DEVELOPMENTAL PROGNOSIS METHOD OF RHEUMATOID ARTHRITIS

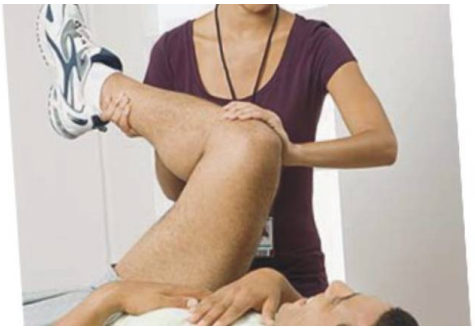
Description:

Currently there are no early diagnostic methods that detect rheumatoid arthritis (RA) because the diagnosis of this disease can be complicated in its early stages because the first signs and symptoms are similar to many other chronic inflammatory autoimmune diseases. In the research results that have given rise to this patent, a microbiota population has been identified that is increased in patients with RA and decreased in healthy patients. For this reason, these populations have been chosen for the early diagnosis of suffering from an autoimmune inflammatory disease. The chosen microorganisms can act as biomarkers of RA, which allow us to differentiate the severity or degree of activity of the disease. Likewise, it is contemplated to develop commercial diagnostic kits such as probiotic, prebiotic and nutraceutical substances with said bacteria in order to improve the patient's microbiota profile and finally the problems associated with the disease.

Keywords:
Arthritis, Gut Microbiota, Rheumatoid Arthritis, Inflammation, Autoimmune

Sectors:
Biotechnology, Health

Areas:
Health Sciences, Diagnosis, Therapeutics, Biotechnology



Advantages:

This method has the following advantages: It allows differentiating the degree of activity and severity of the disease, in order to predict the prognosis of these patients. It consists of a relatively inexpensive and non-invasive test that could improve the diagnosis and prevention of the disease. It represents a cost-effectiveness improvement for the health system and the general population. Improves the quality of life of patients by changing their microbial profile.

Uses and Applications:

Prognosis method in autoimmune diseases, specifically the patent refers to a method of prognosis and prevention of rheumatoid arthritis.

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Filing Date: 28/01/2019

Protection Level: Worldwide (PCT countries)

Processing Status: Wordwide (PCT countries) protection application