

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

Bartolucci, Jorge

Verdugo, Fernando J.

Carrion, Flavio

Abarzúa, Ema

Goset, Carlos

Lamich, Rubén

Sanhueza, Patricio

Pedrerros, Pablo

Nazzal, Carolina

Khoury, Maroun

Figueroa, Fernando E.

© 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 ± 9.7 months) in patients receiving or not the cells. Results: No significant differences were observed in mortality, cardiovascular read