Long-term results of intracoronary transplantation of autologous bone marrow cells in dilated cardiomyopathy

Resultados a largo plazo del trasplante intracoronario de células mononucleares de médula ósea autólogas en pacientes con cardiopatía dilatada de

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© 2015, Sociedad Medica de Santiago. All rights reserved. Background: Intracoronary delivery of autologous bone marrow mononuclear cells is an interesting therapeutic promise for patients with heart failure of different etiologies. Aim: To evaluate the long-term safety and efficacy of this therapy in patients with dilated cardiomyopathy of different etiologies under optimal medical treatment.

Patients and Methods: Prospective, open-label, controlled clinical trial. Of 23 consecutive patients, 12 were assigned to autologous bone marrow mononuclear cell intracoronary transplantation, receiving a mean dose of $8.19 \pm 4.43 \times 10^6$ CD34+ cells. Mortality, cardiovascular readmissions and cancer incidence rate, changes in functional capacity, quality of life questionnaires and echocardiographic measures from baseline, were assessed at long-term follow-up ($37.7 \pm 9.7$ months) in patients receiving or not the cells. Results: No significant differences were observed in mortality, cardiovascular read