

GDF15在肿瘤骨转移中的作用及机制的研究进展

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Title: The role and mechanism of GDF15 in tumor bone metastases

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摘要: 恶性肿瘤患者常常死于肿瘤转移所造成的并发症而非原发灶,在我国,居民防癌意识不强,大量的患者在就诊时已处于肿瘤的晚期阶段,因此恶性肿瘤的死亡率持续升高。肿瘤常转移到骨组织,一旦发生骨转移,SREs等并发症将严重降低患者生活质量。然而,现阶段对于肿瘤骨转移的诊疗水平却十分有限,其相关机制更是知之甚少。GDF15在肿瘤中的作用被我们逐渐认识,而它同时又在包括骨转移在内的几种骨相关疾病中被报道,因此GDF15极有可能在肿瘤骨转移中扮演重要角色。本文将对GDF15在肿瘤骨转移及相关疾病中的争议作用和机制作一综述。

Abstract: Patients with malignant tumors often die of complications caused by tumor metastases rather than primary lesions. People in China often have a weak awareness of preventing cancer. A large number of patients are at the advanced stage of the tumor at the time of treatment, so the mortality rate of malignant tumors continues to rise. Tumors often metastasize to bone tissue, once bone metastases occur, complications such as SREs will severely reduce the quality of life of patients. However, at this stage, the level of diagnosis and treatment of tumor bone metastases is very limited, and the relevant mechanism is less known. The role of GDF15 in tumors has been recognized gradually, and it has also been reported in several bone-related diseases including bone metastases. Therefore, GDF15 is very likely to play an important role in tumor bone metastasis. This article will review the controversial role and mechanism of GDF15 in bone metastases and related diseases of tumors.

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