KNOWLEDGE OF PARENTS OF CHILDREN WITH AUTISM FROM POLAND, BELARUS AND FRANCE CONCERNING THEIR CHILD’S CONDITION

WIEDZA RODZICÓW DZIECI Z AUTYZMEM Z POLSKI, BIAŁORUŚ I FRANCJI NA TEMAT CHOROBY DZIECKA

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Summary

Background. Autism is not only a problem for people with autism, but also for their entire families. Material and methods. 83 families were analysed, including 30 families from Poland, 25 families from Belarus and 28 families from France, an author’s questionnaire was used. Results. The majority of respondents were aware of the fact that autism can also be diagnosed in an adult person. Likewise, the notion of the autistic spectrum was known. While parents from Poland and France realised that a one-time diagnosis of the condition is insufficient, parents from Belarus more often chose the incorrect answer, and therefore they express the tendency to immediately start a therapy without additional consultations. All respondents from France chose the statement that treatment of autism should be started before the age of 3, which was confirmed by the majority of respondents from the other two countries. Polish parents barely considered the importance of preparation required to understand their child’s behaviour, whereas this aspect of the therapy was indicated by almost 90% of the respondents from the other two countries. Parents from Poland (69%) and Belarus (76%) were mostly convinced that autism cannot be cured completely. A different opinion was expressed by 42.9% of parents from France, who were convinced about it. The Poles most willingly used the Internet as a source of knowledge, while the French and Belarusians - a psychologist. Conclusions. The parents of autistic children, regardless of the country, showed a low level of knowledge about autism. The vast majority of respondents declared a desire to deepen their knowledge on autism, expressing their preference to have an individual conversation with an educator.

Keywords: autism, parents, knowledge

Streszczenie

Wprowadzenie. Autyzm nie jest problemem jedynie osób z autyzmem, ale również całych ich rodzin. Metody i metodyki. Analizie poddano 83 rodziny, w tym 30 rodzin z Polski, 25 rodzin z Białorusi oraz 28 rodzin z Francji, w tym za pomocą ankiety autorskiej. Wyniki. Większość ankietowanych wiedziała, że autyzm można zdiagnozować także u osoby dorosłej, znanego also pojęcie spektrum autystycznego. O ile rodzice z Polski i Francji zdawali sobie sprawę, że jednorazowa diagnoza choroby jest niewystarczająca, to rodzice z Białorusi częściej wybierali błędną odpowiedź, a więc natychmiastowe rozpoczęcie terapii bez dodatkowych konsultacji. Wszyscy ankietowani z Francji wybierali stwierdzenie, iż leczenie autyzmu należy zacząć przed 3 rokiem życia, co potwierdziło większość ankietowanych z pozostałych dwóch krajów. Rodzice z Polski ledwie w połowie zaznaczyli konieczność przygotowania rodziców do zrozumienia zachowań dziecka, podczas gdy ten aspekt terapii wskazało niemal 90% ankietowanych z dwóch pozostałych krajów. Rodzice z Polski (69%) i Białorusi (76%) byli w większości przekonani, iż autyzmu nie można wyleczyć całkowicie. Odmienną opinię wyraziło 42,9% ankietowanych z Polski. Wszyscy ankietowani z Francji, w tym 86%, zdecydowanie zaznaczali, iż terapia dla dzieci z autyzmem powinna być rozpoczęta przed 2 rokiem życia. Odniesiony krytycznie niewyraźny wpływ na rozwój roli rodziców w terapii wykazali rodzice z Białorusi oraz Francji. Na uwagę zaszczyca, że literatura na ten temat jest bardzo skoncentrowana na badaniach dotyczących rodziców z Polski, podczas gdy badania z Białorusi i Francji są niewielkie. Wnioski. Rodzice dzieci autystycznych, niezależnie od kraju, wykazywali niski poziom wiedzy na temat autyzmu. Zdecydowana większość respondentów deklarowała chęć pogłębiania wiedzy na temat autyzmu preferując w tym celu rozmowę indywidualną z ekspertem. Kluczowe słowa: autyzm, rodzice, wiedza.
Introduction

Children's autism is a developmental disorder, present in almost all communities, which is characterized by abnormalities in the development of social interactions, communication and serious limitations in terms of activity and interests [1].

The progress in the diagnosis of the disorder has caused an increase in the frequency of diagnoses of children with autism in the world (in 1970 - 1 case per 10,000 births, and in 2009 - 1 case per 150 births), which means that the number of families involved in the care, upbringing and education of children with autism is also rapidly increasing [2, 3].

The first epidemiological study on autism was completed in 1966 in Great Britain and was carried out by Lotter [4] in Middlesex County.

In the literature [5, 6, 7] it is emphasised that the difficulty of defining autism lies in the fact that the phenomenon itself is a complex problem, and the diagnostic perspectives adopted make it possible to perceive only its individual fragments, which, when considered in their entirety, form a meaningful whole.

It is not easy to be a parent of an autistic child, since more often it is connected with experiencing very difficult moments. Moreover, frequently such guardians are close to a breakdown and simply do not know what to do, how to proceed, where to ask for help, how to teach their child.

The development of an autistic child is different from that of their peers. According to Greenberg et al. [8], such parents need reliable knowledge, so that they can efficiently motivate the child to act and help them overcome difficulties. Taking care of a sick child and their upbringing requires patience, perseverance and entrepreneurship in obtaining the help of specialists and skills to cope with difficult situations. The involvement and dedication of parents in the hardship of caring for an autistic child and the atmosphere in the family affect the functioning of a sick child. It has been observed that the high level of negative emotions in the family system causes the intensification of maladaptive behaviours and other symptoms of autism [8].

Therefore, one of the tasks of specialists is to support parents in creating a coherent and realistic picture of their child, in order to help them strengthen their sense of satisfaction with the achieved successes and to increase their awareness and level of knowledge.

In the literature on the subject [9-13], it is emphasized that contemporary activities are aimed at the greatest possible activation and involvement of parents in the therapeutic process of children. In this respect, attention is drawn to the importance of professional therapeutic programmes aimed at parents of children with autism. On the one hand, they are based on directing parents to active participation and cooperation in the activities conducted with autistic children, and on the other, on deepening their teaching skills and causing the change in their behaviour.

Unfortunately, in the professional literature there are sporadic studies concerning parents' knowledge of autism and their preparation for cooperation with such a child.

The aim of the study was to assess the knowledge of parents of children with autism from Poland, Belarus and France on the subject of a child's condition.

It was hypothesised that parents to a large extent show interest in the knowledge about their child's condition, mainly in the field of forms of therapy.

Material and methods

The study was carried out after obtaining the consent No. RI-002/242/2009 of the Bioethics Committee of the Medical University in Bialystok.

Parents of children diagnosed with autistic disorder were subjected to a questionnaire survey. The parents came from three European countries: Poland, Belarus and France, while the attempt was made to make the numerical structure with regard to the origin similar. The following inclusion criteria have been adopted: joint living with a child now and throughout the entire period of the condition, being biological parents, diagnosed (according to ICD 10 or DSM IV) and documented chronic disorder, with its minimum duration of 3 years and consent to the study. Furthermore, the exclusion criterion was the lack of consent to the study.

83 families were analysed, including 30 families from Poland, 25 families from Belarus and 28 families from France.

The study was based on an author's questionnaire, which consisted of general and fundamental questions composed of 18 questions, among others: knowledge of the percentage of the population affected by autism, most affected gender, the possibility of its diagnosis in adults, knowledge of the concept of autistic spectrum, symptoms of autism, evaluation of myths about autism, the period in which a therapy should be started, opinions on the treatment of autism with a diet, the existence of effective medicines, the possibility of curing autism completely, whether a one-time medical examination is sufficient to diagnose "autism", sources of knowledge...
about autism, the need to expand the knowledge in this area, preferred individuals who should provide parents with knowledge about autism, topics they would like to have discussed in the field of autism, preferred forms of communication of such knowledge.

The study was carried out in 2011-2012. In total, 30 questionnaires were distributed in Poland and 30 were used in the study, 30 questionnaires were distributed in Belarus and 25 were used, while in France, 30 questionnaires were distributed and 28 were used.

In view of the nature of the data, the chi-squared test was considered an appropriate tool for statistical inference. Based on the result of the test (p-value test), which is included in the header of the table, it was concluded that the studied dependence between the country and the approach to the disease was statistically significant. It has been assumed that when \( p \geq 0.05 \) it indicates that the tested difference, dependence, effect, it was not statistically significant; when \( p < 0.05 \) we talk about statistically significant dependence (we mark this fact with \( * \)); \( p < 0.01 \) is a highly significant dependence (\( ** \)); \( p < 0.001 \) is a very highly statistically significant dependence (\( *** \)).

Results

Parents in Poland have mainly resided in the city (57.7%), the rest (42.3%) in the rural areas. Parents from Belarus - also mainly resided in the city (88%) and a small percentage (12%) in rural areas, and parents from France - primarily in the city (74.1%), and only 25.9% in rural areas. Generally, the mothers studied were a few years younger (means age was 36.2±6.7 years) from their spouses (39.4±7.5 years). The mean age of fathers in Poland was 42.7±8.0 years, in Belarus - 38.1±6.9 years, and in France - 37.1±6.4 years. The mean age of mothers in Poland was 38.4±6.8 years, in Belarus - 36.0±6.2 years, and in France - 34.1±6.5 years. The mean time from the diagnosis of autism in a child in Poland was 7.9±2.7 years, in Belarus mean age was 7.2±5.2 years, and in France - 5.2±3.2 years.

In the next part of the paper, the authors attempted to present the information on the level of parents' knowledge about autism, taking into account the country of their origin.

25% of parents from Poland, 4.3% of parents from Belarus and 3.6% from France have correctly defined the percentage of the world population suffering from autism as 0.5%. 50% of respondents from Poland, 34.8% from Belarus and 3.6% from France were convinced that the value is between 0.5 to 1% of the population. 7.1% of respondents from Poland, 8.7% from Belarus and 14.3% from France believed that the problem of autism concerns over 10% of the population. 17.9% of respondents from Poland, 52.2% from Belarus and 14.3% from France had a problem with an unambiguous response. The distribution of responses differed significantly between the countries (\( p = 0.0000*** \)).

Regarding the question about the determination of a gender that is more vulnerable to autism, Polish parents have provided the most incorrect answers, as 53.2% of parents from Poland, 83.3% of parents from Belarus and 78.6% of parents from France were convinced that the boys are mainly affected by the disease. The girls were indicated by 10% of respondents from Poland and 17.9% from France. About 10% of parents from Poland and 3.6% from France were convinced that the same percentage of both genders was concerned. 26.7% of respondents from Poland and 16.7% from France did not express an unambiguous opinion on this matter. The distribution of responses differed significantly between the countries (\( p = 0.0122* \)).

The majority of respondents were correct to indicate that autism can also be diagnosed in an adult person - 69% of parents from Poland, 52% from Belarus and 78.6% from France stated that. A different opinion was expressed by 3.4% of the respondents from Poland and 4% from Belarus. 27.6% of the respondents from Poland, 44% from Belarus and 21.4% from France were undecided on this issue. The distribution of responses did not differ significantly between the countries (\( p = 0.3086 \)).

The autistic spectrum, as a general name for all forms of autism, was well defined by 96% of parents from Poland, 94.6% from Belarus and 96.2% from France. Concerning the group of colours, which autistic children do not distinguish, it was correctly defined by 4% of respondents from Poland and 3.8% from France, and as a device to stimulate positive behaviours of a child - 5.3% from Belarus. The distribution of responses did not differ significantly between the countries (\( p = 0.4881 \)).

While the parents from Poland (70%) and France (72%) were mostly aware that a one-time diagnosis of the condition was insufficient, parents from Belarus were less convinced about it (40%). The latter preferred to start the treatment immediately (60%), which was supported by 23.3% of parents from Poland and 4% from France. 6.7% of Polish parents and 24% of French parents were advocates of waiting two years after the specialist's diagnosis and repeating the examination. The distribution of responses differed significantly between the countries (\( p = 0.0001*** \)).
Table 1. shows the parents’ responses to the question about the most recognizable symptoms of autism. Polish parents most often mentioned the delayed speech development (73.3%) and the development delay (63.3%). Parents from Belarus - repetition of the same activities (96%), and parents from France - obsessive repetition of behaviours (82.1%). Details are provided in Table 1.

<table>
<thead>
<tr>
<th>Symptoms of autism</th>
<th>Poland</th>
<th>Belarus</th>
<th>France</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>delayed speech development</td>
<td>73.3%</td>
<td>24.0%</td>
<td>60.7%</td>
<td>0.0009***</td>
</tr>
<tr>
<td>impaired social communication</td>
<td>50.0%</td>
<td>68.0%</td>
<td>46.4%</td>
<td>0.2451</td>
</tr>
<tr>
<td>no response to the name, commands</td>
<td>56.7%</td>
<td>56.0%</td>
<td>42.9%</td>
<td>0.5071</td>
</tr>
<tr>
<td>repeating the same activities</td>
<td>50.0%</td>
<td>96.0%</td>
<td>60.7%</td>
<td>0.0009***</td>
</tr>
<tr>
<td>fluttering with hands</td>
<td>46.7%</td>
<td>56.0%</td>
<td>67.9%</td>
<td>0.2653</td>
</tr>
<tr>
<td>attachment to routine</td>
<td>43.3%</td>
<td>28.0%</td>
<td>71.4%</td>
<td>0.0055**</td>
</tr>
<tr>
<td>tantrums, fury</td>
<td>30.0%</td>
<td>52.0%</td>
<td>64.3%</td>
<td>0.0298*</td>
</tr>
<tr>
<td>lack of natural fear</td>
<td>46.7%</td>
<td>36.0%</td>
<td>39.3%</td>
<td>0.7080</td>
</tr>
<tr>
<td>sleep, nutrition disorders</td>
<td>43.3%</td>
<td>32.0%</td>
<td>35.7%</td>
<td>0.6714</td>
</tr>
<tr>
<td>the impression of absence</td>
<td>56.7%</td>
<td>36.0%</td>
<td>28.6%</td>
<td>0.0784</td>
</tr>
<tr>
<td>bed-wetting</td>
<td>33.3%</td>
<td>8.0%</td>
<td>17.9%</td>
<td>0.0623</td>
</tr>
<tr>
<td>biting</td>
<td>50.0%</td>
<td>32.0%</td>
<td>25.0%</td>
<td>0.1232</td>
</tr>
<tr>
<td>mental numbness</td>
<td>23.3%</td>
<td>20.0%</td>
<td>10.7%</td>
<td>0.4388</td>
</tr>
<tr>
<td>no response to commands</td>
<td>50.0%</td>
<td>32.0%</td>
<td>17.9%</td>
<td>0.0144*</td>
</tr>
<tr>
<td>delay in development</td>
<td>63.3%</td>
<td>80.0%</td>
<td>39.3%</td>
<td>0.0094**</td>
</tr>
<tr>
<td>pedantry</td>
<td>13.3%</td>
<td>36.0%</td>
<td>3.6%</td>
<td>0.0057**</td>
</tr>
<tr>
<td>unwillingness to change in routine</td>
<td>26.7%</td>
<td>36.0%</td>
<td>42.9%</td>
<td>0.4300</td>
</tr>
<tr>
<td>low / excessive sensitivity to stimuli</td>
<td>20.0%</td>
<td>16.0%</td>
<td>64.3%</td>
<td>0.0001***</td>
</tr>
<tr>
<td>obsessive repetition of behaviours</td>
<td>10.0%</td>
<td>68.0%</td>
<td>82.1%</td>
<td>0.0000***</td>
</tr>
</tbody>
</table>

Table 2. presents a detailed analysis of the answer to the question concerning the truthfulness of certain statements about autism in the consciousness of the respondents from different countries. On many issues statistically significant differences were observed between the respondents from Poland, Belarus and France.

<table>
<thead>
<tr>
<th>Characteristics of autistic children</th>
<th>Poland</th>
<th>Belarus</th>
<th>France</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>they do not hug</td>
<td>7%</td>
<td>50%</td>
<td>40%</td>
<td>3%</td>
</tr>
<tr>
<td>they do not look in the eyes</td>
<td>23%</td>
<td>20%</td>
<td>57%</td>
<td>0%</td>
</tr>
<tr>
<td>autism only affects children</td>
<td>3%</td>
<td>55%</td>
<td>31%</td>
<td>10%</td>
</tr>
<tr>
<td>all autistic children behave the same</td>
<td>0%</td>
<td>73%</td>
<td>27%</td>
<td>0%</td>
</tr>
<tr>
<td>they are aggressive</td>
<td>3%</td>
<td>27%</td>
<td>67%</td>
<td>3%</td>
</tr>
<tr>
<td>autism is caused by the mother’s attitude</td>
<td>0%</td>
<td>47%</td>
<td>43%</td>
<td>10%</td>
</tr>
<tr>
<td>people with autism do not speak</td>
<td>10%</td>
<td>23%</td>
<td>57%</td>
<td>10%</td>
</tr>
<tr>
<td>if someone can speak, it is not autism</td>
<td>10%</td>
<td>43%</td>
<td>40%</td>
<td>7%</td>
</tr>
<tr>
<td>they avoid people, they isolate themselves</td>
<td>7%</td>
<td>47%</td>
<td>43%</td>
<td>3%</td>
</tr>
</tbody>
</table>
Autistic children are calm 7% 37% 57% 0% 12% 8% 80% 0% 36% 18% 46% 0% 0.0166*
People with autism create their own world 23% 27% 33% 17% 48% 8% 16% 28% 71% 4% 25% 0% 0.0009***
Children with autism tend to turn various objects 20% 30% 50% 0% 60% 4% 36% 0% 71% 18% 11% 0% 0.0021**
People with autism are exceptionally talented 3% 28% 59% 10% 20% 0% 68% 12% 50% 4% 46% 0% 0.0001***
Autism is incurable 24% 28% 24% 24% 48% 20% 8% 24% 48% 44% 8% 0% 0.0236*
Autism is associated with mental retardation 3% 37% 57% 3% 12% 36% 48% 4% 25% 21% 54% 0% 0.2582
Autistic children do not understand what is being said to them 10% 31% 52% 7% 0% 44% 56% 0% 4% 11% 81% 4% 0.0607
Children grow out of autism 7% 60% 13% 20% 4% 67% 13% 17% 0% 86% 14% 0% 0.2003
The child should be sent to kindergarten 10% 34% 41% 7% 42% 17% 38% 4% 0% 82% 11% 7% 0.0000***
Autism is a form of schizophrenia, a mental illness 7% 55% 24% 14% 32% 28% 16% 24% 14% 61% 25% 0% 0.0178*
People with autism have no ambition, no sense of dignity 21% 31% 38% 10% 17% 26% 30% 26% 64% 7% 29% 0% 0.0008***
Children with autism are not interested in other children 17% 40% 40% 3% 8% 33% 50% 8% 0% 14% 75% 0% 0.0788
They do not have any interests 3% 40% 43% 13% 0% 58% 33% 8% 0% 14% 82% 4% 0.0092**
People with autism are sad 7% 41% 45% 7% 4% 67% 21% 8% 0% 43% 57% 0% 0.1152
The speech of these people is monotonous as if they were chanting 14% 24% 48% 14% 21% 17% 46% 17% 32% 29% 39% 0% 0.2699
People with autism do not like changes 30% 30% 30% 10% 50% 21% 25% 4% 89% 7% 4% 0% 0.0013**

All respondents from France chose the statement that the treatment of autism should be started before the age of 3. A similar opinion was expressed by 86.7% of respondents from Poland and 83.3% from Belarus. Starting the therapy before the age of 5 was preferred by 13.3% of parents from Poland and 4.2% from Belarus, and after 7 years of age - 4.2% of respondents from Belarus. 8.3% of Belarusians parents considered the time before puberty to be optimal to start the treatment. The distribution of responses did not differ significantly between the countries (p = 0.0588).

The views of the respondents from individual countries on the scope of therapy of a sick child were different. 50% of parents from Poland, 88% from Belarus and 89.3% from France (p=0.0005**) preferred to receive the preparation in the form of explaining the child’s behaviour. Extension of forms of contact with a child was emphasized by 33.3% of parents from Poland, 68% from Belarus and 57.1% from France (p=0.0295*). Stimulation of the child for social contacts was indicated by 66.7% of respondents from Poland, 92% from Belarus and 71.4% from France (p=0.725). 30% of parents from Poland, 72% from Belarus and 53.6% from France (p=0.0076**) were in favour of pharmacological treatment. Only 6.7% of respondents from Poland (p=1636) claimed that the child cannot be cured, and 16.7% had a dilemma of which answer to choose (p=0.0091**).

The majority of Polish (86.7%) and French (78.6%) parents believed that the diet is an effective secondary treatment in the case of autism, which is a false assumption. Only 8% of Belarusian parents expressed this opinion. 56% of the Belarusian parents and 10.7% of the respondents from France doubted the effectiveness of the diet, whereas 13.3% of respondents from Poland, 36% from Belarus and 10.7% from France had a problem with the response. The distribution of responses differed significantly between the countries (p = 0.0000***).

Similarly, Polish parents (41.4%) believed that there is an effective medication which helps to neutralize the symptoms of autism. Parents from other countries were more restrained in their optimism, because 4% of parents from Belarus and 14.3% from France thought so. A significantly different opinion was expressed by 27.6% of respondents from Poland, 32% from Belarus and 46.4% from France. 31% of respondents from Poland, 64% from Belarus and 39.3% from France were undecided on the above issue. The distribution of responses differed significantly between the countries (p = 0.0048**).
Parents from Poland (69%) and Belarus (76%) were mostly convinced that autism cannot be cured completely. Parents from France (39.3%) believed so. 44.9% of parents from France, 17.2% from Poland and 4% from Belarus were convinced that autism can be cured completely. An unequivocal answer was not given by 13.8% of respondents from Poland, 20% from Belarus and 17.9% from France. The distribution of responses differed significantly between the countries (p = 0.0101*).

Most parents (56.7% from Poland, 76% from Belarus, 96.4% from France) were aware that one-time examination of a child was not enough. A different opinion was expressed by 30% of respondents from Poland, 8% from Belarus and 3.6% from France. 13.3% of respondents from Poland and 16% from Belarus had a problem with answering this question. The distribution of responses differed significantly between the countries (p = 0.0043*).

It was concluded that there is a strong differentiation in the sources of knowledge about autism that were used by parents from three countries. The Internet was indicated by 83.3% of parents from Poland, 52% from Belarus and 46.4% from France (p=0.0079**). The psychologist was mentioned by 36.7% of parents from Poland, 76% from Belarus and 67.9% from France (p=0.0065 **). As a preferred medium the Internet was indicated by 76.6% of parents from Poland, 36% from Belarus and 39.3% from France (p=0.0029**), a doctor - 43.3% of parents from Poland, 48% from Belarus and 64.3% from France (p=0.252), the press - 60.3% of parents from Poland, 20% from Belarus and 21.4% from France (p=0.0015**), and a nurse - 3.3% of parents from Poland and 28.6% from France (p=0.0010**).

The vast majority of respondents (90% from Poland, 100% from Belarus, 92.9% from France) felt the need to deepen their knowledge about autism. 3.3% of parents from Poland and 3.6% from France did not feel such a need, and 6.7% of respondents from Poland and 3.6% from France had a problem with the response. The distribution of responses did not differ significantly between the countries (p=0.6104).

There were very clear statistical differences in the choice of the preferred educator by parents depending on the country of residence. The psychologist was preferred by 56.7% of parents from Poland, 88% from Belarus and 57.1% from France (p=0.0228*). The family doctor was indicated by 53.3% of respondents from Poland, 12% from Belarus and 53.6% from France (p=0.0020 **). The paediatrician was mentioned by 73.3% of respondents from Poland, 20% from Belarus and 17.9% from France (p=0.0000**). 43.3% of parents from Poland and 40% from Belarus (p=0.0003**) indicated a pedagogue as an educator and a nurse - 33.3% of parents from Poland, 4% from Belarus and 21.4% from France (p=0.0270*). 10% of respondents from Poland and 8% from Belarus (p=0.2460) were undecided on the above issue.

Parents preferred very different forms of transfer of knowledge. An individual interview was indicated by 60% of parents from Poland, 44% from Belarus and 78.6% from France (p=0.0350*). Lecture - 53.3% of parents from Poland, 284% from Belarus and 46.4% from France (p=0.1554). Film - 60% of parents from Poland, 16% from Belarus and 28.6% from France (p=0.0019**). Leaflets/brochures - 30% of parents from Poland, 20% from Belarus and 14.3% from France (p=0.3386), and wall leaflets - 16.7% of parents from Poland and 10.7% from France (p=0.1105). 16.7% of parents from Poland and 16% from Belarus had a problem with unequivocal response (p=0.0763).

The hypothesis put forward at the beginning of the study assumed that parents were largely interested in gaining the knowledge about their child’s disease, mainly in the field of forms of therapy. On the basis of the results of the study, different views of respondents from different countries on the scope of treatment of a sick child were observed, e.g. Polish respondents barely considered as important the preparation of parents aimed at gaining understanding of their child’s behaviour, while the treatment aspect was indicated by almost 90% of respondents from the other two countries.

Discussion

Raising an autistic child is not a simple or easy matter, however, it is not devoid of much joy. Nevertheless, people struggling with this problem need to be able to obtain the adequate knowledge about the condition and the support from their environment.

The majority of autistic patients’ present behaviours that can cause significant stress in their families. Therefore, parents need to learn many strategies to support their child. Understanding the experiences of parents of children with autism is essential for the development and delivery of parental support systems.

Koydemir-Ozden and Tosun [14] examined 13 mothers (aged 30-40 years) of children with autism (aged 7 to 14 years). The analysis of the research allowed to identify categories and sub-categories, such as: reaction to a child’s disability, experience of stress and burnout, involvement in the child’s education and evaluation of measures dealing with the child’s education and distinguished several zones within which categories and sub-categories...
emerged [14]. Zone I - mother’s understanding of disability [14], consists of two categories 1 - description of autism by the mother and 2 - a degree of information on autism and ways of obtaining further information about it. Zone II - responding to disability [14], consist of typical reactions to the diagnosis experienced by parents: shock, rejection, denial, depressive states, sadness. In this zone, further categories have been distinguished: 3 - stress and burnout and ways of coping with stress, 4 - inclusion of the child in education, 5 - evaluation of the Special Education Centre and teachers (committed, helpful, compassionate), 6 - the impact the child has on the personal life of the mother and 7 - hopes and expectations for the future (for both mothers and children).

Konwińska et al. [15] included 346 people aged 16 to 18 years in the study and their aim was to assess their knowledge about autism. Every second woman was able to name at least three features of this disease (55%), while only 37% of men knew what autism was. The awareness of the respondents about autism is similar to the lack of knowledge about it. The study has shown that high school students have disturbingly high deficits in the knowledge about autism [15].

189 people aged 16 to 19 years participated in the study by Marecka [16], and it was found that the women's awareness of this disease was significantly higher (38.6%) than men's (27.3%). However, the above did not change the fact that only 36% of young people were able to name at least three symptoms of autism [16].

Unfortunately, in the present study it also has been concluded that the parents of autistic children, regardless of the country, showed a low level of knowledge about autism.

Kurpas et al. [17], from February to April 2009, were conducting surveys among parents of children with autistic disorders. The study involved 35 parents of children with comprehensive developmental disorders - 29 mothers and 6 fathers. Parents expressed the need to cooperate with a psychologist. They emphasized that such help was needed for all family members.

In the present study there were clear statistical differences in the choice of a psychologist as an educator of parents, hence such form of help was preferred by 56.7% of parents from Poland, 88% from Belarus and 57.1% from France and as a source of knowledge about autism - 36.7% of parents from Poland, 76% from Belarus and 67.9% from France.

Palka [18], in their studies on family support for children with autism spectrum, point to the most frequently asked questions of family assistant nurses in making critical decisions, information on available therapies and planning the future of a sick child. The authors [18] conclude that the families of children with autism, after receiving professional information support from nurses, are able to understand the nature of their child’s disability and meet its challenges and learn to function well.

In the present study, 33.3% of parents from Poland, 4% from Belarus and 21.4% from France indicated a nurse as a source of knowledge about the child’s disease, while 3.3% of parents from Poland and 28.6% from France perceived them only as an educator.

90% of all parents in the Bodora study expected to obtain reliable information and guidance from the specialists [19]. All 25-35 year olds, 95% of 36-45 year olds and 83% of 46 year olds and above needed to obtain complete, true and comprehensive information [19]. However, the lack of cooperation of specialists in the area was felt by 66% of the total number of respondents, and the coldness of professionals - 56% of them. A significant role of mass media in familiarizing with the problem of autistic children and their families was indicated by 80% of all participants in the Bodora study, including the largest number of parents aged 36-45 years (85%). Parents in the 25-35 age group also pointed to the importance of the mass media in making the public aware of what autism is and what it means (67%), and 79% of parents in the age group of 46 and above also believed that the media can help to solve problems of coexistence with an autistic child [19].

In the study conducted by Konwińska et al. [15] 72% of women and 51% of men were of the opinion that the media should definitely be interested in the problem of autism, while in Marecka study [16] - 60% of women and 27.3% of men surveyed indicated the answer: “The media should definitely be interested in issues related to autism”, and 3.7% of the respondents did not want the subject of autism to be addressed in the media at all.

On the basis of the present study, it was found that the vast majority of respondents (90% from Poland, 100% from Belarus, 92.9% from France) felt the need to deepen their knowledge about autism. However, there was a strong diversity in the sources of knowledge about autism, which were used by parents from three countries - Poles were most likely to use the Internet and information in the media, whereas Belarusians and French - a specialist (psychologist, doctor, nurse).

In many countries, specialist centres are being established, such as the “GiantSteps” Autistic Children's Therapy Centre in Canada, or the St. Colman's School in the United States, whose educational programme covers not only children, but also their parents [12, 20, 21]. The counselling, awareness-rising, education, and support for families influence the better functioning of families with autistic children and improve the quality of their lives [12, 20, 21].
In Manchester, for Mockett [22], since early 1998, the standard of conduct is early intervention and interdisciplinary cooperation of specialists (psychiatry, paediatrics, speech therapy, psychology, physiotherapy) with parents who have the opportunity to participate in similar programs every year.

The purposefulness of the above is justified, e.g. by the results of the research conducted by Konwińska et al. [15] and Marecka et al. [16] showed that young people participating in sensory workshops had little knowledge about autism before the workshops, and it significantly increased after the classes. Disseminating the knowledge about autism is very important. The fact that this is still a neglected issue may be worrying.

In Poland, as noted by Czenczek et al. [13] under the auspices of associations and foundations dealing with autistic children, schools are also starting to operate, in which special branches for autistic children are organized, however, still too little support is directed towards their parents and guardians.

Nevertheless, it should also be remembered that every child with autistic disorder is exceptional and unique, which is why parents must show their great sensitivity, openness and perceptiveness in order to be able to see and understand the signals transmitted to them by their children. The above may be summarised through the words of Igancio Estrada - "If children are unable to learn in the way we teach them, perhaps we should start to teach them in the way they learn."

Conclusions

1. The parents of autistic children, regardless of the country, showed a low level of knowledge about autism.
2. The vast majority of the respondents declared the desire to deepen their knowledge about autism, expressing their preference to have an individual conversation with an educator.

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