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Full Length Research Article

AXILLARY LYMPHNODE METS AFTER BELOW ELBOW AMPUTATION DUE TO RECCURENT GIANT CELL TUMOR –A RARE CASE REPORT

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ABSTRACT

Understanding Giant cell tumor (GCT) of bone has been described as the most challenging benign bone tumors. The majority of these tumors, classically, are involved in the epiphysis of long bones. Although this disorder is benign, GCTs show a tendency of bone destruction, local recurrence and, occasionally, pulmonary metastasis. But axillary lymohnode metastasis is very very rare. Herein, we present an extremely rare case of axillary mets even after below elbow amputation in a case of recurrent giant cell tumor in a 45 yers male residing at Kolkat,.West Bengal. We treat him by radical axillary lumph node dissection.Lymph node histopatho;ogical report shows Tartrate-resistant acid phosphatase (TRAP) activity.

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INTRODUCTION

Giant cell tumor (GCT) of bone is an locally advance benign bone tumor.GCT of bone has been described as the most challenging benign bone tumors. The majority of these tumors, classically, are involved in the epiphysis of long bones. Although this disorder is benign, GCT show a tendency of bone destruction, local recurrence and, occasionally, pulmonary metastasis. But axillary lymohnode metastasis is very very rare. Herein, we present an extremely rare case of axillary mets even after below elbow amputation in a case of recurrent giant cell tumor in a 45 yers male. Residing at Kolkata,.West Bengal. We treat him by radical axillary lumph node dissection.Lymph node histopatho;ogical report shows Tartrate-resistant acid phosphatase (TRAP) activity.

Case study

we are presenting a case of recurrent gient cell tumor affecting distal radius in a 45 years male patient residing at Kolkata, west Bengal at 2013. We confarm our diagnosis by jamshiddi needle biopsy.

*Corresponding author: Dr. Saikat Sau, Orthopaedics-Senoir Resident, I.P.G.M.E &R Kolkata, India As per decision of tumor board, we paln for below elbow amputation. Because skin, soft tissue and tendon affected. After 8 months he came back with painfull matted axillary lymph node swelling . With the help of general surgery we plan for radical axillary lymph node dissection.we had done HRCT thorax to rulled out pulmonary metastasis.which was disease free. Sample send for confarmation and immunohistochemistry. HPE report shows malignant giant cell which sensitive to Tartarate registant acid Phosphatage, confarmatoin for relase malignant gient cell.

DISCUSSION

Gient cell tumor is well known for reccurence.distal radius is also one of the common site for G.C.T.Though with rent advancement of operative technique, using high speed bur, argon leaser, liquid nitrogen, criotherapy reccurence rate decreases. Multicentric giant cell, and pulmonary metastasis are rare. Regional lymph node metastasis Is very rare. Here we had to sacrifice his functional hand to get rid him for prolong morbidity and long time treatment. But after 8 months he came back to us with severe anxiety because of axillary swelling. It is very rare incident that after amputation axillary lymph node became affected. May be at the time of amputation micro-metastasis happened.



Fig. 1. Post op picture picture after frist operation. Ressection and reconstruction by fibular head





Fig. 2 and 3. Shows malignant looking mass over distal radius



Fig. 4. Osteolysis ograft



Fig. 5. Below elbow amputation



Fig. 6.



Fig. 7.



Fig. 8.

Fig 6. Shows axillary lymphadenopathy, Fig-7-dissection, Fig-8 histopathology –gient cell



Fig. 9. TRAP sensitive malignant giant cell.found in axillary lumph node









Fig. 11.

Which can not detected clinically or radiologically at that time. After a certain time it enlarge enough to palpate clinically.

Conclusion

Giant cell tumor is well known for its high chance of reccurence. We are presenting this case only because of atypical lymph node metastasis of giant cell tumor, not because of its reccurence. So take home massage is during planning of treatment for recurrent G.C.T we should exclude regional as well as distance metastasis. Though it is rare occation, but we should think of this, other wise we can miss the bus.

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Fir -10, Fig-11 shows chest x ray and HRCT no metastasis