

Application of Allogenic Adipose-Derived Multipotent Mesenchymal Stromal Cells from Cat for Tibial Bone Pseudoarthrosis Therapy (Case Report)

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Abstract

© 2016, Springer Science+Business Media New York. A clinical case reported here demonstrates the possibility of using the multipotent mesenchymal stromal cells obtained from the donor animal to stimulate the process of bone formation in surgical treatment of tibia pseudoarthrosis in the cat. The cells were isolated from adipose tissue of the donor cat and express on their surface main markers of mesenchymal stromal cells—CD 44 and Thy-1. As a result of manipulation, the bone regenerate was formed and the support function of the injured limb was restored.

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Keywords

Mesenchymal stromal cells, Pseudoarthrosis

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