



POSTER PRESENTATION

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# PReS-FINAL-2280: Lupus disease activity in a pediatric Colombian cohort with systemic lupus erythematosus

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From 20th Pediatric Rheumatology European Society (PReS) Congress  
Ljubljana, Slovenia. 25-29 September 2013

## Introduction

Systemic Lupus Erythematosus (SLE) is disease which may have severe and variable activity in the pediatric population.

## Objectives

compare the index of activity in two times at cohort of pediatric patients with SLE.

## Methods

Analytic descriptive study. 89 patients with diagnosis SLE (1986 ACR criteria) from a rheumatology center at a pediatric hospital were evaluated at the time of diagnosis and twelve months after. Medical records were reviewed registering the following variables: score SLEDAI, Antinuclear antibodies (ANAs), Anti-DNA antibodies and complement C3 and C4 levels. Analysis was done through parametric and non parametric tests to compare means and proportions using STATA11. Shapiro-Wilk and Wilcoxon tests (non-normally distributed data) were applied.

## Results

Median score SLEDAI at the time of diagnosis was 23 (min 4 max 61); after 12 months it was 4 (min 0 max 31) ( $p = 0.001$ ). Antinuclear antibodies (ANAs) reactivity at the diagnosis was 88,1%; after 12 months it was 6,67% ( $p = 0.17$ ). Anti-DNA antibodies reactivity at the diagnosis was 66,7%; after 12 months it was 56,41% ( $p = 0.01$ ). C3 level was diminished in 67,95% of patients at the diagnosis; after 12 months it was diminished in 33,3% of patients ( $p = 0.01$ ). C4 level was diminished in

71,7% of patients at the diagnosis; after 12 months it was diminished in 40% of patients ( $p = 0.01$ ).

## Conclusion

Statistical significance was documented regarding score SLEDAI, Anti-DNA antibodies reactivity, hypocomplementemia for the time of diagnosis and twelve month follow-up. This suggests that improvement in disease activity was due to the established treatment.

## Disclosure of interest

None declared.

Published: 5 December 2013

doi:10.1186/1546-0096-11-S2-P270

Cite this article as: Diaz Maldonado *et al.*: PReS-FINAL-2280: Lupus disease activity in a pediatric Colombian cohort with systemic lupus erythematosus. *Pediatric Rheumatology* 2013 **11**(Suppl 2):P270.

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