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Bone Tumor Metastasis, Pathogenesis, Diagnosis and Therapeutics

Da-Yong Lu[1]* and Jin-Yu Che[2]

[1,2]*School of Life Sciences, Shanghai University, Shanghai200444, China*

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Corresponding author: Da-Yong Lu, School of Life Sciences, Shanghai University, Shanghai200444, China

Abstract

Bone cancer and metastasis need new knowledge and pathogenesis insights. Plenty of cancer patients with osteosarcoma and cancer metastasis show great pain and low survival intervals. Facing critical challenge of bone-related cancer, disease diagnosis and treatment needs improved and cutting-edge techniques. To improve patient's treatment, overall situations and sustainable medication should be focused in this editorial.

Keywords: Bone Cancer; Neoplasm Metastasis; Drug Treatment; Clinical Diagnosis; Bone Tumor

Introduction

Cancer is the secondary leading mortality for all diseases worldwide. Neoplasm metastasis plays leading role for patient's deaths [1-4]. Bone cancer and metastasis need new knowledge and pathogenesis insights. A lot of cancer patients with osteosarcoma and cancer metastasis show great pain and low survival intervals. Facing critical challenge of bone-related cancer, disease diagnosis and treatment needs improved and cutting-edge techniques. To improve patient's treatment, overall situations and sustainable medication should be focused [5]. Human bone tissue is one of common tissues for metastatic tumor outgrowths [5-8]. To avoid devastating features of bone cancer and metastasis, pathogenesis and diagnostic relations should be boosted, especially in areas of drug treatment studies.

Clinical Treatment Studies

There are a lot of different anticancer drugs in the clinic. At present, drug treatment and combinations are first choice. To accelerate this research, drug response predictions in the clinic is modern and challenging and should be placed on the high agenda [9-16]; In experimental study, we can receive data of drug responses from animals. Clinical diagnostics is difficult for evaluation of drug responses due to unstable of diagnostic profiles, especially in image evaluations. Blood circulatory tumors or their biomarkers are new hopes for therapeutic selection and successes [9-13]. These diagnostic and management tools should be developed.

Diagnostic Progress

Drug treatment for metastatic diseases has different categories [3]. The association and relationship between diagnosis and drug responses should be built in the future. Personalized medicine and precision oncology is a useful drug selection paradigm and, in the future, [17-24]. This emerging medical ideas, techniques, and system is progressing rapidly [25-33]. Future advancement in this issue should be greatly expected, especially from traditional medicine [34].

Conclusion

Clinical cancer diagnostic study should focus on technical advances. New knowledge and technology should be introduced. Many new discoveries can be found via above-mentioned approaches.

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