

THE ROLE OF OXIDATIVE STRESS IN INFLAMMATION IN PATIENTS WITH RHEUMATOID ARTHRITIS IN THI-QAR PROVINCE

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ABSTRACT

The aim of this study is to determine the level of blood markers of cellular oxidative stress and then to establish the oxidative profile in 145 patients with rheumatoid arthritis (RA). The samples of the study include patients with RA. They were achieved four or more of the criteria of the 2010 American College of Rheumatology, the sample of the study was conducted to fifty persons apparently healthy volunteered to perform the test of this study. We determined the plasmatic levels of malondialdehyde, compared with the inflammatory parameters.

Results: in comparison to controls, patients with juvenile rheumatoid arthritis presented high concentrations of lipid per oxidation products (determined by plasmatic levels of malondialdehyde). concluded our results which indicate the presence of molecular damage determined by oxygen free radicals in patients with rheumatoid arthritis.

KEYWORDS: Free Radicals, Inflammation, Malondialdehyde (MDA), Rheumatoid Arthritis, ROS