Cellular Transplantation and Tissue Engineering 2013 vol.8 N3, pages 116-118

Use of stromal vascular fraction of adipose tissue for treatment of femur pseudoarthtosis: Case report

Masgutov R., Salihov R., Plaseichuk Y., Salafutdinov I., Rizvanov A., Bogov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The article presents a case report of successful treatment of pseudarthrosis of the femur with the use of autologous cells of the stromal vascular fraction (SVF) derived from adipose tissue. Autologous SVF cells mixed with fibrin glue were transplanted into bone defect by injection under the control of electro-optical converter. Two months after injection, the patient reported the disappearance of pain. After 4 months we observed the recovery of function of the knee, X-ray shows signs of the fracture healing through the formation of bone callus. © Human stem cells institute, 2013.

Keywords

Autologous transplantation, Cells from the stromal vascular fraction of adipose tissue, Femur pseudarthrosis