Accepted Manuscript

Full length article

Molecular and cellular mechanisms for zoledronic acid-loaded magnesiumstrontium alloys to inhibit giant cell tumors of bone

Mei Li, Weidan Wang, Ye Zhu, Yao Lu, Peng Wan, Ke Yang, Yu Zhang, Chuanbin Mao

 PII:
 S1742-7061(18)30422-7

 DOI:
 https://doi.org/10.1016/j.actbio.2018.07.028

 Reference:
 ACTBIO 5577

To appear in: Acta Biomaterialia

Received Date:14 April 2018Revised Date:9 July 2018Accepted Date:14 July 2018



Please cite this article as: Li, M., Wang, W., Zhu, Y., Lu, Y., Wan, P., Yang, K., Zhang, Y., Mao, C., Molecular and cellular mechanisms for zoledronic acid-loaded magnesium-strontium alloys to inhibit giant cell tumors of bone, *Acta Biomaterialia* (2018), doi: https://doi.org/10.1016/j.actbio.2018.07.028

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Molecular and cellular mechanisms for zoledronic acid-loaded magnesium-strontium alloys to inhibit giant cell tumors of bone

Mei Li^{a,1}, Weidan Wang^{b,c,1}, Ye Zhu^d, Yao Lu^e, Peng Wan^{b,*}, Ke Yang^b, Yu Zhang^{a,*}, Chuanbin Mao^{d,f,*}

- a. Department of Orthopedics, Guangdong General Hospital, Guangdong Academy of Medical Sciences, Guangzhou 510080, China
- b. Institute of Metal Research, Chinese Academy of Sciences, Shenyang 110016, China
- c. University of Chinese Academy of Sciences, Beijing 100049, China
- d. Department of Chemistry & Biochemistry, Stephenson Life Sciences Research Center, Institute for Biomedical Engineering, Science and Technology, University of Oklahoma, Norman, OK 73019, USA
- e. Department of Orthopedics, Guangdong Key Lab of Orthopaedic Technology and Implant Materials, Guangzhou General Hospital of Guangzhou Military Command, Guangzhou 510010, China
- f. School of Materials Science and Engineering, Zhejiang University, Hangzhou, Zhejiang 310027, China

*Corresponding authors: Yu Zhang; Peng Wan; Chuanbin Mao *E-mail addresses*: luck_2001@126.com (Y. Zhang); pwan@imr.ac.cn (P. Wang);
cbmao@ou.edu (C. Mao)

¹These authors contributed equally to this work

Download English Version:

https://daneshyari.com/en/article/8941197

Download Persian Version:

https://daneshyari.com/article/8941197

Daneshyari.com