



**Conference 2008**

**Poster Abstracts**

## **De-differentiated liposarcomas of the extremities**

Authors: Jeys L, Abed R, Sumathi VS, Grimer RJ.

Contact: lee.jeys@btclick.com

The Royal Orthopaedic Hospital, Birmingham

### Aims:

Atypical lipomas or well differentiated liposarcomas of the extremities are common tumours presenting to musculoskeletal tumour units and present a treatment dilemma. The incidence of dedifferentiation to a higher grade tumour of liposarcoma has been variably reported. This study was designed to study the presentation and outcome of this rare tumour.

### Methods:

The clinical and pathological database of the Royal Orthopaedic Hospital were used to identify all patients with dedifferentiated liposarcomas of the extremities. Their records and histology were reviewed.

### Results:

15 cases were identified presenting between 1988-2006. Mean age at presentation was 62 yrs old. 2 patients had superficial liposarcomas. 7 patients had presented with previous atypical lipomas and dedifferentiated occurred at a mean 8.2 yrs after diagnosis, with a mean 2 local recurrences prior to dedifferentiation. 2 patients died from disease at 6 and 86 months from diagnosis of a dedifferentiated liposarcoma. The total number of atypical lipomas seen in the same study period was 355, giving an approximate incidence of 2%.

### Conclusion:

Dedifferentiated liposarcoma is a rare condition which only occurs in 2% of atypical lipomas, we would continue to recommend marginal excision of atypical lipomas.