Academic performances in ADHD children, results from a survey initiated by the association of patients HyperSupers - TDAH France

C. Gélot (1), E. Konotof (2), P. Laporte (3), M. Lecendreux (2)

(1) TDAH France, PARIS ; (2) Centre Périopathologies et de Médecine du Sommeil, CHU Robert Debré, PARIS ; (3) Centre Hospitalier Général, Périgueux.

Correspondant : christine.geilot@tdah-france.fr

Introduction

Attention Deficit/Hyperactivity Disorder (ADHD) is a highly prevalent neurodevelopmental disorder which concerns 3.5 to 5.6% (1) of school-age children in France. ADHD is a disorder which is known to negatively impact academic performances in school-aged children by the mean of the cognitive impairment resulting from a deficit in attention and an alteration in executive functions. This survey was initiated by the French association HyperSupers - TDAH France in order to obtain data on care and their impact on academic success.

Objectives

The aim of the study was to describe a population of children suffering from ADHD and to clearly identify which actions could be individualized, that could positively impact on academic achievement.

Method

This study was based on the results of questionnaires fulfilled by members of the association of patients, which focused on the diagnosis, treatment and schooling of the children. Between August 6, and September 5, 2011, members families were asked to respond to an internet questionnaire, knowing that they would remain anonymous as to the data. It was specifically stipulated that the survey only concerned school-age children who had been diagnosed as ADHD by a medical specialist. 1486 families received an invitation to participate in the study. 657 questionnaires were completed, among which 524 responses concerning children with a diagnosis between the ages of 6 and 18 were retained.

Results

Respondents

In 52% of cases, the questionnaire was completed by mothers.

Age and gender

The mean age of the children was 12 years, with a ratio of 6 boys to 1 girl. Children were diagnosed with ADHD at an average age of 9.3 years.

Problems

In 52% of cases, children had problems with:

- Difficulty finishing tasks
- Difficulty concentrating more than 5 minutes
- Low frustration threshold
- Failure at school
- Frigidity
- Difficulty making friends
- Inability to wait their turn

The difficulties leading to a search for professional help are symptomatic of ADHD.

Comorbidity

Learning disabilities 44%

Anxiety 32%

Night disorders 25%

Sleep disorders 23%

Impact of sleep disruption on comorbidity.

Non pharmacological treatments

Language 50%

Motor skills 40%

TDAH France in order to obtained data on care and their impact on academic success.

Medical treatments

Methylphenidate is the only drug labeled in France for ADHD. 94% of the sample benefited from a medication. 72% were addressed for speech or motors skills therapy.

Environment

Delay to diagnosis

The results show that academic success is very strongly affected by ADHD. Only 3.8% finish school.

School problems

Treatment

Results of the survey confirm that parents of ADHD children focus intently on their children’s schooling, which remains problematic with a high rate of grade repetition.

These children also have difficulty in their interpersonal relations which leads to their being expelled (20%) or dropping out.

The survey clearly brings out significant differences in academic achievement depending on whether children receive medication and/or therapy for their condition.

Most importantly expulsion and dropout rates are reduced when the child benefits from speech and language and/or psychomotor therapy and when adjustments are made on the part of the school to take into account ADHD children’s difficulties. Such help improves their performance and achievement in the school system. Methylphenidate often contributes strongly to improving academic achievement.

Conclusion

On the whole the survey shows that multimodal treatment offers the maximum benefits to ADHD children.

References


Poster financed by TDAH France

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