

Low-grade Fibromyxoid Sarcoma Involving the Brachial Plexus : A Case Report

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INTRODUCTION:

Low-grade fibromyxoid sarcoma (LGFMS) is an uncommon soft tissue tumour, first reported by Evans in 1987 and the prevalence in the head and neck area is quite rare(1). We report a case of LGFMS of the right neck region with involvement of the right brachial plexus.

REPORT:

A 64 years old lady presented with right neck swelling. MRI neck showed right supraclavicular mass which is diffuse,vague, and inhomogenous. (Figure 1).

Wide local excision and right brachial plexus exploration done, and revealed a mass, arising deep to trunk of brachial plexus (Figure 2).

Post-operatively, patient had reduced sensation and power of C5 and C6. Shoulder flexion and extension power was Medical Research Council (MRC) grade 1.

LGFMS presents as a slow-growing, painless , firm mass(3). In this case, the mass involves the right brachial plexus. CT and MRI scan help in detecting the location and extent of tumour (3,4), which is crucial in determining the treatment plan.

Figure 1. MRI of the neck, showing a right supraclavicular mass.

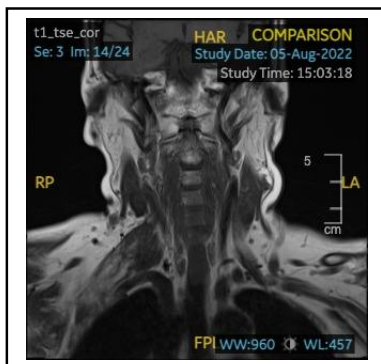
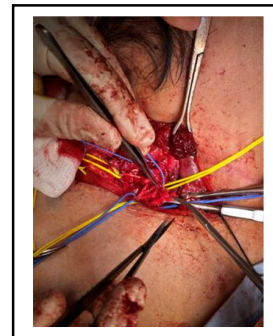


Figure 2. Intraoperative photo showing the right brachial plexus (marked with vessel loops) and the LGFMS mass (marked with forceps).



CONCLUSION:

LGFMS is a difficult tumour to be detected due to its slow growing nature. It is crucial that patients with LGFMS are followed up for a long duration due to its potential of late recurrence or metastasis.

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