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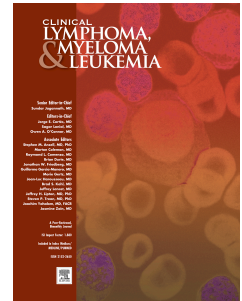
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Extramedullary cardiac-multiple myeloma – a case report and a contemporary review of the literature

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ABSTRACT:

INTRODUCTION/BACKGROUND: Multiple myeloma (MM) is characterized by a clonal proliferation of plasma cells. Although the bone marrow is the usual site of involvement, Extramedullary Plasmacytomas (EMP) also occur, affecting any tissue. Cardiac and pericardial involvement, though described, are rare occurrences.

METHODS: We present a case of a 61 year old female patient 47 days post autologous stem cell transplant for multiple myeloma who developed cardiac tamponade due to extramedullary recurrence of myeloma, pulmonary embolism and Takotsubo cardiomyopathy. We performed a literature review of all cases of multiple myeloma presenting at diagnosis or relapse with cardiac or pericardial involvement in the past 25 years. Including our case, 34 patients with plasmacytoma involving cardiac or pericardial structures were identified from the literature search.

RESULTS: There were approximately equal numbers of cases of males and females (42% and 57% respectively). Mean age was 62 years. Primary plasmacytomas accounted for 12% of cases. Previous history of MM, EMP or monoclonal gammopathy of uncertain significance was noted in two-thirds

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