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Orthopedic manifestations of lymphoma: A case series of 84 patients

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We retrospectively reviewed the EMRs of 84 patients that presented with a documented diagnosis of lymphoma to the orthopedic oncology departments of Sinai Hospital of Baltimore and Medstar Franklin Square Medical Center from 1999-2015. The inclusion criteria consisted of a documented medical history of lymphoma or subsequent diagnosis of lymphoma of bone, soft tissue, or both following diagnostic tests. The exclusion criteria consisted of an absence of a documented diagnosis of lymphoma. We also reviewed patients' imaging studies such X-rays, CT-scans, MRI, and PET/CT. Other variables recorded were the patients' sex, race, site of neoplasm, bone involvement, soft tissue involvement, chief complaint, contributing factors, date of onset of symptoms, blood panel, bone scans, chemotherapy and/or radiation therapy regimens, full list of medication, age at diagnosis, date of diagnosis, and lymphoma staging. Among the results recorded was the fact that 50 patients (59.52%) presented with a chief complaint of pain. The most prevalent lymphoma subtype was diffuse large B cell lymphoma (42 patients, 50.00%). The time elapsed since the debut of symptoms to final diagnosis ranged from 9 days to 4 years with an average of 7.99 months. The radiological findings consisted of calcifications, osteolytic lesions and varying degrees soft tissue invasion. The purpose of this study is to present the main characteristics of patients that present with lymphoma to orthopedic departments in hopes of avoiding unnecessary test procedures that lead to delays in diagnosis and treatment.

Biography

Cristian Cazac is a 5th year Medical student at the University of Medicine and Pharmacy "Carol Davila" in Bucharest, Romania. He has presented his work at two Medical Congresses and has attended many conferences. He has published 4 medical articles and has been the Consultant Student Editor for the medical journal titled *Journal of Medicine and Life*. He has participated in electives, observerships, volunteerships and medical research at Mercy Medical Center in Baltimore, Sinai Hospital of Baltimore, and Medstar Franklin Square Medical Center.

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