

Title (en)

AUTOLOGOUS MARROW STEM CELL (MSC) TRANSPLANTATION FOR MYOCARDIAL REGENERATION

Title (de)

AUTOLOGE-KNOCHENMARKVORLAUFZELL TRANSPLANT ZUR HERZMUSKELREGENERIERUNG

Title (fr)

TRANSPLANTATION DE CELLULES SOUCHES (MSC) DE MOELLE OSSEUSE AUTOLOGUES EN VUE DE LA REGENERATION MYOCARDIQUE

Publication

**EP 1221956 A2 20020717 (EN)**

Application

**EP 00963823 A 20000928**

Priority

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- US 15670099 P 19990930

Abstract (en)

[origin: WO0122978A2] The present invention relates to a method of improving cardiac function in a patient with heart failure without eliciting an immune response and without sacrificing the patient's skeletal muscle; which comprises the step of transplanting autologous bone marrow stroma cells (MSCs) into said patient's myocardium to grow new muscle fibers. The method may further comprise the step of using cell labeling technique to confirm survival and differentiation of implanted MSCs, and to identify said MSCs phenotype by both morphology and molecular markers. The method may further comprise examining the effects of the micro-environment of implanted MSCs on their differentiation and phenotype expression. The method may further comprise examining functional contribution of MSCs implanted into an ischemic segment of the myocardium.

IPC 1-7

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IPC 8 full level

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