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Name of Journal: *World Journal of Experimental Medicine*

Manuscript NO: 32948

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Basic Study

Treg/Th17 cell balance and phytohaemagglutinin activation of T lymphocytes in peripheral blood of systemic sclerosis patients

Ekaterina Krasimirova, Tsvetelina Velikova, Ekaterina Ivanova-Todorova, Kalina Tumangelova-Yuzeir, Desislava Kalinova, Vladimira Boyadzhieva, Nikolay Stoilov, Tsvetelina Yoneva, Rasho Rashkov, Dobroslav Kyurkchiev

Abstract

AIM: To investigate T-cell activation, the percentage of peripheral T regulatory cells (Tregs), Th17 cells and the circulating cytokine milieu profile in systemic sclerosis (SSc).

METHODS: We enrolled a total of 24 SSc patients and 16 healthy controls in the study

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journals.sagepub.com/doi/pdf/10.1177/1352458510381256

Methods: Blood mRNA expression of TBX21, GATA3, RORC, FOXP3 and ... Expression of TBX21 (Th1) and RORC (Th17) did not differ between patients ... in disease development by permitting activation of harmful T cell populations. ... CD4⁺CD25^{hi} regulatory T cells (Tregs)18 is directed ... of systemic immune deviation.

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