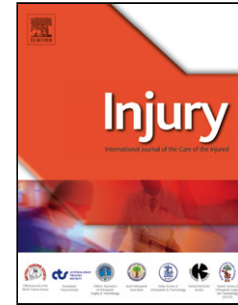


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Evaluation of bone turnover markers and serum minerals variations for predicting fracture healing versus non-union processes in adult sheep as a model for orthopedic research

Cristina P. Sousa¹, Mónica Lopez-Peña², Fernando M. Guzón², Humberto V. De Abreu³, Maurino R. Luís³, Carlos A. Viegas^{3,4}, José Camassa³, Jorge T. De Azevedo^{5,6}, António S. Cabrita⁷, Rui L. Reis^{8,9}, Manuela E. Gomes^{8,9}, Isabel R. Dias^{3,4}

¹Center Hospitalar of Porto, Largo Prof. Abel Salazar 4099-001 Porto, Portugal

²Department of Veterinary Clinics Sciences, Faculty of Veterinary Medicine, University of Santiago de Compostela, University Campus, Av. Carballo Calero, 27002 Lugo, Spain

³Department of Veterinary Sciences, Agricultural and Veterinary Sciences School (ECAV), University of Trás-os-Montes and Alto Douro (UTAD), Quinta de Prados, 5000-801 Vila Real, Portugal

⁴CITAB – Centre for the Research and Technology of Agro-Environmental and Biological Sciences, UTAD, Vila Real, Portugal

⁵Department of Animal Sciences, ECAV, UTAD, Vila Real, Portugal

⁶CECAV – Centre for Animal Sciences and Veterinary Studies, UTAD, Vila Real, Portugal

⁷Institute of Experimental Pathology, Faculty of Medicine, University of Coimbra, Rua larga, 3004-504 Coimbra, Portugal

⁸3B's Research Group – Biomaterials, Biodegradables and Biomimetics, University of Minho, Headquarters of the European Institute of Excellence on Tissue Engineering and Regenerative Medicine, AvePark, 4806-909 Taipas, Guimarães, Portugal

⁹ICVS/3B's - PT Government Associate Laboratory, Braga/Guimarães, Portugal

Abstract

Bone turnover markers (BTMs) have been considered as an auxiliary method of following the fracture healing process and for early prediction of impaired bone healing. A better understanding of the potential of BTMs in this application could allow for earlier interventions and improved patient care. The aim of this study with a large animal experimental model was to assess the variation of bone formation markers – namely the total alkaline phosphatase (ALP) and its bone-specific isoform (BALP),

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