



man, vrouw en kind Universitair Ziekenhuis Gent

Neuropsychological functioning is associated with night-time and daytime characteristics of monosymptomatic nocturnal enuresis

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Introduction

In children with monosymptomatic nocturnal enuresis (MNE) associated with nocturnal polyuria (NP) this study aims first to investigate which psychological problems are present. The second aim is to explore whether these psychological problems are related to specific characteristics of enuresis: fluid intake,

Positive correlation

Negative correlation

Fluid intake

Externalizing problems*

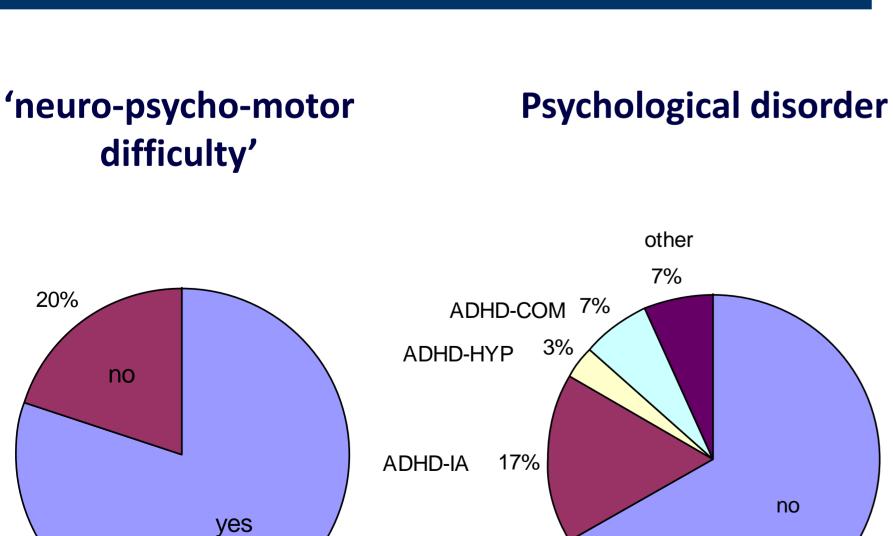
- •Self-esteem*
- •Auditive memory*
- Sustained
 - attention*

bladder volume, number of wet nights and number of nights with nocturnal polyuria.

Material and methods

Children aged 6 - 16 years referred to tertiary care diagnosed with MNE associated with NP are included in this multi informant (child, parent, teacher) – multi method study (questionnaires, clinical interviews, neuropsychological testing).





Bladder volume

- Anxiety/depression symptoms*
- Spatial recognition memory**
- Attention problems**
- Social problems*
- Orderly/tidiness
 problems**
- Inhibition problems*
- •Auditive memory*

N wet nights

- Social problems*
- Anxiety/depression symptoms*

Social self-esteem*

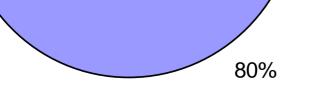
N nights with NP

- Behavior regulation problems**
- Orderly/tidiness problems*
- Physical QoL*
- •Overall planning
 - accuracy*

*p<.05; **p<.01

Conclusion

Children experience problems in daytime functioning and emotional wellbeing in relation to their wetting problem at night. Not only night-time symptoms of





enuresis have an influence on the child's function and

emotional wellbeing, also daytime characteristics

such as fluid intake or bladder volume are of concern.

Further research is necessary to clarify this.