



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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