to the clinical and imaging finding of the lesion mimic those malignant tumour .

The pathogenesis of pseudotumour is nonspecific. Case reported usually post Total knee/hip replacement where soft tissue and bone was extensively debrided and revision.

We report a case of pseudotumour at popliteal fossa of virgin knee.

CASE REPORT:

A 32 years old lady presented with swelling of popliteal fossa for 1 year and increasing in size gradually. Patient was NKMI and MVA at 15years old and unsure of injury. On examination noted hard swelling extended from popliteal fossa till posterodistal of right thigh, mobile, not attached to underlying structure and numbness of leg.

MRI shown femur cortical thickening with heterogenous intraosseous enhancement and bony sequestrum and cloaca noted .

Thus proceed with excision biopsy. intraOp found cloaca and pus drained ~500cc.

Post operation histopathological result showed negative for malignancy and tissue culture shown streptococcus aerues infection. Post-operative she had completed total 6weeks of antibiotic and wound well healed. Currently patient able to ambulate without aids and ROM knee full.

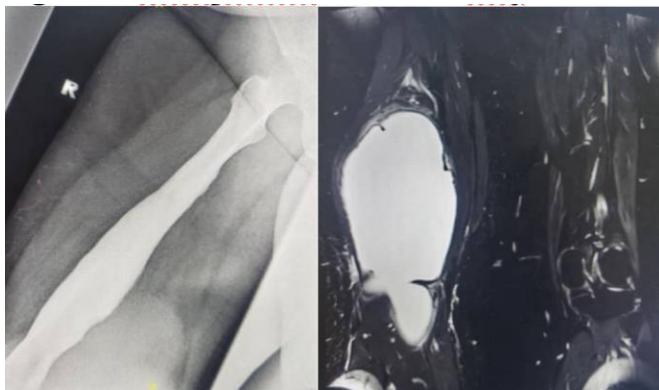


Figure 1: PreOperative MRI and xray



Figure 2: IntraOp finding

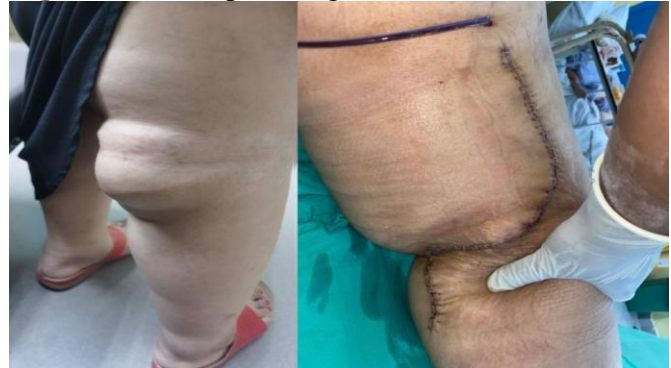


Figure 3: Pre and Post

Discussion

Pseudotumour popliteal fossa is a rare location and non-specific and mimicking tumour in virgin knee. Pseudotumour need radiological and histopathological to confirm diagnosis. In the present case, it revealed large focal solid or semiliquid masses with granulomatous inflammation or fibrocartilaginous tissue mimicking a soft tissue tumour. Surgical resection still remains the standard therapy and follow with antibiotic.

CONCLUSION:

We need a serial imaging and histopathological examination to confirm the diagnosis. Total resection and antibiotic is a must and restore ROM.

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