



Evaluation of Topical Vitamin B12 for the Treatment of Childhood Atopic Dermatitis

Ronald Januchowski, D.O.
Spartanburg Regional Family
Medicine Residency Program



Methods and Design

- Double-blinded, Randomized Controlled Trial
- Children under 18 years old
- Inclusion / exclusion criteria
- Interindividual comparisons
- Intervention vs. placebo
- Modified SCORAD system



Methods and Design

- Modified SCORAD system
 - Validated in children with eczema
 - 6 objective findings
 - 3 subjective findings
 - 0-3 points each category (0-27 total)



Methods and Design

- Total enrollment – 21 patients
- Baseline, 2 week and 4 week data collected by one investigator

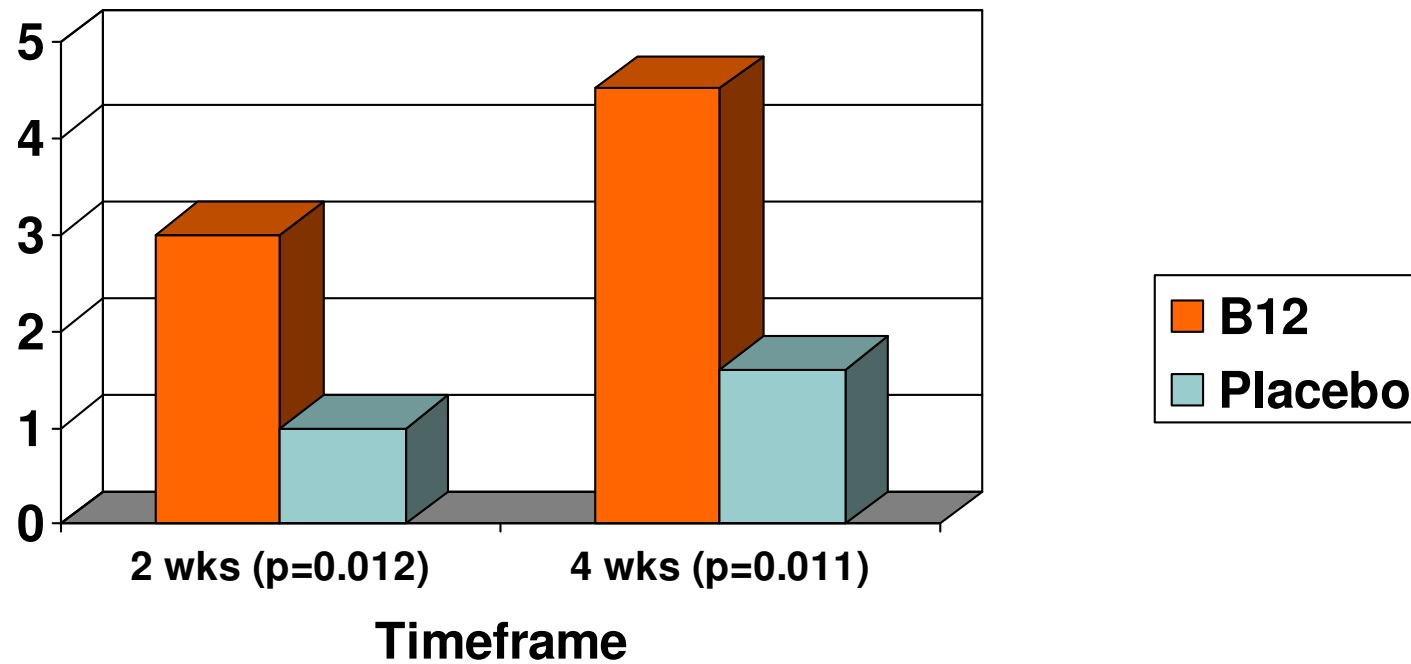


Results – Table 1

	Age	Baseline SCORAD
B12	1326 days (range 157-5162)	13.19 (range 5-24)
Placebo		12.57 (range 5-24)

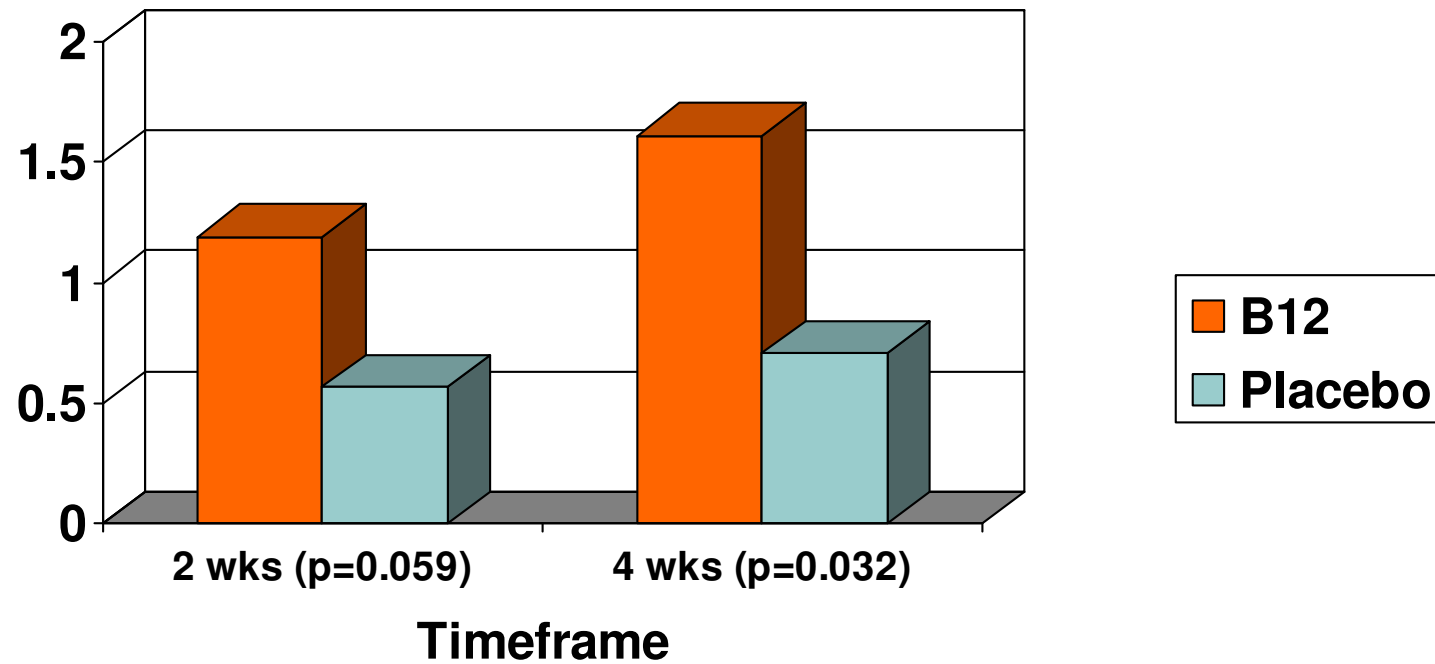
Results

Decrease in Total SCORAD Values



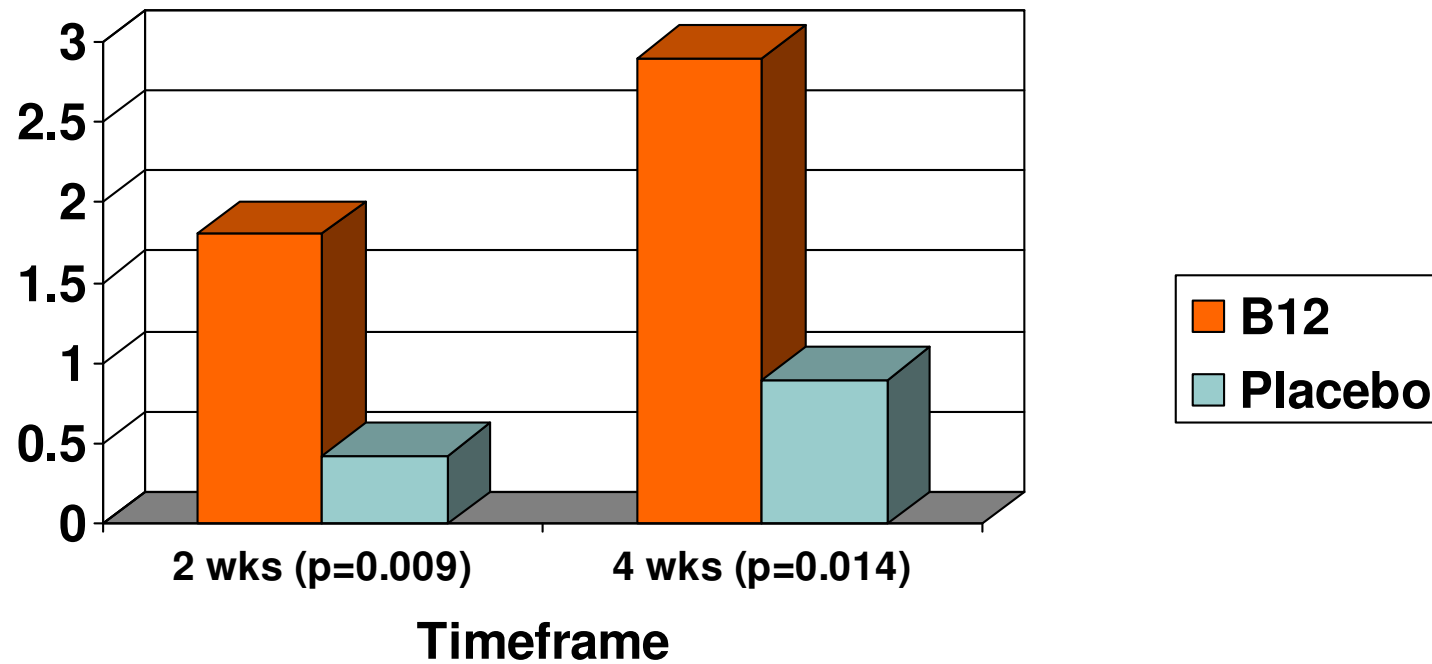
Results

Decrease in Subjective SCORAD Values



Results

Decrease in Objective SCORAD Values





Results - Summary

- SCORAD changes
 - Significant differences at 2 and 4 weeks
 - Total SCORAD values
 - Objective SCORAD values
 - Significant difference in subjective SCORAD at 4 weeks