

Genetics of ankylosing spondylitis [Genética, HLA-B27 y espondilitis anquilosante: 40 años]

Castro-Santos P.

Gutiérrez M.A.

Díaz-Peña R.

Ankylosing spondylitis (AS) is a prototypical inflammatory disease of the locomotor system affecting axial skeleton. It is part of the general group of spondyloarthropathies (SpA). Its strong association with histocompatibility antigen HLA-B27 is known since 1973. However, HLA-B27 contribution to AS genetic risk is approximately 16%. Therefore, other genes are necessarily involved in the pathogenesis of the disease. Genomic development and the possibility of making genome wide screening have contributed enormously to the study of the disease. In this paper, we describe the actual knowledge about AS genetic risk, which has contributed to understand the influence of HLA-B27 on the etiology and pathogenesis of the disease. We also intend to foresee how these findings will result in an improvement of patients? quality of life. © 2014, Sociedad Medica de Santiago. All rights reserved.

Ankylosing

Genetic predisposition to disease

HLA-B27 antigen

Spondylitis

HLA B27 antigen

ankylosing spondylitis

female

genetic predisposition

genetics

human

male

Female

Genetic Predisposition to Disease

HLA-B27 Antigen

Humans

Male

Spondylitis, Ankylosing