



Article Health-Related Quality of Life in Kindergarten Children with Developmental Language Disorder: Child–Mother Agreement

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Abstract: Language disorders are associated with difficulties in various aspects of life, such as academic and social functioning, resulting in impaired health-related quality of life (HRQoL). Most studies use a parent proxy method to assess HRQoL. Since HRQoL refers to the subjective experience of an individual, it is necessary to assess children's perspectives along with their mothers'. The aim of the current study is to explore HRQoL rating agreement between children and their mothers, since the literature on other conditions suggests that discrepancies seem to reflect their different perspectives. Thus, 53 Greek-speaking children diagnosed with DLD attending kindergarten and their mothers completed, respectively, self-report and parent proxy PedsQLTM questionnaires. Mothers reported significantly better HRQoL than their children with developmental language disorder (DLD) in all HRQoL domains (p < 0.001). Poor agreement was revealed after comparing the scores from both responders, both in abstract domains, such as emotional functioning, as well as in more observable ones, such as physical health (ICC ranged from -0.05 to 0.07). Bland-Altman plots also showed poor agreement on HRQoL. Our results expand on the already known, from other conditions, importance of evaluating children's subjective experience of their HRQoL in kindergarten children with DLD. A multi-informant approach is ideal, and clinicians should prioritize children's view about their lives even when they are kindergarten-age. This approach could inform interventions focusing not only on language skills but also on other areas where it is necessary, depending on the child's subjective experience combined with the maternal perspective.

Keywords: developmental language disorder; HRQoL; child-parent agreement; kindergarten; preschool

1. Introduction

Parents have been considered to have knowledge about the feelings and thoughts of their children, and therefore to be able to represent them with accuracy in health-related issues. However, this conception has been challenged since research has shown that the views of children and their parents may differ [1–3]. Given this, the primary aim of the current study is to explore the agreement in terms of health-related quality of life (HRQoL) between mothers and kindergarten-age children diagnosed with developmental language disorder (DLD).

DLD is a quite common developmental disorder diagnosed in the preschool years. It refers to low language ability in the absence of biomedical conditions that could explain the deficit [4,5]. According to the literature, 6–8% of preschool children have DLD [6]. Children with DLD have significant difficulties in learning, understanding, and using spoken



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Copyright: © 2023 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (https:// creativecommons.org/licenses/by/ 4.0/). language. Moreover, their educational performance may be affected (reading disabilities, spelling problems, math) [7]. Different terms (specific language impairment, language delay, developmental language disorder, and developmental dysphasia) have been used for language disorders, but currently the consensus is to use the term DLD and this term will be used in this study hereafter [4,5,8]. It is known that DLD has been associated with difficulties in various aspects of children's life, such as psychosocial functioning [7,9–11]. The literature suggests that children with DLD face difficulties with relationships, emotions, achievement, independence, and support while adolescents are more likely to experience anxiety and depression [7,12–14]. Moreover, adults with a history of DLD are twice as likely to go over a year without employment as other adults [15]. An assessment of the impact of language disorders on children's functioning might be useful, as clinicians could address this impact during the intervention process, along with interventions focusing on language skills. A recent study [16] reported that more than half of children with poor language had declining trajectories in HRQoL from 4 to 13 years old, indicating that interventions should also address the functional impact of low language.

HRQol in Developmental Language Disorder

Children's functioning can be assessed by measuring their HRQoL, which is a term that encompasses an individual's perspective on how a disorder impacts their life [17]. Specifically, HRQoL is defined as "those aspects of self-perceived well-being that are related to or affected by the presence of disease or treatment" [18]. Moreover, HRQoL is considered a subdomain of quality of life, which includes health-related domains of life [2]. Simply, HRQoL can be defined as a useful indicator of overall health because it captures information on the physical and mental health status of individuals, and on the impact of health status on quality of life [19]. Many studies [16,20,21] have explored HRQoL in children with language problems. According to the literature, a mild presentation of DLD (the term used in this study was specific language impairment) in children aged 8-11 years old has an impact on sleep and speech but not on overall HRQoL score, according to their own reports [22]. However, when it comes to more severe presentations of the disorder, HRQoL was affected, especially in terms of social and physical functioning, according to children's (5–16 years old) and parents' views [23]. Moreover, parents of children aged 8–18 years old with DLD recorded significantly lower HRQoL scores on all dimensions compared with the parents of their typical peers [24]. In a prospective study [14], children with DLD had lower parent-reported HRQoL than their typical peers at 9 years old, but these differences were not associated with DLD severity, except for school functioning.

There is an ongoing debate on the most appropriate respondent for the assessment of children's HRQoL in the health outcome literature [25,26]. HRQoL captures the subjective experience of an individual related to their own impairment (among other things), and therefore it is important to ask children for their own self-report, rather than taking into consideration only parent reports [27]. Children with communication disorders may find it difficult to accurately report their own experience concerning HRQoL [26,28,29]. However, there are studies suggesting that five-year-old children or even younger children may be able to express their subjective view on HRQoL and well-being [29,30]. Above all, in medical care and child research, it is highly recognized that children's self-reporting of HRQoL is of high value [31]. Parents may also provide useful and valid information on some aspects of their children's life that are more observable, but this might be less valid when evaluating more abstract issues such as emotional aspects [3,26,32]. Children and parents may evaluate HRQoL based on different factors, e.g., parents may worry about future school functioning, which might not be the case for a child in kindergarten with language disorder. Therefore, parent reports cannot substitute child reports, a problem known as the proxy problem [33]. In this context, the importance of obtaining children's self-reports about their functioning, well-being, and health is recognized in clinical and research settings; therefore, a combination of child self-reported and parent-proxy-reported HRQoL may provide more comprehensive information about the impact of a condition on a child's life [31].

Agreement studies in developmental disorders are limited. In a recent study, Ottosson et al. [34] found that 6-year-old children with DLD reported impairment mainly in school functioning, whereas parents reported no impairment in the children's quality of life. It is worth noting that this was a comparison study, but no agreement analysis was used. In children under 6 years old with developmental coordination disorder (DCD), authors [35] found no differences in reported HRQoL between children and their parents. Furthermore, in a study [36] with school-age children suffering from Tourette syndrome, significant agreement between children's and their parents' reports was found on all HRQoL dimensions and psychosocial functioning domains of PedsQL. Finally, a systematic review [1] including medical and developmental conditions revealed moderate and poor levels of child–parent agreement; higher agreement was found on observable than on non-observable domains.

The literature is sparse in terms of parent-reported HRQoL in children diagnosed with DLD and non-existent regarding children's perspectives on HRQoL. However, the sample in an Australian study included children with a starting age of 5 years, but the mean age was 8.74 [21]. It is important to obtain children's perspective on their HRQoL since there is evidence that, when provided with age-appropriate information, they can communicate their health needs [37,38].

This also applies to children and adolescents with language problems, as research has shown that they are aware of their communication difficulties [39]. HRQoL studies have the potential to aid in identifying the children's needs and guide interventions for children with DLD [24]. Various studies have used HRQoL measures in children and adolescents with language problems, since it is important for their experiences to be acknowledged, as has been highlighted in the United Nations Convention of the Rights of the Child [20,40–42]. To the best of our knowledge there are no studies exploring the level of child-parent agreement on HRQoL in kindergarten children with DLD. Information about HRQoL provided by both children and parents might be used to inform clinical decisions when providing interventions or counselling to parent-child pairs [43]. Given this gap, the aim of this study was to explore how kindergarten children diagnosed with DLD and their mothers report the children's HRQoL and if their ratings agree or disagree. We hypothesize, based on previous research on other conditions, [2,28] that for more abstract concepts, such as psychosocial domains, the level of agreement will be low, whereas for more observable aspects, such as physical health, the level will be high. Findings from studies like the current one could inform interventions considering both children's and parents' perspectives. Therefore, interventions could target aspects of HRQoL (e.g., social and emotional functioning) affected by language difficulties and improve children's well-being.

2. Materials and Methods

2.1. Participants

Participants included 53 Greek-speaking children attending kindergarten (in Greece, 5–6 years old) and their mothers. They were recruited from a community child and adolescent mental health service (CAMHS) at a tertiary university hospital between January 2021 and March 2022. The mean age of the children was 5.36 ± 0.48 (range 5–6) and there were 30 boys and 23 girls. All of the children were enrolled in kindergarten, as preschool education is mandatory in Greece. Additionally, the sample exclusively included mothers, as they are typically considered the primary caregivers [44], with a mean age of 38.51 ± 5.2 years.

In Greece, the common pathway for the evaluation of children with language difficulties is to request a diagnostic assessment to be completed at a CAMHS. The intervention could be completed in the public sector or privately. All children diagnosed with DLD in our CAMHS during the study period, and their parents, were asked to participate in the study. None of the parents or children refused to participate in the study. All children in our sample underwent clinical assessment by a speech and language therapist and then by a child and adolescent psychiatrist to exclude other developmental disorders such as autism spectrum disorder (ASD) or intellectual disability (ID). Diagnosis was made by clinical evaluation, and eligibility criteria for participation in the study were (a) diagnosis of developmental language disorder independently of severity; (b) not following a speech—language intervention; (c) being native speakers of Greek; (d) presenting only expressive and not receptive language difficulties; and (e) not suffering from any medical condition (that could affect HRQoL) or having any mental or other developmental disorder. All mothers and children were informed about the purposes of the study and confidentiality verbally and in writing by the speech and language therapist; mothers were requested to sign a consent form while the children provided their consent verbally. Mothers completed the parental forms in the waiting room, while the children independently filled out the questionnaire administered by the speech and language therapist after their child psychiatry evaluation, without the presence of their mothers.

The study was conducted according to the guidelines of the Declaration of Helsinki and ethical approval was obtained from the ethical committee of our institution (University Hospital of Ioannina, Reference number: 989—21December 2020).

2.2. Measures

In this study, Pediatric Quality of Life Inventory (PedsQLTM) 4.0 Generic Core Module self- and parent-proxy-reported HRQoL was used [29,45–47]. Specifically, the young child self-report and parent-proxy version for ages 5-7 were used. The young child self-report version employs a simplified 3-point Likert scale going from 'not at all' to 'a lot' with smiley faces to aid children complete the rating task. Specifically, the three options are not at all (indicated as 0), sometimes (indicated as 2), and a lot (indicated as 4). The parent proxy version employs a 5-point Likert scale (from 0 to 4 as in the child version) going from "never" (indicated as 0) to "almost always" (indicated as 4). Both versions comprise 23 items distributed across 4 dimensions: physical functioning (8 items), emotional functioning (5 items), social functioning (5 items), and school functioning (5 items). Each statement asks the child or the parent: "How much of a problem has this been for you/your child?". Examples for the child and parent versions for each dimension respectively are: physical functioning: "it is hard for me to do sports activity or exercise/participating in sports activity or exercise"; emotional functioning: "I feel sad or blue/feeling sad or blue"; social functioning: "Other kids tease me/getting teased by other children"; and school functioning: "It's hard to pay attention in class/paying attention in class". The scales generate two summary scores: a psychosocial health summary score (the sum of the emotional, social, and school functioning dimensions) and a physical health summary score which is identical to the physical functioning dimension. Finally, a total score is calculated from the sum of all of the items over the number of items answered (this accounts for missing data). If more than 50% of the items in the scale are missing, the scale score is not computed. All items (both in the child and the parent versions) are reverse-scored and linearly transformed to a 0–100 scale (e.g., 0 = 100, 1 = 75, 2 = 50, 3 = 15, 4 = 0) where higher scores indicate better HRQoL.

2.3. Statistical Analysis

The Statistical Package for Social Sciences v28 for MacOS and the Blandr Jamovi Module were used [48,49]. Mean values for continuous variables and percentages for categorical variables were used. We assessed differences in self-report and parent-proxy HRQoL reports separately for each dimension, summary scores, and total score using the non-parametric Wilcoxon rank test. The statistical significance of the *p*-value was set to 0.008, after Bonferroni correction. The internal reliability (Cronbach's alpha coefficients) of both versions (child and parent) of the PedsQLTM 4.0 was calculated. The level of agreement between child self-reports and parent proxy-reports was analyzed using intraclass correlation coefficient (ICC) absolute agreement. ICC values less than 0.5, between 0.5 and 0.75, between 0.75 and 0.9, and greater than 0.90 are indicative of poor, moderate, good, and excellent reliability, respectively [50]. Negative ICC values indicate that the difference between subjects is larger than the difference within subjects. Individual child–parent

agreement was also evaluated by visual inspection of the Bland–Altman plots with the *y*-axis representing differences in child–parent agreement plotted against their means (plotted on the *x*-axis). An advantage of the Bland–Altman plot over ICC is that it gives an indication of the discrepancy from equality and also reveals the range of the values. The limits of agreement were computed, and perfect agreement between a child and a parent entails that the discrepancy score is equal to zero. The plot can be evaluated according to the dispersion of the dots. If the dots are located close to the mean bias line and the scattering of the dots is diminished, then there is high agreement. The more dispersed the dots are, the poorer the agreement. A sample size of approximately 50 patients is required to provide a reasonable number of dots in a Bland–Altman plot to estimate the limits of agreement [51].

3. Results

3.1. PedsQL Reliability

Cronbach's alpha for the parent version in this study was 0.83, indicating a good reliability level, whereas the alpha coefficient for the child version was 0.71, indicating that the scale is acceptable.

3.2. Child Self-Reported and Parent-Reported HRQoL

Table 1 shows the mean scores in each dimension, summary scores, and total score for children and mothers' reports. Children recorded the highest score in the school functioning dimension (78.7 \pm 13.6) followed by physical (73.1 \pm 13.8) and social functioning (72.6 \pm 22.2). The lowest score on the HRQoL was recorded by the children in the emotional dimension (64.9 \pm 19.0). A similar pattern was observed in maternal reports. Mothers evaluated their children's physical functioning as highest (87.6 \pm 13.8), followed by school (87.0 \pm 13.1) and social (85.6 \pm 16.1) functioning. Mothers reported that the emotional functioning of their children was lower compared with other dimensions of HRQoL.

Table 1. Mean and SD for all HRQoL domains on the child self-reported and parent-proxy-reported PedsQLTM 4.0.

HRQoL Domains	Child Self-Report Mean \pm S	Parent Proxy Report 5D (N = 53)	p	
Physical Functioning	73.1 ± 13.8	87.6 ± 13.8	< 0.001	
Emotional Functioning	64.9 ± 19.0	81.8 ± 14.7	< 0.001	
Social Functioning	72.6 ± 22.2	85.6 ± 16.1	< 0.001	
School Functioning	78.7 ± 13.6	87.0 ± 13.1	< 0.001	
Physical Health	73.1 ± 13.8	87.6 ± 13.8	< 0.001	
Psychosocial Health	72.1 ± 13.8	84.8 ± 11.1	< 0.001	
Total Score	72.4 ± 12.2	85.7 ± 10.3	< 0.001	

In all dimensions, summary scores, and total score, mothers rated their child's HRQoL statistically significantly (p < 0.001) higher compared with the subjective experience of their children. This finding indicates that mothers probably overestimated the HRQoL of the children.

3.3. Level of Child–Parent Agreement

Child–parent agreement was very poor (ICC < 0.40) for all aspects of HRQoL. Physical, social, and school functioning as well as physical health had ICC values of 0.07, 0.07, 0.05, and 0.07, respectively, indicating very low child–parent agreement. Emotional functioning, psychosocial health, and total score had negative ICC values. Therefore, on these dimensions, mothers and their children differ from each other, on average, more than each child differs from the other children (Table 2).

HRQoL Domains	ICC	
Physical Functioning	0.07	
Emotional Functioning	-0.05	
Social Functioning	0.07	
School Functioning	0.05	
Physical Health	0.07	
Psychosocial Health	-0.05	
Total Score	-0.05	

Table 2. Agreement between child self-report and parent proxy report on all HRQoL domains on the $PedsQL^{TM}$ 4.0.

ICC: Intraclass correlation coefficient.

To further examine child–parent agreement on the physical and psychosocial scores as well as the total score for the PedsQLTM, Bland–Altman plots (Figure 1) were plotted. Child–parent agreement differences are indicated by dots, while the size of the dots increases with increasing numbers of child–parent pairs with the same difference in score.



Figure 1. Bland–Altman plots for child–mother agreement on the $PedsQL^{TM}$ physical health, psychosocial health, and total scores. The *y*-axis represents differences in child–parent agreement plotted against their mean (plotted on the *x*-axis). Perfect agreement between a child and a parent entails that the discrepancy score is equal to zero and this is plotted as the zero-bias line. The upper and lower limits of agreement are plotted as dashed lines.

The observed (lower and upper) limits of agreement (Table 3) for physical health were -21.8 and 50.6, for psychosocial health -23.2 and 48.6, and for total PedsQLTM score -19.2 and 45.8. The mean difference in the physical score was 14.4, in the psychosocial

score was 12.7 and in the total score was 13.3, indicating that mothers rate their children's HRQoL higher than their children for the above values (on average). Visual inspection shows a wide dispersion of the dots in all three plots, indicating poor agreement. Moreover, we can assume that the bias is significant since the line of equality is not within the confidence interval of the mean difference. Similar poor agreement was also observed for each dimension of the PedsQLTM.

Table 3. Bland–Altman Analysis for PedsQLTM Physical Health, Psychosocial Health, and Total Score.

HRQoL Domains	Limit of Agreement			
	Bias Estimate (95% CI)	Lower (95% CI)	Upper (95% CI)	
Physical Health	14.4 (9.3–19.5)	-21.8 (-30.513.0)	50.6 (41.9–59.4)	
Psychosocial Health	12.7 (7.6–17.8)	-23.2 (-31.914.5)	48.6 (39.9-57.3)	
Total Score	13.3 (8.7–17.9)	-19.2 (-27.111.3)	45.8 (37.9–53.7)	

CI: Confidence Intervals.

Overall, the observed poor agreement and the different ratings for HRQoL between children and their mothers highlights the importance of considering both perspectives in the intervention process and trying to help mothers to understand more clearly the perceptions of their children regarding their own HRQoL.

4. Discussion

The findings in the present study reveal that there is poor agreement between children and mothers in their assessments of HRQoL levels. In general, mothers reported better HRQoL than their children, which is not entirely consistent with the literature. A recent review [1] concluded that, in general, parents tend to perceive their children as having more difficulties than the children themselves believe they have, both in terms of physical and psychosocial health issues. We assume that the parents in our sample may have underestimated the impact of DLD on the lives of their children, because DLD is often considered a hidden impairment [7]. This might be the case for studies with community samples as well as in our study. This is because DLD is considered a developmental condition and not a disease, and its impact might not be as pronounced as in other developmental disorders like ASD or in medical conditions such as epilepsy [2].

Furthermore, within individual child–parent pairs, the level of agreement varied significantly, as indicated by the wide intervals between the limits of agreement for both physical and psychosocial health, as well as HRQoL total score. To the best of our knowledge, this is the first study in the literature to explore the level of agreement in HRQoL exclusively within a sample of kindergarten children with DLD. Our results differ from the previous literature, as we found poor agreement in all domains of HRQoL.

HRQoL agreement studies in developmental disorders

Previous studies [35,36] exploring child–parent agreement focused on children with other developmental disorders (DCD, Tourette syndrome), not DLD. A meta-analysis of the HRQoL of children with ADHD and their parents concluded that ratings did not differ significantly, but there was substantial variability in agreement across individual studies and with different HRQoL measures [52,53]. Poor agreement was found in a study involving children with ASD [54], potentially due to the communication difficulties autistic children often face. The same applies to adolescents with ASD in a study [55] that found low agreement for self-perception, autonomy, and parent relation. In Greek children with specific learning disorders poor agreement was also found [56]. This variation may be attributed to differences in the disorders themselves and the age spectrum studied. For example, children with DCD and Tourette syndrome do not experience language/communication difficulties. As a result, they may be able to self-report their own HRQoL experiences,

leading to higher agreement between their reports and those of their parents. Therefore, the absence of language difficulties might help parents to understand their children's HRQoL reports better. Consequently, agreement among parent and child HRQoL reports might be higher in conditions having no symptoms of language difficulties. Therefore, the presence of language difficulties combined with the young age of our sample may explain the difference in agreement compared with other studies involving neurodevelopmental disorders such as DCD and Tourette's. There are also studies reporting mixed results. In a study of adolescents with intellectual disability, a low correlation was found on the scales of physical and emotional health, while a moderate correlation was obtained on the school functioning subscale, the psychosocial summary scale, the social subscale, and the total scale [57].

DLD and HRQoL agreement

Literature suggests [2,3,28] that the agreement between parents and children in more abstract domains of HRQoL is low while it might be higher in more observable aspects such as physical health. However, this was not the case in our study, even if agreement was found to be poorer in abstract domains compared with more observable ones. The question is why this discordance between mother proxy reports and child self-reports exists in all domains of HRQoL in kindergarten children with DLD and why mothers significantly overestimate their children's HRQoL. One possible reason, especially on abstract domains (e.g., emotional functioning) may be that children of that young age might not be able to convey their feelings to their parents about the impact of their language difficulties on their lives. Moreover, due to their language difficulties they might not be able to express their feelings precisely. We cannot rule out the possibility that a child's capacity to understand the items in the questionnaire may have been compromised by the presence of DLD; yet, the questionnaire was administered with a speech therapist in the evaluation room, available for clarifications. Results in the literature, involving children diagnosed with various health conditions, have been inconsistent in relation to age in the discordance between child and parent agreement in HRQoL measures. There are studies showing that the agreement between child and parent is significantly lower for the youngest children of the family compared with the oldest ones and studies stating that the agreement is lower in adolescents compared with young children [58-60]. In Greek children (mainly from the general population), poor to moderate agreement has been found, especially among younger age groups. This has not been the case for children attending kindergarten, but this (poor to moderate agreement) was observed among 8- and 9-year-olds [61]. Considering this, the even-poorer agreement in our sample, which consists of kindergarten children with language difficulties, seems rather reasonable. Moreover, language difficulties per se in our DLD sample may exacerbate the limited ability of kindergarten children to report their emotional status. Therefore, mothers may be unaware of these non-observable experiences of their children as well as their non-expressed feelings. This could also apply to social functioning because mothers might not be able to evaluate the quality of the relationship or the frustration that a child with DLD may experience when communicating with their peers. Mothers may also rely on social comparisons to inform their decisions about the quality of life of their children. Since there is variability in children's language at that age, and children with DLD, especially of mild severity, may be closer to the norm, mothers may not be able to accurately determine HRQoL. A similar reason may account for the physical domain, which is a quite surprising result given the fact that it is an observable domain. Children as young as 4–5 years old with DLD may not find it easy to report their everyday difficulties in physical health to their mothers. Moreover, as HRQoL is a measure of subjective experience, parents may not report their observations but how difficult they believe a task for their children is, which is not quite observable. Furthermore, many parents might not know the developmental motor milestones (e.g., throwing a ball overarm, unbuttons buttons, dressing and undressing without assistance) [62]. Of course, these physical difficulties are not the consequence of a language disorder, but the language disorder could be the reason for the limited ability of children to inform their parents

about physical difficulties. In general, an explanation of why agreement may be poor due to language difficulties might lie in the poor language skills of children with DLD. It is known that children with DLD have more reduced vocabularies than their peers and have difficulties mapping labels to objects, and low language abilities may not promote the representation of emotional experiences [63–65]. It is possible for all these reasons that children may not express their thoughts and feelings accurately to their parents. Therefore, parents may not understand that they struggle and overestimate their HRQoL.

The literature is sparse concerning HRQoL in kindergarten children with DLD; we could not identify studies using self-reported measures solely in kindergarten children with DLD to compare our results. The lowest score for HRQoL in our sample was reported in emotional functioning and this might reflect the impact of the pandemic [66,67], since our study was conducted during the COVID-19 era.

4.1. Limitations

The present study has several limitations. First, the cross-sectional nature of the study limits our ability to catch changes in HRQoL; thus, we cannot argue that the results are directly a consequence of DLD. Therefore, longitudinal studies are needed to understand fully whether the agreement persists in other developmental periods such as school age and adolescence. Second, we did not account for the severity of DLD; therefore, we are not sure that the agreement would be the same in mild and severe presentations of the disorder. In that context, future studies should weigh participants according to their severity. Moreover, despite the existence of Greek PedsQLTM data, the lack of a control group limits the interpretation of whether children in our sample with DLD have impaired HRQoL. Therefore, future studies with a control group could provide more accurate information about the HRQoL of children with DLD. Additionally, the use of a generic HRQoL measure instead of a specific one for DLD raises the question of missing important dimensions of psychological functioning specific to children with DLD. Moreover, generic measures cannot assess outcomes adequately in DLD [20]. There are some specific measures for language disorders; however, they are not as extensively used and some of them are not validated in the pediatric population. There is little convergence that exists for a goldstandard HRQoL measure in DLD. As DLD may influence the capacity of children to accurately report their HRQoL, specific measures may overcome this barrier and give more appropriate information in future studies [20]. Furthermore, we collected data only from mothers, so we missed fathers' perceptions; future research in HRQoL agreement measures should also include them. One more limitation is the lack of standardized assessment measures (for the DLD diagnosis as well as for exclusion conditions), which limits the replicability of our results. Finally, the sample size may be considered small given the prevalence of DLD, even though it is adequate for statistical analysis. Moreover, in terms of representativeness, even if our CAMHS is the only public service in the region, many parents who can afford evaluation may seek it from private practice. However, the use for the first time of the PedsQLTM solely in kindergarten children with DLD as well as the clinical assessment (by the SLP and child psychiatrists to exclude comorbidity) of all children represent the strengths of our study. Additionally, children filled out the questionnaire without their mothers being present; therefore, this helped to eliminate the potential for children and mothers to collude and give more moderated responses.

4.2. Clinical Implications

We acknowledge that in clinical settings there is a need for a multi-informant approach in the assessment of children's health issues; thus, parent (and teacher) proxy-reports are essential for a comprehensive evaluation. We would like to stress, however, the importance of prioritizing children's right to express their views in all matters affecting them. Our findings show that mothers, on average, overestimate their children's HRQoL, but on the individual level there are dyads where the opposite can be observed. Therefore, we highlight the fact that both perspectives should be considered, as we believe that both are valid and broaden the view of a child's well-being.

5. Conclusions

Mothers of kindergarten children with DLD rated their children's HRQoL differently and significantly better compared with the rating provided by the children themselves. Our results suggest the importance of evaluating children's reports and not depending solely on the mother's perspective. While the poor agreement raises concerns about the accuracy of mothers' ratings, we cannot argue that either mothers' or children's reported HRQoL is more accurate than the other; they may simply reflect different perspectives. Indeed, a systematic review [1] concludes that discrepancies between child and parent reports reflect their different perspectives rather than an inaccuracy or a bias. This finding should be used by clinicians who should use both parent and child measures for decision-making in pediatric settings. The question is not whose perspective is right, but where each perspective may advance the intervention process to ensure the well-being of the child with DLD. In clinical settings, obtaining both perspectives may guide a more accurate conceptualization of the child's overall functioning that might inform a more comprehensive intervention plan. For example, clinicians may address, during the intervention process, children's emotional issues that are not captured by mothers and evaluate HRQoL as an outcome of their interventions. Moreover, mothers may participate in a consultation process to better understand their children's perspectives. Furthermore, in educational settings, educators might be alert for issues other than language difficulties (e.g., social or school functioning) and inform parents for them to have a more comprehensive view of their child. On the other hand, parents may inform educators (and school mental health professionals) about their child's own experience of functioning and therefore assist them in helping the child in the school setting; e.g., by enhancing their social abilities. This practice may assist in providing comprehensive care to children with DLD and ensuring that they receive health and educational services from which they would most benefit. Moreover, researchers should focus on factors that may contribute to the discrepancy between parents' and children's perspectives. Finally, studies should include children with clinical presentations of different severity, considering that DLD is an under-researched condition. In conclusion, our findings emphasize the importance of obtaining children's views regarding their own experience, even if they are of preschool age. Early intervention not only in language skills but in general in various aspects of HRQoL may minimize the impact of DLD. Expanding DLD research in all age groups and exploring its impact in various respects may help DLD stop being an underserved and under-researched disorder [7].

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References

- Hemmingsson, H.; Ólafsdóttir, L.B.; Egilson, S.T. Agreements and Disagreements between Children and Their Parents in Health-Related Assessments. *Disabil. Rehabil.* 2017, 39, 1059–1072. [CrossRef] [PubMed]
- Verhey, L.H.; Kulik, D.M.; Ronen, G.M.; Rosenbaum, P.; Lach, L.; Streiner, D.L. Quality of Life in Childhood Epilepsy: What Is the Level of Agreement between Youth and Their Parents? *Epilepsy Behav.* 2009, 14, 407–410. [CrossRef] [PubMed]
- Barbosa, J.; Tannock, R.; Manassis, K. Measuring Anxiety: Parent-Child Reporting Differences in Clinical Samples. *Depress.* Anxiety 2002, 15, 61–65. [CrossRef] [PubMed]
- Bishop, D.V.M.; Snowling, M.J.; Thompson, P.A.; Greenhalgh, T. Phase 2 of CATALISE: A Multinational and Multidisciplinary Delphi Consensus Study of Problems with Language Development: Terminology. J. Child Psychol. Psychiatry 2017, 58, 1068–1080. [CrossRef] [PubMed]
- 5. Bishop, D.V.M.; Snowling, M.J.; Thompson, P.A.; Greenhalgh, T. CATALISE: A Multinational and Multidisciplinary Delphi Consensus Study. Identifying Language Impairments in Children. *PLoS ONE* **2016**, *11*, e0158753. [CrossRef]
- Tomblin, J.B.; Records, N.L.; Buckwalter, P.; Zhang, X.; Smith, E.; O'Brien, M. Prevalence of Specific Language Impairment in Kindergarten Children. J. Speech Lang. Hear. Res. 1997, 40, 1245–1260. [CrossRef]
- McGregor, K.K. How We Fail Children with Developmental Language Disorder. Lang. Speech Hear. Serv. Sch. 2020, 51, 981–992. [CrossRef]
- Bishop, D.V.M. Ten Questions about Terminology for Children with Unexplained Language Problems. Int. J. Lang. Commun. Disord. 2014, 49, 381–415. [CrossRef]
- 9. Beitchman, J.H.; Wilson, B.; Brownlie, E.B.; Walters, H.; Inglis, A.; Lancee, W. Long-Term Consistency in Speech/Language Profiles: II. Behavioral, Emotional, and Social Outcomes. J. Am. Acad. Child Adolesc. Psychiatry 1996, 35, 815–825. [CrossRef]
- McCabe, P.C. Social and Behavioral Correlates of Preschoolers with Specific Language Impairment. Sch. Psychol. 2005, 42, 373–387. [CrossRef]
- 11. Reilly, S.; Tomblin, B.; Law, J.; McKean, C.; Mensah, F.K.; Morgan, A.; Goldfeld, S.; Nicholson, J.M.; Wake, M. Specific Language Impairment: A Convenient Label for Whom? *Int. J. Lang. Commun. Disord.* **2014**, *49*, 416–451. [CrossRef] [PubMed]
- 12. Markham, C.; van Laar, D.; Gibbard, D.; Dean, T. Children with Speech, Language and Communication Needs: Their Perceptions of Their Quality of Life. *Int. J. Lang. Commun. Disord.* **2009**, *44*, 748–768. [CrossRef] [PubMed]
- 13. Conti-Ramsden, G.; Botting, N. Emotional Health in Adolescents with and without a History of Specific Language Impairment (SLI). *J. Child Psychol. Psychiatry* **2008**, *49*, 516–525. [CrossRef] [PubMed]
- Eadie, P.; Conway, L.; Hallenstein, B.; Mensah, F.; McKean, C.; Reilly, S. Quality of Life in Children with Developmental Language Disorder. Int. J. Lang. Commun. Disord. 2018, 53, 799–810. [CrossRef] [PubMed]
- 15. Law, J.; Rush, R.; Schoon, I.; Parsons, S. Modeling Developmental Language Difficulties from School Entry Into Adulthood: Literacy, Mental Health, and Employment Outcomes. *J. Speech Lang. Hear. Res.* **2009**, *52*, 1401–1416. [CrossRef] [PubMed]
- Le, H.N.D.; Mensah, F.; Eadie, P.; McKean, C.; Sciberras, E.; Bavin, E.L.; Reilly, S.; Gold, L. Health-Related Quality of Life of Children with Low Language from Early Childhood to Adolescence: Results from an Australian Longitudinal Population-Based Study. J. Child Psychol. Psychiatry 2021, 62, 349–356. [CrossRef]
- 17. Spieth, L.E.; Harris, C.V. Assessment of Health-Related Quality of Life in Children and Adolescents: An Integrative Review. *J. Pediatr. Psychol.* **1996**, *21*, 175–193. [CrossRef] [PubMed]
- Ebrahim, S. Clinical and Public Health Perspectives and Applications of Health-Related Quality of Life Measurement. Soc. Sci. Med. 1995, 41, 1383–1394. [CrossRef]
- 19. Palermo, T.M.; Long, A.C.; Lewandowski, A.S.; Drotar, D.; Quittner, A.L.; Walker, L.S. Evidence-Based Assessment of Health-Related Quality of Life and Functional Impairment in Pediatric Psychology. J. Pediatr. Psychol. 2008, 33, 983–996. [CrossRef]
- Gomersall, T.; Spencer, S.; Basarir, H.; Tsuchiya, A.; Clegg, J.; Sutton, A.; Dickinson, K. Measuring Quality of Life in Children with Speech and Language Difficulties: A Systematic Review of Existing Approaches. *Int. J. Lang. Commun. Disord.* 2015, 50, 416–435. [CrossRef]
- Nicola, K.; Watter, P. The Comparison of Perceived Health-Related Quality of Life between Australian Children with Severe Specific Language Impairment to Age and Gender-Matched Peers. BMC Pediatr. 2018, 18, 62. [CrossRef] [PubMed]
- Arkkila, E.; Räsänen, P.; Roine, R.P.; Sintonen, H.; Saar, V.; Vilkman, E. Health-Related Quality of Life of Children with Specific Language Impairment Aged 8–11. *Folia Phoniatr. Logop.* 2011, 63, 27–35. [CrossRef] [PubMed]
- 23. Nicola, K.; Watter, P. Health-Related Quality of Life from the Perspective of Children with Severe Specific Language Impairment. *Health Qual. Life Outcomes* **2015**, *13*, 127. [CrossRef] [PubMed]
- Hubert-Dibon, G.; Bru, M.; Gras Le Guen, C.; Launay, E.; Roy, A. Health-Related Quality of Life for Children and Adolescents with Specific Language Impairment: A Cohort Study by a Learning Disabilities Reference Center. *PLoS ONE* 2016, 11, e0166541. [CrossRef] [PubMed]
- Davis, E.; Nicolas, C.; Waters, E.; Cook, K.; Gibbs, L.; Gosch, A.; Ravens-Sieberer, U. Parent-Proxy and Child Self-Reported Health-Related Quality of Life: Using Qualitative Methods to Explain the Discordance. *Qual. Life Res.* 2007, *16*, 863–871. [CrossRef] [PubMed]
- Eiser, C.; Morse, R. Can Parents Rate Their Child's Health-Related Quality of Life? Results of a Systematic Review. *Qual. Life Res.* 2001, 10, 347–357. [CrossRef]

- Wallander, J.L.; Koot, H.M. Quality of Life in Children: A Critical Examination of Concepts, Approaches, Issues, and Future Directions. *Clin. Psychol. Rev.* 2016, 45, 131–143. [CrossRef]
- Sneeuw, K.C.A.; Sprangers, M.A.G.; Aaronson, N.K. The Role of Health Care Providers and Significant Others in Evaluating the Quality of Life of Patients with Chronic Disease. J. Clin. Epidemiol. 2002, 55, 1130–1143. [CrossRef]
- Varni, J.W.; Limbers, C.A.; Burwinkle, T.M. How Young Can Children Reliably and Validly Self-Report Their Health-Related Quality of Life? An Analysis of 8591 Children across Age Subgroups with the PedsQLTM 4.0 Generic Core Scales. *Health Qual. Life Outcomes* 2007, 5, 1. [CrossRef]
- 30. Vieira, M.E.B.; Formiga, C.K.M.R.; Linhares, M.B.M. Quality of Life Reported by Pre-School Children and Their Primary Caregivers. *Child Indic. Res.* 2018, *11*, 1967–1982. [CrossRef]
- 31. Cremeens, J.; Eiser, C.; Blades, M. Characteristics of Health-Related Self-Report Measures for Children Aged Three to Eight Years: A Review of the Literature. *Qual. Life Res.* **2006**, *15*, 739–754. [CrossRef] [PubMed]
- Matza, L.S.; Swensen, A.R.; Flood, E.M.; Secnik, K.; Leidy, N.K. Assessment of Health-Related Quality of Life in Children: A Review of Conceptual, Methodological, and Regulatory Issues. *Value Health* 2004, 7, 79–92. [CrossRef] [PubMed]
- Theunissen, N.C.M.; Vogels, T.G.C.; Koopman, H.M.; Verrips, G.H.W.; Zwinderman, K.A.H.; Verloove-Vanhorick, S.P.; Wit, J.M. The Proxy Problem: Child Report versus Parent Report in Health-Related Quality of Life Research. *Qual. Life Res.* 1998, 7, 387–397. [CrossRef] [PubMed]
- Ottosson, S.; Schachinger Lorentzon, U.; Kadesjö, B.; Gillberg, C.; Miniscalco, C. Neurodevelopmental Problems and Quality of Life in 6-Year-Olds with a History of Developmental Language Disorder. *Acta Paediatr.* 2022, 111, 115–122. [CrossRef] [PubMed]
- Redondo-Tébar, A.; Ruiz-Hermosa, A.; Martínez-Vizcaíno, V.; Martín-Espinosa, N.M.; Notario-Pacheco, B.; Sánchez-López, M. Health-Related Quality of Life in Developmental Coordination Disorder and Typical Developing Children. *Res. Dev. Disabil.* 2021, 119, 104087. [CrossRef]
- 36. Gutierrez-Colina, A.M.; Eaton, C.K.; Lee, J.L.; LaMotte, J.; Blount, R.L. Health-Related Quality of Life and Psychosocial Functioning in Children With Tourette Syndrome. J. Child Neurol. 2015, 30, 326–332. [CrossRef]
- 37. Brewster, A.B. Chronically Ill Hospitalized Children's Concepts of Their Illness. Pediatrics 1982, 69, 355–362. [CrossRef]
- 38. Pantell, R.H.; Lewis, C.C. Measuring the Impact of Medical Care on Children. J. Chronic Dis. 1987, 40, 99S–108S. [CrossRef]
- 39. Owen, R.; Hayett, L.; Roulstone, S. Children's Views of Speech and Language Therapy in School: Consulting Children with Communication Difficulties. *Child Lang. Teach. Ther.* **2004**, *20*, 55–73. [CrossRef]
- 40. The Convention on the Rights of the Child; U.N. General Assembly: New York, NY, USA, 2019; ISBN 9789210045131.
- Gough Kenyon, S.M.; Palikara, O.; Lucas, R.M. Consistency of Parental and Self-Reported Adolescent Wellbeing: Evidence From Developmental Language Disorder. *Front. Psychol.* 2021, 12, 629577. [CrossRef]
- 42. Palikara, O.; Lindsay, G.; Dockrell, J.E. Voices of Young People with a History of Specific Language Impairment (SLI) in the First Year of Post-16 Education. *Int. J. Lang. Commun. Disord.* **2009**, *44*, 56–78. [CrossRef] [PubMed]
- 43. Koot, H.M. Quality of Life in Children: The Use of Parent Reports. Dev. Med. Child Neurol. 2020, 62, 545–546. [CrossRef] [PubMed]
- Rensen, N.; Steur, L.M.H.; Schepers, S.A.; Merks, J.H.M.; Moll, A.C.; Kaspers, G.J.L.; Van Litsenburg, R.R.L.; Grootenhuis, M.A. Determinants of Health-Related Quality of Life Proxy Rating Disagreement between Caregivers of Children with Cancer. *Qual. Life Res.* 2020, 29, 901–912. [CrossRef] [PubMed]
- 45. Varni, J.W.; Seid, M.; Kurtin, P.S. PedsQL*TM* 4.0: Reliability and Validity of the Pediatric Quality of Life Inventory*TM* Version 4.0 Generic Core Scales in Healthy and Patient Populations. *Med. Care* 2001, *39*, 800–812. [CrossRef] [PubMed]
- Varni, J.W.; Burwinkle, T.M.; Seid, M.; Skarr, D. The PedsQLTM* 4.0 as a Pediatric Population Health Measure: Feasibility, Reliability, and Validity. *Ambul. Pediatr.* 2003, 3, 329–341. [CrossRef] [PubMed]
- Varni, J.W.; Limbers, C.A.; Burwinkle, T.M. Parent Proxy-Report of Their Children's Health-Related Quality of Life: An Analysis of 13,878 Parents' Reliability and Validity across Age Subgroups Using the PedsQLTM 4.0 Generic Core Scales. *Health Qual. Life Outcomes* 2007, 5, 2. [CrossRef]
- 48. IBM Corp. IBM SPSS Statistics for Mac, Version 28.0. Released 2021. IBM Corp: Armonk, NY, USA.
- The Jamovi Project. Jamovi (Version 2.3) [Computer Software]. 2022. Available online: https://www.jamovi.org (accessed on 7 February 2022).
- Koo, T.K.; Li, M.Y. A Guideline of Selecting and Reporting Intraclass Correlation Coefficients for Reliability Research. J. Chiropr. Med. 2016, 15, 155–163. [CrossRef]
- 51. De Wet, H.C.; Terwee, C.B.; Mokkink, L.B.; Knol, D.L. *Measurement in Medicine: A Practical Guide*, 1st ed.; Cambridge University Press: Cambridge, UK, 2011.
- Lee, Y.; Yang, H.-J.; Chen, V.C.; Lee, W.-T.; Teng, M.-J.; Lin, C.-H.; Gossop, M. Meta-Analysis of Quality of Life in Children and Adolescents with ADHD: By Both Parent Proxy-Report and Child Self-Report Using PedsQLTM. Res. Dev. Disabil. 2016, 51–52, 160–172. [CrossRef]
- Galloway, H.; Newman, E. Is There a Difference between Child Self-Ratings and Parent Proxy-Ratings of the Quality of Life of Children with a Diagnosis of Attention-Deficit Hyperactivity Disorder (ADHD)? A Systematic Review of the Literature. ADHD Atten. Deficit Hyperact. Disord. 2017, 9, 11–29. [CrossRef]
- 54. Potvin, M.-C.; Snider, L.; Prelock, P.A.; Wood-Dauphinee, S.; Kehayia, E. Health-Related Quality of Life in Children with High-Functioning Autism. *Autism* 2015, 19, 14–19. [CrossRef]

- 55. Clark, B.G.; Magill-Evans, J.E.; Koning, C.J. Youth with Autism Spectrum Disorders. *Focus Autism Other Dev. Disabil.* **2015**, 30, 57–64. [CrossRef]
- Rotsika, V.; Coccossis, M.; Vlassopoulos, M.; Papaeleftheriou, E.; Sakellariou, K.; Anagnostopoulos, D.C.; Kokkevi, A.; Skevington, S. Does the Subjective Quality of Life of Children with Specific Learning Disabilities (SpLD) Agree with Their Parents' Proxy Reports? *Qual. Life Res.* 2011, 20, 1271–1278. [CrossRef] [PubMed]
- Golubović, Š.; Škrbić, R. Agreement in Quality of Life Assessment between Adolescents with Intellectual Disability and Their Parents. *Res. Dev. Disabil.* 2013, 34, 1863–1869. [CrossRef] [PubMed]
- 58. Canavera, K.E.; Wilkins, K.C.; Pincus, D.B.; Ehrenreich-May, J.T. Parent–Child Agreement in the Assessment of Obsessive-Compulsive Disorder. J. Clin. Child Adolesc. Psychol. 2009, 38, 909–915. [CrossRef] [PubMed]
- Chang, P.-C.; Yeh, C.-H. Agreement between Child Self-Report and Parent Proxy-Report to Evaluate Quality of Life in Children with Cancer. *Psychooncology* 2005, 14, 125–134. [CrossRef] [PubMed]
- 60. Kulkarni, A.V.; Cochrane, D.D.; McNeely, P.D.; Shams, I. Comparing Children's and Parents' Perspectives of Health Outcome in Paediatric Hydrocephalus. *Dev. Med. Child Neurol.* **2008**, *50*, 587–592. [CrossRef] [PubMed]
- Gkoltsiou, K.; Dimitrakaki, C.; Tzavara, C.; Papaevangelou, V.; Varni, J.W.; Tountas, Y. Measuring Health-Related Quality of Life in Greek Children: Psychometric Properties of the Greek Version of the Pediatric Quality of Life InventoryTM 4.0 Generic Core Scales. *Qual. Life Res.* 2008, 17, 299–305. [CrossRef]
- 62. Aldayel, A.S.; Aldayel, A.A.; Almutairi, A.M.; Alhussain, H.A.; Alwehaibi, S.A.; Almutairi, T.A. Parental Knowledge of Children's Developmental Milestones in Riyadh, Saudi Arabia. *Int. J. Pediatr.* **2020**, 2020, 8889912. [CrossRef]
- 63. Aguilera, M.; Ahufinger, N.; Esteve-Gibert, N.; Ferinu, L.; Andreu, L.; Sanz-Torrent, M. Vocabulary Abilities and Parents' Emotional Regulation Predict Emotional Regulation in School-Age Children but Not Adolescents with and without Developmental Language Disorder. *Front. Psychol.* **2021**, *12*, 748283. [CrossRef]
- 64. Ahufinger, N.; Guerra, E.; Ferinu, L.; Andreu, L.; Sanz-Torrent, M. Cross-Situational Statistical Learning in Children with Developmental Language Disorder. *Lang. Cogn. Neurosci.* **2021**, *36*, 1180–1200. [CrossRef]
- Rice, M.L.; Buhr, J.C.; Nemeth, M. Fast Mapping Word-Learning Abilities of Language-Delayed Preschoolers. J. Speech Hear. Disord. 1990, 55, 33–42. [CrossRef] [PubMed]
- Bussières, E.-L.; Malboeuf-Hurtubise, C.; Meilleur, A.; Mastine, T.; Hérault, E.; Chadi, N.; Montreuil, M.; Généreux, M.; Camden, C. Consequences of the COVID-19 Pandemic on Children's Mental Health: A Meta-Analysis. *Front. Psychiatry* 2021, 12, 691659. [CrossRef] [PubMed]
- Ding, X.; Liu, H.; Wang, H.; Song, Q.; Su, W.; Li, N.; Liang, M.; Guo, X.; Qu, G.; Ma, S.; et al. COVID-19 Pandemic Impact on Family Life and Exacerbated Emotional and Behavioral Health among Preschool Children: A Longitudinal Study. *Int. J. Clin. Health Psychol.* 2022, 22, 100327. [CrossRef] [PubMed]

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