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Poster Abstracts

Chemotherapy in Metastatic Osteosarcoma with pericardial infiltration

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Introduction:

Management of metastatic Osteosarcoma in elderly patients can be challenging. We present a case of metastatic Osteosarcoma with pericardial infiltration who has been successfully treated with chemotherapy.

Case history:

A 66 year old male was diagnosed with high grade Osteosarcoma of left tibia in January 2006. Patient underwent below knee amputation and the tumour was clear of resection margins. Patient declined adjuvant chemotherapy and was on regular follow-up. He developed pulmonary metastases in March 2007 and eventually agreed in May 2007, for chemotherapy as per EUROBOSS protocol. Patient started to have supraventricular tachycardia which was difficult to control with anti-arrhythmic drugs. CT scan of thorax revealed tumour involving left atrium. Patient also had temperature spikes with no evidence of sepsis, possibly due to muranic endocarditis.

In view of his extensive disease and limited therapeutic options, the chemotherapy schedule was modified and he was administered Ifosfamide and Cisplatin with close monitoring of his haemodynamic status. Patient reverted back to sinus rhythm and in subsequent cycles was administered Doxorubicin and Cisplatin. Patient then proceeded with chemotherapy as per EUROBOSS protocol and his only toxicity was Grade 3 thrombocytopenia requiring a dose reduction. Having completed 2 cycles of chemotherapy, he has had excellent response and is now being considered for resection of pulmonary metastases.

Conclusion:

Elderly patient with metastatic osteosarcoma can benefit from patient tailored chemotherapy with close monitoring.
