Abstract

Background: Attention deficit hyperactivity disorder (ADHD) is a common paediatric neurodevelopmental disorder, with serious impacts on individuals, families and communities. It is associated with cognitive, behavioural, emotional, social and developmental disturbances and impaired academic achievement.

Aims: To describe quality of life (QOL) of parents of ADHD children and family function. To determine the relationship between QOL, family function and sociodemographic characteristics.

Methods: This was a cross-sectional study of 125 parents of children with any type of ADHD who were selected by systematic random sampling. The study was conducted between May and December 2015 in the Outpatient Family Medicine Clinic at Suez Canal University Hospital. The World Health Organization Quality of Life-Brief (WHOQOL-BREF) and Adaptability, Participation, Growth, Affection, Resolution (APGAR) questionnaires were used for data collection.

Results: Median physical, psychological and social domain scores were 12, and mean environmental domain score was 11.9. The median scores of perception of health and QOL of the parents were 3.0. Most of the families (79.2%) were dysfunctional. Statistically significant relationships were found between all domains and education; physical scores of QOL and gender, employment and income; psychological scores of QOL and residence; environmental scores of QOL and age, income and marital status. Dysfunctional families were likely to be affected by age, gender, physical and psychological domain scores of QOL of parents.
Conclusions: Parents of children with ADHD had average QOL. Most parents had dysfunctional families. Future family intervention studies are recommended.

Keywords: attention deficit hyperactivity disorder, children, family function, parents, quality of life.

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Introduction

Attention deficit hyperactivity disorder (ADHD) is one of the most common neurodevelopmental disorders in children and adolescents. Symptoms of ADHD are associated with disturbances in cognitive, behavioural, emotional, social and developmental function and impaired academic achievements (1). ADHD is a heterogeneous disorder with genetic factors and deficits in brain structure and neuronal functioning and connectivity (2,3).

According to the definition of ADHD in the Diagnostic and Statistical Manual of Mental Disorders 4th Edition (DSM-IV), the prevalence in 22 Arab countries was 1.3–16%. In 2 studies in Egypt, prevalence ranged from 6.5% among primary school children in grades 3–5 aged 8–10 years to 7.5% among children aged 4–12 years (4). The prevalence of ADHD based on DSM-V among children aged 6–14 years in Fayoum City, Egypt reached 20.5%. In western countries, the prevalence ranged from 7.3% in Italy to 10.6% in France and the United States of America (5).
The World Health Organization (WHO) defines quality of life (QOL) as individuals’ perception of their position in life in the context of the culture and value systems in which they live, and in relation to their concerns, standards, goals and expectations (6). Assessment of QOL is important in medical practice to improve the doctor–patient relationship and assess the effectiveness and relative merits of different treatments, as well as in health service evaluation, research and policy-making (7). Parents of children with ADHD report lower levels of QOL compared to parents of healthy children (8).

Family function is defined in the 5 components of the APGAR scale: Adaptability: sharing of resources, and the degree of satisfaction with the received attention; Participation: refers to family communication and joint decision-making on problem solving; Growth: achieves emotional growth owing to the freedom to change roles within the family; Affection: the individual’s satisfaction regarding intimate relationships between family members and family interactions; and Resolution: sharing of time and satisfaction with the commitments that family members establish. Family functioning is seriously affected by children with ADHD, especially in families with simultaneous childhood and parental ADHD (9). Dysfunctional families have less than optimal functioning in areas of relationships, communication, organization and problem solving (10).

ADHD is a major clinical and public health problem because its consequences for society are enormous in terms of financial cost, stress on families, impact on academic and vocational activities, and negative effect on self-esteem. It is a common neurodevelopmental disorder with a high degree of associated behavioural problems. It has a negative impact on QOL of parents and on family function.

We have not found any data on QOL or family function among parents of children with ADHD in Egypt or other Arab countries. Evaluation of the QOL of parents with children with ADHD and their family function could facilitate future supportive interventions. The aims of the present study were to describe QOL of parents of ADHD children and family function; and to determine the relationship between QOL and family function and sociodemographic characteristics.

**Methods**

**Study design**

This was a cross-sectional study that was conducted between May and December 2015 at the Child Psychiatry Clinic at Suez Canal University Hospital, Ismailia City, Egypt. The Clinic has a registry of children aged 6–14 years diagnosed with ADHD. Parents of children with ADHD were recruited during their follow-up visits to the Clinic and then they were referred to the Family Practice Clinic where data were collected.
Study participants

We included parents of children with any type of ADHD (inattention, hyperactivity or their combination) for > 1 year based on the diagnostic criteria of DSM-IV. The children were diagnosed by a psychiatrist at the Child Psychiatry Clinic and were undergoing treatment. The following were excluded: parents of > 1 child with ADHD, as this would have caused cumulative effects on QOL; parents of children diagnosed within the past year; and parents who had children with intellectual problems, pervasive developmental disorder, conduct disorder, oppositional defiant disorder or substance abuse.

Sampling and sample size

We recruited a systematic randomized sample from the clinic registry, which contains 280 children with ADHD who are being followed up in the clinic. Two hundred and fifty children fulfilled the inclusion and exclusion criteria. A sample of 112 parents was calculated based on the formula (11):

\[ Z = 1.96, \text{ where } \bar{\sigma} = \text{the estimates of standard deviation (SD) of QOL among parents with children with ADHD} \]

(\( \bar{\sigma} = 2.7 \) (8); and \( E = 0.5 \)), and we allowed for 10% drop out, so the total sample included 125 parents. The largest SD was selected to ensure an adequate sample size. The records included telephone numbers and addresses of parents, and they were called and invited for interview and follow-up in the clinic.

Questionnaires

We used 3 structured questionnaires. They were self-administered, but if the parent was illiterate, the questionnaire was administered by S.S. Azazy.

Questionnaire I

Questionnaire I collected sociodemographic characteristics: gender, age, marital status, education, employment status, residence and perceived satisfaction with income.

Questionnaire II
WHO EMRO | Quality of life and family function of parents of children with attention deficit hyperactivity disorder

Questionnaire II was an Arabic version of World Health Organization Quality of Life-Brief (WHOQOL-BREF). This is the short version of WHOQOL-100 and is recommended for use with time constraints or to minimize the burden on the respondents. It included 26 items; 24 of which covered 4 QOL domains: physical health (7 items), psychological health (6 items), social relationships (3 items) and environment (8 items). Two other items measured overall QOL and general health (12). Items were rated on a 5-point Likert scale (low score of 1 to a high score of 5) with 3 negatively phrased items in Questions 3, 4 and 26. SPSS version 20 was used to calculate the mean of each domain score, which was multiplied by 4 to create scores within a range of 4–20, so as to be directly comparable with scores derived from the WHOQOL-100, which were transformed to a 0–100 scale using the formula \((\text{score} - 4) \times (100/16)\). High scores indicated high QOL (7). The scores were checked and analysed by a statistician. Validity and reliability of the Questionnaire II in an Arab general population were tested and confirmed. The questionnaire was validated using construct validity. Test–retest reliability and internal consistency for the full questionnaire and all domains were conducted with 30 parents and repeated after 2 weeks with Cronbach’s \(\alpha \geq 0.7\), as in a previous study (13).

**Questionnaire III**

Questionnaire III was an Arabic version of the APGAR scale. It was used to assess perceived family function, with the 5 components: adaptability, participation, growth, affection and resolution. There were 3 possible answers (almost never, sometimes and almost always) for each of the 5 questions, with scores varying between 0 and 2. The total score ranged between 0 and 10 and families were characterized as functional (7–10) or dysfunctional (≤ 6). A dysfunctional family could also be classified as moderately (4–6) or severely (≤ 3) dysfunctional (14). The APGAR questionnaire was previously translated, face validated (15) and tested for internal consistency and test–retest reliability (Cronbach’s \(\alpha = 0.7\)). The scoring was checked and analysed by a statistician.

**Outcome variables**

Four domains of WHOQOL-BREF instrument (physical, psychological, social and environmental) and family function (functional and dysfunctional).

**Ethical consideration**

The study was approved by the Ethics Committee of the Faculty of Medicine, Suez Canal University. It was performed in accordance with the ethical standards laid down in the 1964 Declaration of Helsinki. The research protocol was registered at the University on 14 April 2015. All parents who agreed to participate gave signed informed consent prior to their inclusion in the study. The questionnaires were anonymous and confidentiality of data was preserved.

**Statistical analysis**
The data were entered and analysed by small STATA version 12 (statistics and data) and SPSS version 20. Data were tested for normality using the Shapiro–Wilk test. Categorical data were presented in frequencies and percentages. Continuous normally distributed data were presented as mean (SD). Continuous not normally distributed and ordinal data were presented as median and interquartile range. Nonparametric tests were used Wilcoxon rank-sum (Mann–Whitney test) for the relationship between 2 categorical variables and continuous non-normally distributed variables; Kruskal–Wallis test with post hoc multiple comparison using Mann–Whitney tests) for the relationship between 3 categorical variables and continuous non-normally distributed variables; χ² test to analyse the relationship between categorical variables; and Fisher's exact test in cases of expected cells.

**Results**

The study included 125 parents with children with ADHD, with a 100% response rate. The mean age of the parents was 35.1 years (range 19–57 years). Most of the participants 95 (76%) were aged

WHOQOL-BREF

The median scores of physical, psychological and social scores of the participants were 12.0 and the mean score of their environmental domain was 11.9. The median scores of perception of health and QOL of the parents were 3.0 (Table 1).

There was a significant relationship between physical domain of QOL and gender, employment status, income and educational status (Table 2). Women had lower scores than men; unemployed parents had lower scores than employed parents; parents with insufficient income had lower scores than those with sufficient income; and parents who received primary/preparatory education had the highest score. Post hoc comparison revealed that parents with primary or preparatory education had significantly higher scores than illiterate parents (z = 2.50 P = 0.016), and they had higher scores than those with secondary and higher education (z = 3.98, P

There was a significant relationship between the psychological domain of QOL and residence and educational status (Table 2). The scores of parents who lived in urban areas were lower than those who lived in rural areas, and the participants who received primary/preparatory education had the highest scores. Post hoc multiple comparison revealed that illiterate parents had significantly lower scores than those with primary/preparatory education (z = 3.60, P

There was a significant relationship between the social domain of QOL and educational status (Table 2). The median scores for parents who received secondary/high education were near to the median scores for those who were illiterate, but lower than the scores for those who received primary/preparatory. Post hoc comparison revealed that illiterate parents had significantly lower scores than those who had received primary and preparatory education (z = 3.13, P = 0.001) and lower scores than those with secondary and higher education (z = 2.25, P = 0.025). Parents
who had received primary and preparatory education had higher scores than those with secondary and higher education \((z = 2.03, P = 0.042)\).

There was a significant relationship between the environmental domain of QOL and age, income, marital status and educational status \((\text{Table 2})\). The scores of parents aged \(\geq 40\) years were lower than those of parents aged 40 years.

**Family function**

Ninety-nine \((79.2\%)\) parents reported dysfunctional families \([32 \,(25.6\%)\, \text{severe and} \, 67 \,(53.6\%) \, \text{mild}]\) and 26 \((20.8\%)\) reported functional families. There was a significant relationship between family function and age and area of residence \((\text{Table 3})\). Significantly more parents of dysfunctional families were aged

There was a significant relationship between family function and the psychological domain of QOL \((\text{Table 4})\). The score of the psychological domain of QOL was significantly higher in functional families. There was no significant relationship between family function and the physical, social and environmental domains of QOL.

Age, gender and psychological score of QOL were significant independent negative predictors of dysfunctional families \((\text{Table 5})\). Social and environmental scores were nonsignificant negative predictors of dysfunctional families. Conversely, physical score of QOL was a significant independent positive predictor of a dysfunctional family. Employment status, income insufficiency and rural residence were nonsignificant positive predictors of dysfunctional families. The variables in the regression model predicted 47.5\% of variability in dysfunctional families’ scores as indicated by the Nagelkerke R2.

**Discussion**

Four domains of WHOQOL-BREF, physical, psychological, social and environmental, were studied and their median scores were average. Also the perception of health and QOL of the parents was also around the middle scores. Most of the participants had dysfunctional families based on APGAR scale.

All the scores of the WHOQOL-BREF domains were lower than in a comparative study by Xiang et al. in Hong Kong (8), which compared QOL of 77 parents of children with ADHD with QOL of the general population. Although the children in the current study were under treatment, QOL of their parents was lower than in the study by Kim et al. in Korea (16). They studied 75 children with ADHD and their parents to assess parental QOL and depressive mood following
methylphenidate treatment of their children. The decrease in parental depression scores from baseline to 8 weeks was significantly associated with increases in the domain scores of WHOQOL-BREF. The lower QOL of parents in the current compared with previous studies could be related to differences in socioeconomic status, selection criteria of the participants, or treatment method or compliance. We found partial agreement with other studies that used different tools for assessment of QOL, such as the case–control study by Hadi et al. in the Islamic Republic of Iran (17), in which 100 mothers of children with ADHD scored lower than the control group for most of the dimensions of the Health-Related Quality of Life Scale.

All 4 domain scores of WHOQOL-BREF in the current study were significantly higher in parents who had received primary/preparatory education compared with other levels of education. Significantly lower physical domain scores were found among mothers, unemployed parents and those with insufficient income, compared with fathers, employed parents and those with sufficient income. Psychological domain scores of the parents were lower among those who lived in urban rather than rural areas, which could have been due to other stressful situations in urban areas. Environmental domain scores were lower among parents aged ≥ 40 years, those with insufficient income and divorced parents, compared with parents aged

It was found that 79.2% of families in the current study were dysfunctional. This was consistent with another study that assessed the family function of 47 Norwegian fathers and 217 mothers of children with ADHD using the Family Assessment Device (FAD) (18). This study found that parents with a child with ADHD had poorer family function compared to others who did not have a child with ADHD. Our results of family dysfunction are congruent with another study that used the FAD questionnaire (10). It suggested that parents of children with ADHD have difficulty with family cohesiveness and organization. Our results agree partially with a study in the Islamic Republic of Iran that assessed marital satisfaction among 200 parents of children with ADHD and 200 controls using the Evaluation and Nurturing Relationship Issues, Communication and Happiness (ENRICH) questionnaire (19). It showed that parents of children with ADHD had a lower level of marital satisfaction. Our results are also similar to another Iranian study (20) that used the FAD questionnaire and Chulalongkorn Family Inventory on 30 families of children with ADHD and 30 control families. The families of children with ADHD were less healthy in function than the controls were. One explanation is that parents of children with ADHD have problems with child interaction and experience emotional stress, distress and exhaustion. When the child does not respond to ordinary parental requests, stress can rise sharply, which can affect family function. We found that fathers were less likely to report dysfunctional families than mothers were. Increasing age and psychological scores of QOL were associated with a reduced likelihood of dysfunctional families. Increased scores for the physical domain of QOL were associated with increased likelihood of dysfunctional families. Our results are congruent with the study by Moen et al. (18), who also found that increasing age was associated with better family function, although gender was not a predictor. However, Foley concluded that socioeconomic status is not protective against family dysfunction (10). The difference between these studies could be related to the different predictors studied and family function questionnaires used.

**Strength and limitations**
This study could be one of the first to investigate parental QOL and family function of children with ADHD in Egypt. Inferential statistics and discussion were based on WHOQOL transformed 4–20 scores to facilitate comparison with other studies. Most studies have used the FAD questionnaire for assessment of family function, which is not exactly comparable with APGAR score. We did not assess the different treatment methods among the children in our study. Outcome variables were not compared with controls and could have been affected by factors other than sociodemographic characteristics, such as disease characteristics. The results cannot be generalized to other parents of children with ADHD because the study was hospital based and only represents parents of children who sought advice or treatment.

**Conclusion**

Parents of children with ADHD had average QOL and the majority of them perceived family dysfunction despite all their children receiving treatment. There was a significant relationship between some sociodemographic characteristics and each of the 4 domains of QOL. There was increased likelihood of having dysfunctional families that were reported by mothers and increasing physical scores of QOL, while there was a reduction in likelihood of having dysfunctional families with increasing age and better psychological scores of QOL. Assessment of QOL and family function is recommended in future supportive interventions in families of children with ADHD.

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familles et les communautés. Il est associé à des troubles cognitifs, comportementaux, émotionnels, sociaux et développementaux, ainsi qu’à une baisse des résultats scolaires.

Objectifs : Fournir une description de la qualité de vie des parents d’enfants atteints d’un TDHA, ainsi que de leur fonctionnement familial. Déterminer la relation entre la qualité de vie, le fonctionnement familial et les caractéristiques socio-démographiques.

Méthodes : Il s’agissait d’une étude transversale menée auprès de 125 parents d’enfants souffrant de différents types de TDHA, sélectionnés par échantillonnage aléatoire systématique. L’étude a été conduite entre mai et décembre 2015 dans la clinique de consultations externes en médecine familiale du centre hospitalier universitaire du Canal de Suez. Le questionnaire de l’OMS sur la qualité de vie dans sa version abrégée et le score d’Apgar (apparence, pouls, grimace, activité, respiration) ont été utilisés pour recueillir les données.

Résultats : Les scores médians concernant les domaines physique, psychologique et social étaient de 12, et le score moyen du domaine environnemental était de 11,9. Les scores médians de la perception de la santé et de la qualité de vie de ces parents étaient de 3,0. La plupart des familles (79,2 %) étaient dysfonctionnelles. Des liens statistiquement significatifs ont été trouvés entre tous les domaines et l’éducation ; entre les scores de la qualité de vie portant sur la condition physique et le sexe, l’emploi et les revenus ; entre les scores de la qualité de vie portant sur l’état psychologique et le lieu d’habitation ; et entre les scores de la qualité de vie liés à l’environnement et l’âge, les revenus et la situation maritale. Les familles dysfonctionnelles étaient susceptibles d’être affectées par les scores de la qualité de vie des domaines portant sur l’âge, le sexe, et la condition physique et psychologique des parents.

Conclusion : Les parents d’enfants atteints d’un TDHA avaient une qualité de vie moyenne. La plupart des parents venaient de familles dysfonctionnelles. Des études portant sur les interventions familiales sont recommandées à l’avenir.
WHO EMRO | Quality of life and family function of parents of children with attention deficit hyperactivity disorder

اﻠﺨﻠﻔﻴﺔ: إﻦ اﻀﻄراﺐ ﻗﺼوﺮ اﻠاﻨﺘﺒاﻪ وﻔرﻂ اﻠﺤرﻜﻪ ﰲ إண اﺾﻄراﺐ ﻋﺼﺒﻲ ﻧﻤوﻲ ﻧﻤو ﺑﻴﻦ اﻠأﻄﻔاﻞ، وﻠﻪ آﺜاﺮ ﺧﻄﻴرﺔ ﻋﻠﻰ اﻠأﻔراﺪ واﻠأﺴﺮ واﻠﻤﺠﺘﻤﻌاﺖ. وﻬﻮ ﻳرﺘﺒﻂ ﺑاﻠاﻀﻄراﺒاﺖ اﻠإدراﻜﻴﺔ واﻠﺴﻠوﻜﻴﺔ واﻠﻌاﻄﻔﻴﺔ واﻠاﺠﺘﻤاﻌﻴﺔ واﻠﻨﻤوﻴﺔ وﻀﻌﻒ اﻠأداء اﻠأﻜادﻴﻤﻲ.

اﻠأﻬداﻒ: وﺼﻒ ﺟودﺔ اﻠﺤﻴاﺔ واﻠوﻈﻴﻔﺔ اﻠﻌاﺌﻠﻴﺔ ﻟآﺒاء اﻠأﻄﻔاﻞ اﻠﻤﺼاﺒﻴﻦ ﺑﻘﺼوﺮ اﻠاﻨﺘﺒاﻪ وﻔرﻂ اﻠﺤرﻜﺔ. وﺘﺤدﻴﺪ اﻠﻌﻠاﻘﺔ ﺑﻴﻦ ﺟودﺔ اﻠﺤﻴاﺔ واﻠوﻈﻴﻔﺔ اﻠﻌاﺌﻠﻴﺔ، واﻠﺨﺼاﺌﺺ اﻠاﺠﺘﻤاﻌﻴﺔ اﻠﺴﻜاﻨﻴﺔ.

طﺮﻖ اﻠﺒﺤﺚ ﻣﻦ اﻠآﺒاء ﻟأﻄﻔاﻞ ﻣﺼاﺒﻴﻦ ﺑأﻲ ﻧوﻊ ﻣﻦ أﻨواﻊ 125: ﺿﻤﺖ ﻫذﻪ اﻠدراﺴﺔ اﻠﻤﻘﻄﻴﺔ اﻀﻄراﺐ ﻗﺼوﺮ اﻠاﻨﺘﺒاﻪ وﻔرﻂ اﻠﺤرﻜﻪ، وﻘﺪ اﺨﺘﻴروﺎ ﻋﻦ ﻃرﻴﻖ ﻋﻴﻨﺔ ﻋﺸواﺌﻴﺔ ﻣﻨﺘﻈﻤﺔ. وأﺠرﻲَﺕ ﻓﻲ اﻠﻌﻴادﺔ اﻠﺨارﺠﻴﺔ ﻟﻄﺐ اﻠأﺴرﺔ 2015 ﻣﻦ اﻠدراﺴﺔ ﺑﻴﻦ ﺷﻬرﻲ ﻣاﻴﻮ/أﻴاﺮ ودﻴﺴﻤﺒﺮ/ﻛاﻨوﻦ اﻠأوﻞ ﻓﻲ ﻣﺴﺘﺸﻔﻰ ﺟاﻤﻌﺔ ﻗﻨاﺔ اﻠﺴوﻴﺲ. واﺴﺘﺨدﻢ ﻟﺠﻤﻊ اﻠﺒﻴاﻨاﺖ اﺴﺘﺒﻴاﻨاﺖ ﻣﻨﻈﻤﺔ اﻠﺼﺤﺔ اﻠﻌاﻠﻤﻴﺔ ﻟﻠﺠودﺔ اﻠﺤﻴاﺔ واﻠﺘﻜﻴﻒ، واﻠﻤﺸارﻜﺔ، واﻠﻨﻤﻮ، واﻠﻤودﺔ، واﻠﻘراﺮ.

اﻠﻨﺘاﺌﺞ، وﻤﺘوﺴﻂ 12: ﺑﻠﻎ وﺴﻴﻂ اﻠﻤﻘﻴاﺲ ﻓﻲ اﻠﻤﺠاﻠاﺖ اﻠﺒدﻨﻴﺔ واﻠﻨﻔﺴﻴﺔ واﻠاﺠﺘﻤاﻌﻴﺔ. 3.0 وﺒﻠﻎ وﺴﻴﻂ ﻣﻘﻴاﺲ اﻠإدراﻚ ﺑاﻠﺼﺤﺔ وﺠودﺔ اﻠﺤﻴاﺔ ﻟﻠآﺒاء 11.9 اﻠﻤﻘﻴاﺲ ﻟﻠﻤﺠاﻞ اﻠﺒﻴﺌﻲ (اﺨﺘﻠاﻞ وﻈﻴﻔﻲ. وﻘﺪ وﺠدﺖ ﻋﺎﻘﻼ_inverse داﻠّا ﻋﺪاً إﺤﺼاً ﺑﻴﻦ ﺟﻤﻴﻊ 79.2 وﻜاﻦ ﻟدﻲ ﻣﻌﻈﻢ اﻠأﺴﺮ ﺑ٪ اﻠﻤﺠاﻠاﺖ واﻠﺘﻌﻠﻴﻤ؛ واﻠﻤﻘاﻴﻴﺲ اﻠﺒدﻨﻴﺔ ﻟﺠودﺔ اﻠﺤﻴاﺔ وﻨوﻊ اﻠﺠﻨﺲ واﻠﻌﻤﻞ واﻠدﺨﻠ؛ واﻠﻤﻘاﻴﻴﺲ اﻠﻨﻔﺴﻴﺔ ﻟﺠودﺔ اﻠﺤﻴاﺔ واﻠﺴﻜﺎن؛ واﻠﻤﻘاﻴﻴﺲ اﻠﺒﻴﺌﻴﺔ ﻟﺠودﺔ اﻠﺤﻴاﺔ واﻠﻌﻤﺮ واﻠدﺨﻠ؛ واﻠﺤاﻠﺔ اﻠزواﺠﻴﺔ. وﻘﺪ ﺗأﺜرﺖ اﻠأﺴﺮ اﻠﺘﻲ ﻟدﻴﻬﺎ اﺨﺘﻠاﻞ وﻈﻴﻔﻲ ﺑاﻠﻌﻤﺮ وﻨوﻊ اﻠﺠﻨﺲ وﻤﻘاﻴﻴﺲ اﻠﻤﺠاﻞ اﻠﺒدﻨﻲ واﻠﻨﻔﺴﻲ ﻟﺠودﺔ اﻠﺤﻴاﺔ ﻟدﻴ اﻠآﺒاء.

اﻠاﺴﺘﻨﺘاﺠاﺖ: آﺒاء اﻠأﻄﻔاﻞ اﻠﻤﺼاﺒﻴﻦ ﺑﻘﺼوﺮ اﻠاﻨﺘﺒاﻪ وﻔرﻂ اﻠﺤرﻜﺔ ﻷﻦ ﻟدﻴﻬﻢ جودة حياء متوسطة. وﻜاﻦ ﻟد ﻣﻌﻈﻢ اﻠآﺒاء اﺨﺘﻠاﻞ وﻈﻴﻔﻲ ﻋاﺌﻠﻲ. وﻴوﺺ اً ﻣﺴﺘﻘﺒل ﻟﻠﺘدﺨل اﻠﻌاﺌﻠﻴﺔ.

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