

## Local Recurrence of Undifferentiated Pleomorphic Sarcoma Following Wide Surgical Resection.

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### INTRODUCTION:

Undifferentiated pleomorphic sarcoma (UPS) is high grade, aggressive rare malignant soft tissue tumour of mesenchymal origin <sup>1</sup>. It is very important to treat UPS aggressively to increase patient survival rate. In order to prevent local recurrence, there are multiple prognostic factors that need to be look up.

### REPORT:

64 years old Malay lady, presented with history of progressive swelling over lateral aspect of right knee which was increasing in size without any constitutional symptoms. There was no family history of malignancy. Initially, she was treated as lipoma to rule out soft tissue sarcoma. Proceeded with MRI and tru-cut biopsy which resulted as undifferentiated pleomorphic sarcoma.

**Figure 1: Swelling over lateral aspect of right knee.**



Wide excision biopsy was done, macroscopy and microscopy HPE features were satisfactory and correlated with the diagnosis. Subsequently, patient was referred for skin grafting and radiotherapy. At 4<sup>th</sup> months post-operative follow-up, noted a new swelling developed over surgical site, which was increasing in size. Tissue biopsy was taken and resulted as local

recurrence of pleomorphic sarcoma of the right lower limb. Currently, patient still under our follow-up for further interventions.

**Figure 2: Intraoperative wide resection biopsy picture and local recurrence at surgical site.**



### CONCLUSION:

As conclusion, striving surgery for negative margins, with radiotherapy is the most important prognostic factors to reduce risk of local recurrence<sup>1</sup>. However, there are other factors that need to be consider such as age, hematogenous spread, size and location of UPS. With surgical intervention, the prognosis for patient is 50%-60% 5 years survival rate.

### REFERENCES:

1. Domagoj A. Vodanovich: Predicting the prognosis of undifferentiated pleomorphic soft tissue sarcoma. ANZ Journal of Surgery, Volume 89, issue 9, September 2019, pages 1045-1050.