

# Effectiveness of autologous mononuclear cells implant in patients with chronic periodontitis Eficacia del implante de células mononucleares autólogas en el tratamiento de la periodontitis crónica

Borrego, Amparo Pérez

Ortueta, Zaida Teresa Ilisástigui

Ramírez, Porfirio Hernández

Delgado, Norma Fernández

Iglesias, Ana Iris González

Suárez, Tania González

Arrozarena, Odalis Salgado

Méndez, Andy Caballero

Ilisástigui, Alina López

Díaz, Rosa M.Lam

Val

Introduction: over the last years, in Cuba and other countries, encouraging results have been obtained in different medical specialties in the field of tissue regeneration by implanting stem cells; it has motivated us to consider periodontal tissue as a target for this therapy. Objective: To determine the efficacy of the implant of mononuclear autologous cells for the treatment of 48 months evolution chronic periodontitis. Material and Methods: 30 patients attending the Periodontology Clinic of the "Enrique Cabrera" hospital for over 48 months during years 2008 to 2014 were included in the study, divided into two groups 15 patients each: group A were treated with autologous mononuclear cells and group B, who underwent classic therapy. The peripheral blood autologous mononuclear cells (MNC-SP) were mobilized with granulocyte colony-stimulating factor (G-CSF). Results: group A patients showed a significant average decrease in all clinical variables, more remarkable in every of the evolu