

## #1959 - Effect of Low Dose Imipramine in Patients with Nocturnal Enuresis: A Randomized Clinical Trial

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### Body

#### Abstract

**Background:** Nocturnal enuresis is a condition can effects on quality of children life. The aim of the present study, was designed to investigate theefficacy of low dose imipramine combine with desmopressin on treatment of patients with primary nocturnal enuresis who were defined as desmopressin non-responders.

**Methods:** A randomized clinical trial carried out on patients with primary nocturnal enuresis. Fortyenuresis children between the ages of 5 and 12 years old were randomly divided into the intervention (n=20) and control groups (n=20). The subjects in the intervention group were treated desmopressincombinewith 5 mg imipramineat bedtime, and those in the control group were given desmopressin. The patients were followed up for one month at time intervals of one week. The number of wet night was recorded.

**Results:**Our findings indicated that there was no significant difference between age and genders. Two individuals in the intervention and three individuals in control groups were excluded from the study. Furthermore, a significant improvement recovery in the enuresiswas observed in 18 of 20 patients who was treated with combination therapy after 1 month (p=0.003). In addition to this, the frequency of enuresis patients 83.3% was significantly increased compared to the frequency of patients in control group 29.4%.

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**Conclusion:** The data showed that low dose imipramine is well tolerated in clinical practice and may represent a good short-term treatment option in combination therapy where desmopressin therapy is not sufficient to treatment.

**Keywords:** Primary nocturnal enuresis; imipramine; desmopressin; combination therapy

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