

KNEE CAPSULE RECONSTRUCTION USING ILIOTIBIAL BAND IN A CASE OF UNDIFFERENTIATED PLEOMORPHIC SARCOMA

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Introduction: Undifferentiated pleomorphic sarcoma (UPS) is the most common soft tissue sarcoma of late adult life. These soft tissue tumors are aggressive and rapidly enlarge. Mainstay of treatment of UPS was surgical resection. Tumour that eroded into the knee joint capsule was mandatory to be excised and removed. Hence, the left-over knee joint capsule needs to be reconstructed back. One of the option was reconstruction of the capsule using iliotibial band.

Discussion: We reported case of a middle age gentleman presented to us for left anterior knee swelling. MRI was done and shows vascular enhancing soft tissue mass eroded into lateral retinaculum ligament of the left knee. Wide local excision and lateral knee capsulectomy was done, and the excised knee capsule was reconstructed using iliotibial band. Patient had satisfactory functional outcome post operatively.

Conclusion: Undifferentiated pleomorphic sarcoma was the commonest soft tissue tumour. Delay in evaluation and management should be avoided as the risk of metastasis increases almost linearly as the tumor enlarges. Iliotibial band was a good choice of lateral knee capsule reconstruction if the tumour had invaded knee lateral knee capsule.