

Giant Cell Tumour Of Patella: A Case Report

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INTRODUCTION:

Primary patellar tumours are uncommon and may present with anterior knee pain associated with swelling. We have described a rare case of patellar tumour in a mid-aged patient.

REPORT:

53 year old gentleman presented with 1 day history of right knee pain, and treated as undisplaced fracture of patella. Examination noted mild swelling bony tenderness over patella region of right knee and unable to maintain extension of right knee. Plain radiographs showed undisplaced mid-patella transverse fracture. Patient was treated conservatively and cylinder cast was applied. However pain gradually increased with constitutional symptoms after 10 months. Examination noted gross swelling (fig. 1) and bony tenderness over right knee with limited flexion up to 90°. Noted lytic lesion all over right patella (fig.2) with increase in size compared to previous x-ray. MRI confirm with findings of aggressive patella mass with large soft tissue component involving suprapatella, infrapatella and popliteal region (fig.3). Patient was referred to orthopaedic oncology centre and done wide local excision with curettage and cement was done with tissue flap. Biopsy taken concludes giant cell tumour of bone.

CONCLUSION:

The most frequent reported benign patellar tumour is giant cell tumour (GCT), followed by chondroblastoma and aneurismal bone cyst (ABC).¹ Patellar tumors represent an uncommon etiology of anterior knee pain

and their diagnosis is often delayed.² Thus, differential diagnosis for patellar tumors should be considered for persistent unexplained knee pain, particularly in young adult patients.

REFERENCES

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Fig 1. Gross swelling of right knee



Fig 2. Lytic lesion over right patella

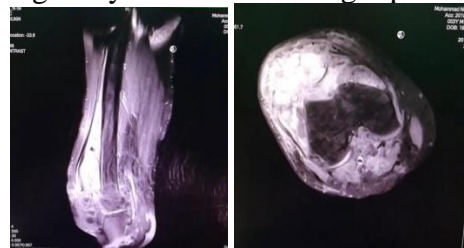


Fig 3. MRI right knee