






Systematic Review

# Theater-Based Interventions in Social Skills in Mental Health Care and Treatment for People with Autism Spectrum Disorder: A Systematic Review

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**Abstract:** This study is intended to determine, from a systematic review, the importance and effectiveness of different interventions aimed at improving social skills in people with autism spectrum disorder (ASD) through theatrical techniques. For this purpose, a systematic review of the literature published from 2011 to 2021 in the ERIC, Web of Science, EuropePMC, PubPsych, Índices-Csic, Redalyc, Roderic, Scopus, PubMed, Scielo, and Dialnet databases was carried out, and a total of 29 articles were reviewed. The results indicate an improvement in socioemotional functioning, self-esteem, emotion management, empathy and listening, communication and social interaction, adaptive skills, as well as an increase in body awareness in people with ASD. It can be concluded that theater creates a safe environment in which people with ASD can engage with their own emotions and those of others, thereby offering a therapeutic setting in which to promote mental health in different aspects of both prevention and treatment.

**Keywords:** neurodevelopmental disabilities; intervention; autism; theater; benefits; social skills; mental health; ASD; emotional control

## 1. Introduction

Based on the Diagnostic and Statistical Manual of Mental Disorders (DSM-5) [1], autism spectrum disorder (ASD) is a neurodevelopmental disorder whose most characteristic features are persistent deficits in communication and social interaction across multiple contexts and a repertoire of restricted and stereotyped behaviors, activities, or interests.

According to the eleventh edition of the World Health Organization's International Statistical Classification of Diseases and Related Health Problems (ICD-11) [2], the essential features of autism in the domain of social communication and reciprocal social interaction are limitations in the following areas: understanding, being interested in or responding to the verbal and nonverbal social communications of others; understanding the integration of verbal and nonverbal components such as eye contact, gestures, facial expressions, and

body language; understanding the use of language in the appropriate social context and having the ability to sustain reciprocal conversations; recognizing social cues; being able to imagine and respond to the feelings, emotional states, and attitudes of others; sharing interests; and establishing and maintaining relationships with peers.

Social skills play a fundamental role in the development of children's ability to communicate with other people and involve knowing how to act in a given social situation to improve and maintain meaningful social and emotional relationships throughout life [3]. However, the lack of social skills is one of the difficulties that people with ASD encounter, which is why training in such skills can be considered a necessity [4]. Moreover, enhancing the social skills of individuals with ASD may impact their mental health by boosting their sense of self-efficacy. Several studies have indicated that social skills training for individuals with ASD has a positive influence on their self-efficacy [5,6]. This is noteworthy because individuals with ASD often exhibit significantly lower levels of self-efficacy compared to normotypical individuals [7]. Similarly, improving social skills and self-efficacy could also help alleviate the adverse effects associated with ostracism or social exclusion experienced by individuals with ASD [8–10], including those stemming from their own family members [11].

Among the different intervention techniques, in recent years, theater has increasingly been used. López-Vázquez [12] considers theater to be a playful activity that seeks to develop the social skills and competencies of participants by means of dramatic play through interactive situations in which they adopt different roles, alternately placing themselves in various points of view to represent actions, people, or objects. In this way, theater enhances social role-playing, creativity, spontaneity, and a whole series of communicative, expressive, and artistic aspects that are natural to human beings.

The nature of theater is that it engages participants through surprise and novelty. As such, it can be a flexible form of pedagogy that is highly responsive to the environment and context. It can lead to the creation of a teaching situation with little room for failure, as value is placed on the intervention itself, emphasizing the importance of engaging in dramatic play regardless of the outcome; therefore, theater represents a safe environment in which to practice important social skills [13].

Drama therapy is appropriate for people with ASD because it encourages the expression of feelings through structured work that reduces anxiety and develops social skills. A drama therapist can model quality communication and facilitate the development of interpersonal relationships, providing participants with many opportunities to rehearse and replicate social skills until they integrate them into their behavior. Dramatherapy sessions offer defined boundaries and structures that help generate synergies. In this therapeutic environment, people with ASD explore ways to communicate their interests, feelings, and needs; pay attention to the latter; and work on them creatively [14].

O'Sullivan [15] states that theatrical interventions attempt to provide engaging, fun, and challenging opportunities for individuals with ASD to practice many social skills in safety in a workshop setting. Drama interventions create a fictional context that playfully engages participants' attention and encourages interaction and communication with others.

There are different approaches, as an intervention for people with ASD, to using drama, ranging from improvisation, role-playing, simulation, and script editing. There is always an underlying intention to proactively engage participants in exploring and understanding their worldview and to work creatively with them to understand their position and their relationship to others in that environment. Theatrical interventions are structured, arts-based, educational actions involving an expert who relies on a variety of creative and fun learning and teaching strategies to actively engage participants in learning with the goal of developing greater social awareness, communication skills, and understanding [15].

According to Conn [16], dramatic play is an educational technique for the development of social skills of children with ASD because it offers different forms of communication useful for social life. For children with ASD, theatrical activities provide the opportunity

to experience positive social interactions. Interpretation teaches expression, social awareness, perception, communication, and cognition, so activation can be a valuable tool for strengthening social–emotional functioning in individuals with ASD.

De Oliveira and De Oliveira [17] note that art is a means to balance human beings in the most critical moments of their lives, restoring their self-esteem; helping them develop in body, mind, and spirit; and strengthening their interaction with others. It is believed that theater allows individuals to identify as human in both a broad and a detailed way as well as to search for new lives and new characters. Theater provides opportunities to activate the imagination, display creativity, and experience an essence that is built throughout life, reflecting the social environment in which individuals live.

Villanueva-Bonilla et al. [18] reported positive results of group intervention programs that are based on play activities; that are flexible and adapted to the characteristics of each person; and that are focused on social, emotional, and cognitive areas, including family members and other people from the children's social environment participating in intervention activities.

Goldstein et al. [19] show that artistic programs are credited with helping minors with ASD acquire cognitive and social skills by providing little or no description of classroom experiences, thus creating a naturalistic and accessible context. It is valuable for researchers to move away from theorized processes derived from laboratory findings, as the interests of researchers and the work of experts are often parallel.

Mpella et al. [20] state that social skills training combined with a creative program such as one involving play is especially effective in improving the development, duration, and frequency of peer social interactions and thus the social skills of children with ASD.

Bermúdez et al. [21] conclude that theater should be used as an end in itself and not only as a means for the development of social skills. In addition to serving as a technique for young people to learn to communicate better, theater becomes an option for a vocation and opportunities both for work and for leisure and personal growth.

Emerging evidence suggests that theater creates a safe environment in which youth with ASD can engage with their own and others' emotions and perspectives, allowing them to develop a deeper understanding of the self and others [22].

Although the benefits shown by previous studies are significant, previous research addressing the relationship between ASD and theater is not sufficient; hence, the present research makes a valuable contribution to the literature. In addition, it is difficult to generalize the results reported in the analyzed studies because of methodological differences in the age of participants and the number of intervention sessions.

Bellavista-Rof and Mora-Giral [23] conduct a systematic review of theater as a tool for the prevention and treatment of various mental disorders and health promotion. They remark that while there are disease prevention and mental health promotion programs based on health education, there has been little research on the effectiveness of theater or dramatic art as a prevention or treatment tool for mental disorders since it is an innovative technique in this field. Regarding the treatment of ASD, the authors show the potential of using a theatrical approach to facilitate the development of core areas where young people with autism have deficits.

Maas [24] conducts a review of the literature showing how theatrical arts, specifically improvisational theater, improve social perception and attention, emotion management, self-esteem, cognitive flexibility, theory of mind, and social interaction skills in youths with ASD. The review examines the literature related to the use of improvisational theater for children with autism and how improvisational techniques or games can be worked into occupational therapy practice. Although the literature is limited, the review notes that these studies are promising because of the results regarding the social participation of the subjects involved in the programs.

Therefore, the main objective of this work is to systematically review the scientific literature to determine the effectiveness of interventions aimed at improving social skills in people with ASD through different theatrical techniques. The review is carried out without

a focus on a specific type, technique, or theatrical genre, which is also a limitation of the reviews mentioned above.

The following specific objectives are defined to address the main objective:

- To define the features of ASD.
- To review and compare experiences in the use of drama in people diagnosed with ASD.
- To justify the proposal to apply all kinds of theatrical techniques to people with ASD based on scientific evidence.

Finally, this study is designed to evaluate the following hypothesis: people diagnosed with ASD will notably improve the development of social skills after participating in theatrical techniques, both through the inclusion of these techniques in the official school curriculum and through the use of workshops and extracurricular programs.

According to Goldstein [25], the use of drama and acting techniques is a novel approach to improving social competence. Acting teaches social awareness, cognition, communication, perception, and expression; therefore, drama can serve as a valuable tool to strengthen basic social–emotional functioning in people with ASD.

### *Problem Statement*

Due to the global concern for achieving sustainable development, in 2015, the United Nations General Assembly adopted the 2030 Agenda. This action plan outlines 17 Sustainable Development Goals (SDGs), which are further divided into 169 specific targets covering various areas. Health promotion, defined as the process of enabling individuals to gain greater control over and enhance their health, is the primary focus of SDG 3, which aims to ensure good health and well-being for all at every stage of life.

On the other hand, the concept of social sustainability aims to strengthen the cohesion and integration of specific social groups. These groups may present difficulties of adaptation and participation in social contexts, as would be the case of people with neurodevelopmental disorders in general, and more specifically with ASD. In this sense, any intervention that facilitates the integration and inclusion of these groups can be related to social sustainability. The aim of this study is to determine, based on a systematic review, the importance and effectiveness of different interventions aimed at improving social skills in people with autism spectrum disorder (ASD) through theatrical techniques. It aims to establish a direct relationship between the interventions and the benefits for socioemotional reciprocity; nonverbal communication behaviors used for social interactions; and the development, establishment, and understanding of interpersonal relationships.

The objective of this study is aligned with the global effort to enhance the quality of life and mental well-being of individuals, especially those affected by autism spectrum disorder. This is achieved by increasing their support and ensuring they have the opportunity to realize their full potential.

## **2. Methods**

This work includes a systematic review of the scientific literature related to theater-based social skills interventions aimed at people with ASD. The guidelines proposed in the PRISMA statement [26] were followed. The different phases of the review process are detailed below (see Figure 1 for the PRISMA flowchart).

Two searches were carried out: an initial search in July and September 2021 and a second search that ended on 20 February 2022. The databases used were ERIC, Web of Science, EuropePMC, PubPsych, Índices-Csic, Redalyc, Roderic, Scopus, PubMed, Scielo, and Dialnet. The combinations of terms used for ERIC, WOS, EuropePMC, PubPsych, and PubMed were as follows:

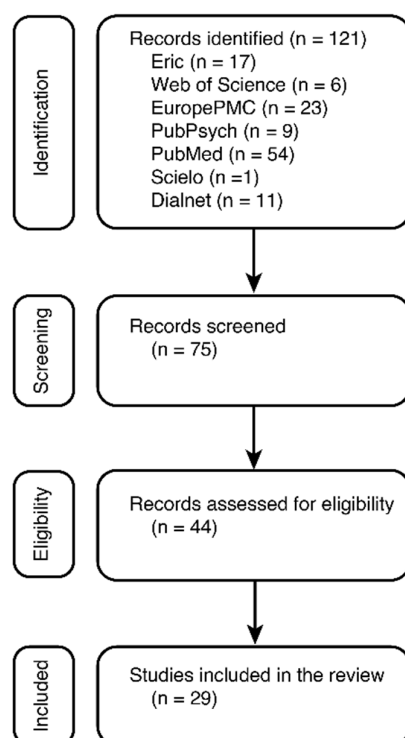
- Theater and intervention and autism;
- Dramatic art and autism;
- Theater and autism spectrum;
- Theater and asperger.

The combinations of terms used for Scielo, Índices-Csic, Roderic, Redalyc, and Dialnet were as follows:

- Teatro Y intervención Y autismo;
- Arte dramático Y autismo;
- Teatro Y espectro autista;
- Asperger Y teatro.

In addition, in the search engines that provided this option, we included the following:

- Without the words (training/assistant/public/teachers);
- Exact wording (autism spectrum).



**Figure 1.** PRISMA flow diagram.

Before starting to read the abstracts, we defined the inclusion and exclusion criteria during the search. The review included scientific articles that reported empirical research on social skills interventions aimed at people diagnosed with ASD; the articles could be from any country, institution, or author and published in any language between 2011 and 2021 to analyze the results of the last decade. In terms of the exclusion criteria, other publication types, such as theses, dissertations, conference proceedings, and books, were excluded. After eliminating duplicates, the title and abstract of 75 articles were read. Of these, 31 were excluded: articles that did not include empirical research on interventions, those that did not include people diagnosed with ASD in the sample, those that did not address the use of theatrical techniques. Of the 44 papers selected for full-text reading, 3 were eliminated because they could not access the text, while 12 were rejected because they could not access the text. Of them, were excluded because they did not match with the object of the present study. Finally, 29 articles were selected for the systematic review. On the other hand, the authors were contacted through ResearchGate and the corresponding author, but no response was obtained.

The data extraction sheet contained the following information: (1) authors and year of publication, (2) type of intervention, (3) sessions and duration, (4) sample, (5) results, and (6) effect size.

### 3. Results

The sample sizes in the reviewed studies varied, ranging from 1 person [27] to 77 persons [28]. All studies reported an improvement in social–emotional functioning, self-esteem, emotion management, empathy, and listening as well as a decrease in stress and anxiety and an increase in body awareness, communicative intention, adaptive skills, communication, and social interaction through different theatrical techniques.

In three of the articles reviewed, sociodramatic interventions aimed at improving the social skills of youths with ASD through drama were conducted during summer programs [29–31]. Error-free teaching was used, and an enriching and fun environment with clear social rules was developed; this environment reinforced positive behaviors and prioritized social engagement. The programs included peer theater games, imaginative activities, role-playing, scripted acting, improvisational theater, movement theater with music, and a final play. These games were effective in engaging youth on the autism spectrum, with their conditions being reinterpreted as a source of power and strength, motivating acceptance rather than exclusion and improving social relationships. The results were positive in all three studies, with participants showing reduced stress, improved social relationships, decreased social problems, increased active participation with peers, improved facial identification and memory, and improved social functioning.

In four of the articles reviewed, studies were conducted with ASD learners in regular primary and secondary school drama therapy groups [14,20,32,33]. The overall objectives were to help children with autism achieve their greatest potential, enhance their mental well-being, and take advantage of available social, cultural, and educational opportunities. Drama therapy was an optimal intervention that enhanced emotional development, independence, awareness, cooperation and peer relationships, sense of self-identity, and social skills in the participants. There was also an improvement in skills and the successful management of everyday situations such as conflict resolution, sharing, turn taking, identification and expression of emotions, cooperation, attention, obedience, and empathy; these improvements were accompanied by a reduction in anxiety and repetitiveness. In addition, teachers and therapists in these studies reflected on their experiences and those of others.

In four of the articles reviewed, the authors conducted drama-therapy-based research in special-education schools [13,19,34,35]. They used a variety of dramatic techniques, such as improvisation, storytelling, puppets and masks, and choral speech in visual, verbal, and kinesthetic learning to test how this practice could promote bodily cognition, focusing on physical interaction as the core of communication. These projects enabled students with ASD to increase their social skills, develop new creative abilities, and gain greater security, confidence, self-esteem, insight, and empathy.

Three of the articles analyzed focused on theatrical experiences in early care centers to test whether the consolidation of social skills in children with ASD was more effective through theatrical play than through traditional learning methods [27,36,37]. The three interventions in these studies involved working on social interaction, body perception, peer relationships, courtesy rules, understanding of instructions, rhythm and imitation, recognition of emotions, representation of emotions, and association of emotions with circumstances. These global interventions targeted children's cognitive, motor, language and communication, and socioemotional skills. They increased communicative interest and improved the identification, awareness, and representation of emotions and the ability to develop conversations, which improved social skills.

In thirteen of the analyzed articles, research was conducted in after-school dramatherapy workshops [15,18,21,28,38–46]. Theater games, role-playing activities, instruction in songs and choreography, and improvisation were used. In all of the studies, theater helped the participants develop social interaction, communication, simulation, and movement skills. The participants experienced improved social perception, facial memory, verbal cues, emotional expression, self-expression, assertive communication, adaptive skills, theory of mind, self-esteem, confidence, and social competence in natural settings. There was also a reduction in anxiety that correlated with increased engagement with peers. The results

showed that theater has a therapeutic capacity that enables people with ASD to develop personally and that theater activates social behavioral mechanisms for communication and interaction with the world.

The remaining two articles did not fall into any of the above categories. Mandelberg et al. [47] evaluate the long-term outcome of a family-assisted social skills intervention for children with ASD. The participants showed decreased conflict during play, improved social skills, and decreased loneliness after the intervention. Massa et al. [22] developed a theatrical intervention involving the final production of a play to provide members of a university community with high-quality contact with autistic individuals and an opportunity to learn their stories. This intervention was found to be effective in terms of emotional impact and increased empathy.

A summary of the results of the selected studies is shown in Table 1. Summary of the reviewed articles.

**Table 1.** Summary of the reviewed articles.

Authors and Year	Type of Intervention	Sessions/Duration	Sample	Results	Effect Size
Beadle-Brown et al. [32]	Multisensory capsule improvisation games	10/45 min sessions, 1 weekly/10 weeks	22 individuals with ASD (7–12 years old)	Development of social interaction, communication, and imagination.	0.8
Martínez et al. [38]	Weekend extracurricular theater workshop	6 of 1 h and 30 min 1 fortnightly/12 weeks	7 individuals with Asperger's (14–18 years old)	Increased social skills, sense of belonging to a group, improved self-esteem, empathy, and listening skills.	NR
Calafat-Selma et al. [39]	Extracurricular theater	27/50 min sessions, 2 weekly/16 weeks	2 individuals with ASD and 7 with intellectual disability	Improvements in speech, relationship, and play. Adaptation level without significant improvement.	NR
Corbett et al. [41]	Theatrical intervention program	38/2 h sessions, 4 weekly/12 weeks	8 individuals with ASD and 8 normotypical individuals (6–17 years old)	Improved social–emotional functioning.	NR
Corbett et al. [29]	Summer camp	10/4 h sessions, 5 weekly/2 weeks	11 individuals with ASD and Asperger's (8–17 years old)	Increased active participation with peers. Improved facial identification and memory.	NR
Corbett et al. [40]	Weekend theater workshop	10/4 h sessions, 1 weekly/10 weeks	30 individuals with ASD and 30 normotypical individuals (8–14 years old)	Decrease in stress and anxiety.	NR
Corbett et al. [28]	Weekend theater workshop for young people	10/4 h sessions, 1 weekly/10 weeks	77 individuals with ASD (8–16 years old)	Improvements in theory of mind, facial memory, and cooperative gameplay.	NR
Fein [30]	Theater workshop, at summer camp	NR	Individuals with ASD (11–18 years old)	Improved personal relationships.	NR
Fernández-Aguayo and Pino-Juste [36]	Theatrical exercises in an early care center	16/1 h and 10 min sessions, 1 weekly/16 weeks	9 ASD/social communication disorder/cognitive deficiency (3–4 years old)	Increased communication. Improved identification and representation of emotions. Ability to develop conversations.	NR

Table 1. Cont.

Authors and Year	Type of Intervention	Sessions/Duration	Sample	Results	Effect Size
Godfrey and Haythorne [14]	Dramatherapy program in various contexts	NR	42 family members, educators, and teachers of students with ASD	Increased confidence, self-esteem, social skills, communication skills, creativity, and imagination.	NR
Goldstein et al. [19]	Musical theater in a special-education center	40 sessions throughout the school year	36 individuals with ASD (3–12 years old)	Improved social relations and behavioral skills.	NR
Guli et al. [42]	Creative theater workshop	12/2 h session, 1 weekly/12 weeks 16/1.5 h sessions, 2 weekly/8 weeks	11 individuals with ASD, 2 with nonverbal learning disability and 5 with attention deficit hyperactivity disorder (8–14 years old)	Improved interpersonal relationships. Increased empathy and self-control.	NR
Kempe and Tissot [13]	Intervention program in a special-education center	13/1 h and 40 min sessions over 20 weeks	10 individuals with learning difficulties and 2 with ASD (18–19 years old)	Increase in social skills. Development of creative skills.	NR
Lerner et al. [31]	Sociodramatic intervention based on improvisation in a summer program	29/5 h sessions, 1 daily/6 weeks	17 individuals with Asperger's and high-functioning individuals with ASD (11–17 years old)	Improved social skills.	NR
Lewis and Banerjee [34]	Storytelling in drama therapy at a special education school	12/60 min sessions, 10 group and 2 individual sessions/12 weeks	3 individuals with ASD (12–14 years old)	Increased security, confidence, self-esteem, insight, and empathy.	NR
Bermúdezz et al. [21]	Theater workshop for young people	95/1.5 h sessions, 1 weekly/95 weeks	8 individuals with ASD (12–22 years old)	Increased emotional expression and assertive communication.	NR
Mandelberg et al. [47]	Social skills program	12/1 h sessions, 1 weekly/12 weeks	24 high-functioning individuals with ASD and normotypical peers (6–11 years old)	Reduction in conflicts in the game. Improved emotional management.	NR
Martínez [27]	Shadow theater in an early care center	30/50 min sessions, 3 weekly/10 weeks	1 individual with ASD (6 years old)	Improved communicative intent and emotional state. Increased body awareness.	NR
Massa et al. [22]	Theatrical production	2 months	2 individuals with ASD, 1 with anxiety disorder (18–29 years old)	Reduction in autism stigma.	NR
May [43]	Comedy and clown workshops	NR	5 individuals with ASD and 4 normotypical individuals (13–16 years old)	Myth of autistic humorlessness debunked.	NR
Mehling et al. [44]	Extracurricular theater workshop	10/1 h sessions, 1 weekly/10 weeks	14 individuals with ASD (10–13 years old)	Improved social interaction, pragmatic language, and facial emotional recognition.	NR
Mpella et al. [20]	Theater program as part of the school's physical education program	16/45 min sessions, 2 weekly/8 weeks	6 individuals with ASD and 132 normotypical peers in their respective classrooms (9–11 years old).	Improved cooperation, attention, and empathy. Reduction in anxiety and repetitiveness.	NR

Table 1. Cont.

Authors and Year	Type of Intervention	Sessions/Duration	Sample	Results	Effect Size
Dyer [33]	Dramatherapy in elementary school	8/45 min sessions, 1 weekly/8 weeks	3 individuals with ASD and 3–5 normotypical individuals (5–11 years old)	Increased confidence and self-esteem. Improved turn-taking and skills to work effectively alone and with others. High levels of activity and interest.	NR
O’Sullivan [15]	Weekend dramatherapy workshop	10/90 min sessions, 1 weekly/10 weeks	12 individuals with Asperger’s (9–11 years old)	Emotional and physical collapse of a participant. Correct display of emotions and affections. Greater expressiveness.	NR
Pimpas [37]	Social skills training program	1/45 min session, 1 weekly/1 year	1 individual with ASD (9 years old)	Improvements in the expression of emotions and teamwork.	NR
Poveda and Montoya [45]	Theater and digital fabrication workshop	16/1.5 h sessions, 1 weekly/16 weeks	10 individuals with ASD (12–20 years old)	Improved communication and socialization skills. New collaboration skills.	NR
Trowsdale and Hayhow [35]	Psychophysical theater during school hours in a special education center	1/1 h session, 1 weekly/5 years	Variety of students with learning difficulties, ASD, among others (3–11 years old)	Positive changes in identification, understanding, and emotional expression.	NR
Villanueva-Bonilla et al. [18]	Social role play	25/60 min sessions, 2 weekly/13 weeks	3 individuals with ASD (8–10 years old)	Increased confidence, self-esteem, social skills, emotional expression, and communication skills.	NR
Wilmer-Barbrook [46]	Dramatherapy	36/1.5 h sessions, 1 weekly/36 weeks	8 individuals with Asperger’s (16–24 years old)		NR

NR: Not reported.

#### 4. Discussion

The results show that in all the articles in which a program to improve social skills through theater was applied, once the specific intervention objectives were defined and carried out, improvements were produced. The programs offered a variety of stimuli to people with ASD that were important for their social lives. Therefore, the hypothesis stated at the beginning of this paper, i.e., that dramatic play interventions could help develop social competence in people with autism through the development of symbolism, imagination, fantasy, and role play, is supported. The results confirm that drama and play foster development in many of the areas in which people with ASD tend to be deficient.

The results were positive in all the studies; however, there were certain limitations, such as difficulty in comparing the effectiveness of the interventions due to methodological differences mainly derived from the number and characteristics, such as age, of subjects in the sample. The diversity in the number of intervention sessions carried out also made it difficult to generalize the results. Another limitation was the lack of specification of the degree of ASD of the participants; in some articles, the characteristics, limitations, and strengths of the participants were detailed, but the participants were described as people with ASD in general.

There are also notable differences with respect to the intensity of the treatment. Interventions with a duration of 6 to 20 weeks were applied, except in Bermúdezz et al. [21], who applied a long-term program with a duration of 96 weeks, and Trowsdale and Hayhow [35], whose study lasted 5 years. Regarding the characteristics of the subjects participating in the studies, in 23 studies, the sample consisted of people with ASD and other developmental disorders, and in 6 studies, the sample also included normotypical peers.

Regarding the number of participants, there were also large differences, as there were studies in which a single subject was taken as the referent, studies in which the sample ranged from 3 to 25 subjects, studies in which the sample ranged from 60 to 80 participants, and studies in which the sample exceeded 100 participants. The ages of the participants also differed from one study to another, with ages ranging from 3 to 29 years.

## 5. Limitations and Practical Implications

The limitations of this work should be mentioned since it is important to enlarge the number of complete, systematic studies with experimental designs in order to obtain more scientific knowledge and greater development of this underexplored field. Increased research in this area would also allow for the generalization of results in other contexts. In future research, this could be achieved by using a larger repertoire of keywords that would return a greater number of articles to be analyzed, thereby expanding the field of research and allowing the analysis of all types of interventions in which theater provides benefits rather than only those focused on improving social skills. It would also be beneficial to use more databases, including paid databases, and to be able to analyze the characteristics of each project and intervention in terms of the specific activities used, which would support more in-depth knowledge of the methodological strategies employed and provide help and guidance for future studies. Finally, future work should address, on the basis of a meta-analysis, the evaluation of the real impact of theater-based interventions through the analysis of effect sizes and sample sizes.

At a practical level, the results of the present study show how the schools should promote and encourage the development of creativity among students, both normotypical students and students with any disability or disorder, through theater to generate positive changes in their social skills and therefore in the different capacities that contribute to the establishment of an optimal social relationship. In the specific case of children with ASD, this type of intervention can help develop and enhance specific aspects associated with the difficulties they present, related to a greater extent to theory of mind (ToM) by attributing mental states to other people, and to the development of play and symbolic thinking, language, as well as enhancing imitation, all of which contribute to the child's adaptation to the developmental contexts. Interventions in which different play strategies are implemented in an inclusive environment and through a holistic and inclusive learning process should be implemented. It should be noted that in the early childhood education stage, there is greater creative development, so being able to enhance creativity at this stage would increase the degree of bodily expression and improve the expressivity level and the ability to solve problems. Finally, the joint participation of children with ASD and typically developing children in this type of activity can help the real inclusion of people with ASD [48], with benefits for typically developing children as well. To the extent that participants are part of a group, have the same objective, and share experiences and that all members of the group are important as part of a whole, it allows the development of a sense of belonging and identity, thus enabling the union and collaboration in other contexts outside the theatrical activities, and thus the real inclusion of people with neurodevelopmental disorders, among others. In this sense, this type of intervention can help to reduce social rejection and victimization, which, according to different studies [49,50], is more frequent in autistic children who present indicators of autism that are less visible to the rest of their peers.

## 6. Conclusions

The results demonstrate the role of the realization of artistic potential through theater in the development of social skills, motivation, self-confidence, self-awareness, and the generation of ideas that facilitate the resolution of conflicts, with an interest in education and in any area of life.

The results of the present review contribute to the evidence regarding how theater or drama can be used as a tool to promote mental health in different aspects of both prevention

and treatment. In this sense, the results of the studies analyzed can be linked to SDG 3, well-being and health, of the United Nations Agency 2030, if the positive effect of theater-based interventions on the mental health of children with autism is taken into account. In turn, most of these interventions are carried out in school contexts, which can be related to SDG 4 quality education, facilitating inclusive education, taking into account the specific needs of children with disabilities in general and with autism in particular, thus favoring social inclusion in the center itself and, indirectly, in learning. These interventions should be framed as a better and greater educational attention to people with greater needs.

The nature of drama is that it engages through surprise and novelty, becoming a flexible form of pedagogy that generates benefits in teaching situations with little room for failure and creating a safe environment in which to practice social skills without fear of error.

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