

METACHRONOUS OSTEOSARCOMA: A RARE CASE REPORT

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ABSTRACT

Osteosarcoma is a common primary sarcoma of the bone, constituting approximately 0.07% of all neoplasms. Rarely, some patients with osteosarcoma have multiple skeletal sites involvement, either synchronous or metachronous. Metachronous osteosarcoma is a rare form of osteosarcoma in which osteosarcomatous lesions occur distant from the primary osteosarcoma site more than six months after the initial treatment without pulmonary manifestation. Case Report: We present a case of metachronous osteosarcoma in a 16-year-old female who was initially treated for non-metastatic osteosarcoma of the left distal femur with neoadjuvant chemotherapy, wide excision, endoprosthesis and followed by adjuvant chemotherapy. The serial follow-up did not show evidence of distant metastasis. Nevertheless, she presented three years later with a progressively enlarging left proximal forearm mass and re-staging revealed osteosarcoma of the same histological type. She underwent a combination of chemo- and radio-therapy but subsequently succumbed to the disease due to lung metastasis. With the advent of diagnostic and therapeutic techniques, the 5-year survival rate of non-metastatic osteosarcoma ranges around 60-70%. Albeit it is rare, metachronous osteosarcoma can present difficult challenges to the treating physician.

Keywords: Metachronous Osteosarcoma, Case Report