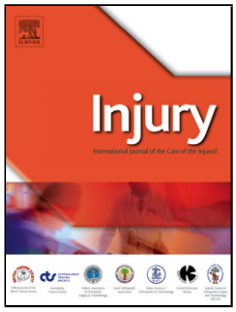

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PII: S0020-1383(18)30351-6
DOI: https://doi.org/10.1016/j.injury.2018.06.040
Reference: JINJ 7742

To appear in: *Injury, Int. J. Care Injured*

Received date: 14-12-2017
Revised date: 5-5-2018
Accepted date: 30-6-2018

Please cite this article as: Wu Z, Shao P, Dass CR, Wei Y, Systemic leptin administration alters callus VEGF levels and enhances bone fracture healing in wildtype and ob/ob mice, *Injury* (2018), https://doi.org/10.1016/j.injury.2018.06.040

Systemic leptin administration alters callus VEGF levels and enhances bone fracture healing in wildtype and ob/ob mice

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Abstract

Introduction: Leptin's role in bone formation has been reported, however, its mechanism of affecting bone metabolism is remaining unclear. In this study, we aimed to test whether leptin has a positive effect on fracture healing through the possible mechanism of increasing vascular endothelial growth factor (VEGF) expression in callus tissue.