

EFFECTIVENESS AND SAFETY STUDY IN CHILDREN WITH STEROIDDEPENDENT NEPHROTIC SYNDROME TREATED WITH LEVAMISOLE

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Objectives

To determine the effectiveness and safety of a levamisole formulation in capsules used in association with prednisone in the treatment of steroid-dependent nephrotic syndrome (SDNS) in children

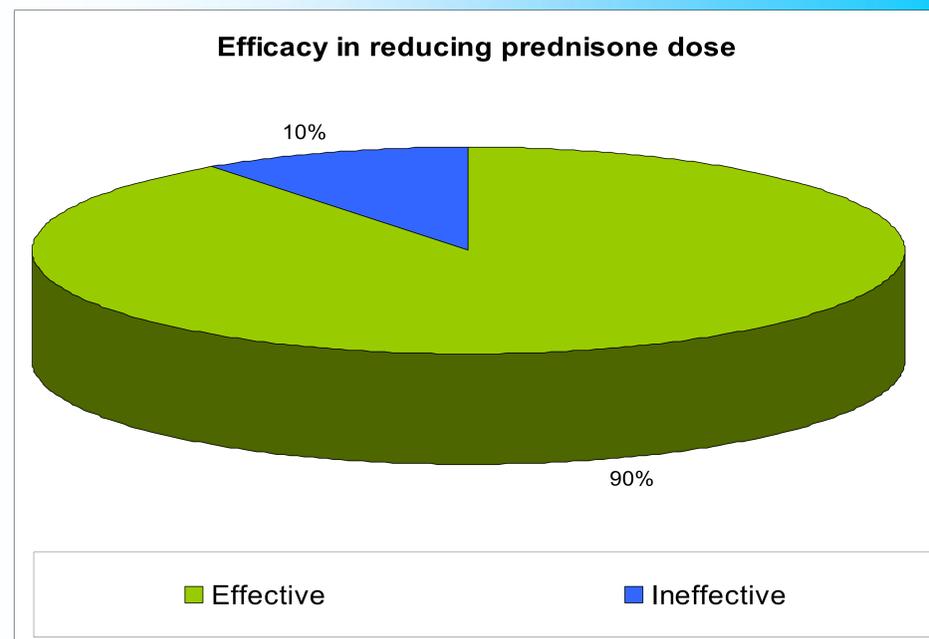
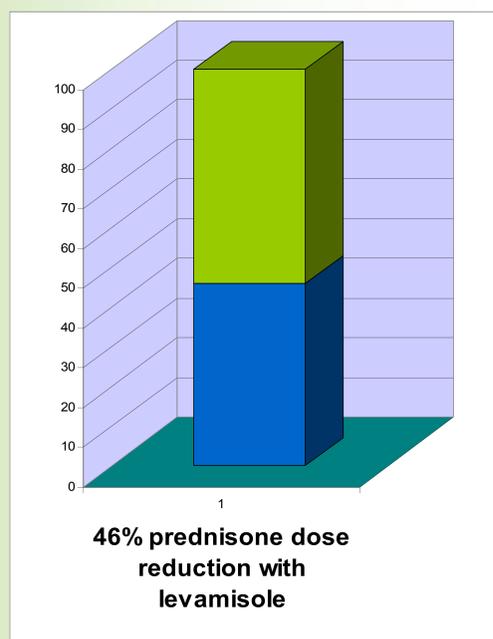
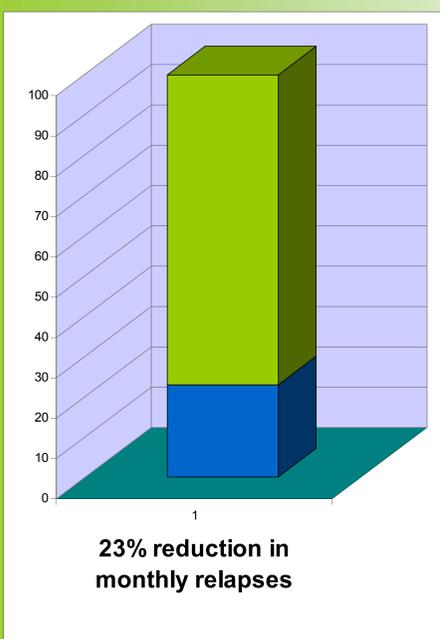
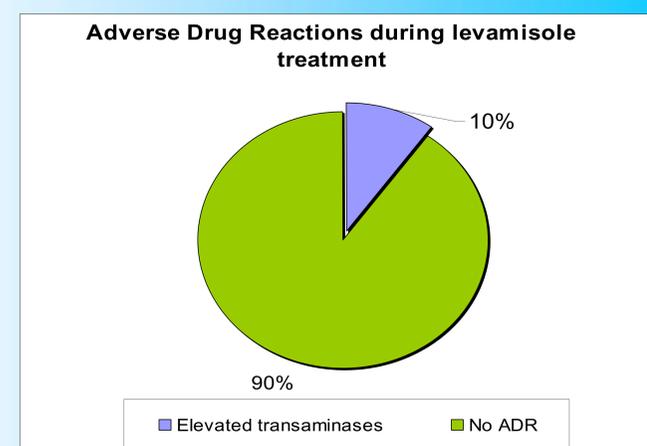
Methods and Study Desing

3-year historical cohort observational retrospective study.

- We looked for children treated with levamisole from 5 years in the database of Pharmacy Service of our Hospital (Silicon, IANUS)
- Effectiveness: calculated as % reduction in monthly relapses and as % reduction of prednisone dose comparing with prednisone + levamisole vs. prednisone alone.
- Safety: absence of the following ADR: leukopenia, neutropenia, rash or transaminases increase.

Results

- 10 patients treated with levamisole during the study period
- 23% reduction in monthly relapses
- 46% dose reduction of prednisone with levamisole
- 1/10 patient experienced elevated transaminases during levamisole treatment (10% of ADR).
- Efficacy in reducing prednisone dose was found in 9/10 treatments.
- Efficacy in reducing relapses was found in 6/10 treatments.
- 9/10 treatments were safe.



Conclusions

- Combining levamisole and prednisone could be safe and effective in treating children with SDNS.
- This treatment appears to reduce relapses of SDNS and doses of prednisone, with a low incidence of adverse effects.