

WHERE IS MY CLAVICLE? MULTIPLE MYELOMA MANIFESTATION IN BOTH CLAVICLES.

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Introduction: Multiple myeloma is a common primary malignancy which affects the bone marrow almost exclusively in adults. However, tumorous lesions around the clavicle are very rare.

Discussion: A 56 years old lady was presented complaining of shortness of breath with stridor for 2 days. Further examination noted swelling over her skull, left mandible, left knee and anterior chest wall. Urgent bronchoscopy showed subglottal mass obstructing her airway, thus she underwent emergency tracheostomy by ENT team, with biopsy taken over her subglottal mass. Post operatively, she was referred to ortho team for further workup. Further history, she complained as well of bilateral pain over both her clavicles. Her left knee x-ray showed degenerative changes, however her chest x-ray noted expansile lytic lesion over her bilateral clavicles. Her blood investigation noted elevated serum calcium of 2.61, elevated PTH of 9.21. Her HPE result from her subglottal mass showed plasma cell neoplasm consistent with extraosseous infiltrates of plasma cell myeloma. Her urine electrophoresis showed IgG Kappa paraproteinaemia, suggestive of Multiple Myeloma. Her bone scan showed increased tracer uptake over her bilateral clavicles, right sternoclavicular joint, multiple ribs and left patella. She was counseled for BMAT, unfortunately she refused for further investigation.

Conclusion: Multiple myeloma (MM) is a malignant lymphoproliferative B-cell disease characterized by the accumulation of monoclonal plasma cells in the bone marrow and development of skeletal complications in more than 80% of patients. Common sites of bony manifestations are the skull, spine, sternum and rib cage, upper and lower extremities. This case report is to highlight that the clavicle may also be a site for manifestation of multiple myeloma.