

Parenting Styles and Parents' Perspectives on How Their Own Emotions Affect the Functioning of Children with Autism Spectrum Disorders

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The grounded theory method was used to analyze the parenting styles used by caregivers to rear children with autism spectrum disorders (ASD) and to investigate parents' experiences regarding how to help their child overcome the symptoms. Thirty-two parents from 28 families of children with ASD in mainland China were interviewed. Analysis of interview transcripts revealed four patterns of parenting styles which varied in affiliation to the roles of caretaker and coach. Based on their experience, a sizable group of parents perceived that their own emotions influence the child's emotions and his/her symptoms. The results suggest the value of developing intervention programs on emotion regulation and positive parenting for the parents of children with ASD.

Keywords: Autism Spectrum Disorder; Parenting Style; Emotion Transmission; Emotion-Symptom Link

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Autism spectrum disorder (ASD) is a pervasive developmental disorder which is characterized by impaired social interaction and communication, restricted and repetitive behaviors (American Psychiatric Association, 2000). Because of its relatively high incidence, neurobiology, and heterogeneity of effects in attention and cognition, it has received much attention in recent years.

Raising a child with ASD is a great challenge for parents. A Case et al. (2012) argued, the diagnosis of ASD is a traumatic event for affected families. Such parents might suffer from post-traumatic stress and a parental lack of confidence for social difficulties such as hostility, self-consciousness, and depression. An embodiment of the hidden demonstration has been parents face unique difficulties and expect great efforts and professional help than the parents of children with disabilities and home-based disabilities (Ingevoll & Hambrick, 2011; Rao & Beidel, 2009; Wei, 2002). Beliefs regarding parenting are also impacted by the diagnosis. Such parents are more likely to believe the self is not competent in handling taking care of the child with ASD (Hall, Roe, & McDonald, 2005; Kahn & Carter, 2006; Meitner, Roe, & Watten, 2010).

Children's physical/developmental disabilities and parental mental health and parenting process are interrelated in a bidirectional manner. There has been some evidence that parental stress and parenting self-efficacy influence the functional improvement of

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child en. F e ample, B ink , Seif , and Sam off (1994) fo nd ha p en al t e can p edic he de elopmen al le el of child en i h in ellec al di abili ie . In ano h d ing a ample ha incl ded child en i h ph ical di abili ie , in ellec al di abili ie , and ASD, a t ong t ela ion hip be een mo h t ep ed t e and child en' p og e in le n- ing a t ep ed (Robbin , D nlap, & Plien , 1991). In li a t e pecificall abo child en i h ASD, i ha been fo nd ha p en al t e impac he effec i ene of e l in en- ion (O b ne, McH gh, Sa nd , & Reed, 2008a). Lo elf-efficac among p en i al o a ocia ed i h le engagemen in child en' t ea men (O b ne & Reed, 2010).

Al ho gh t e e ch ha e gi en m ch a en ion o p en al t e and elf-efficac hen p en ing a child i h ASD, p en ing p ac ice hem el e eem o ha e been le e pl ed. E i ing t e e ch gge ha p en of child en i h ASD make m e eff o im la e he de elopmen of he t pecial child en and e m e peciali ed p en ing beha i comp ed i h p en of o h child en (Lamb ech , Van Lee en, Boonen, Mae , & Noen , 2011). In line i h hi , T ai, T ai, and Lo Sh (2008) fo nd ha ch p en in eg a e he t ole of coach i h he t ole a c e ak . The p en of en ac like coache o help he t child en on peech, mo , and ocial kill . S ch a d al t ole i con- id ed o be an imp an fea t e of p en ing in familie of child en i h ASD (Hoog een & Woodga e, 2012; T ai e al., 2008). Al ho gh he e die de ibed fea- t e of p en ing p ac ice in familie of child en i h ASD, he did no e pl e ho p en ing p ac ice infl ence he child.

To mm i e, al ho gh t e e ch o da e ha t e ealed ha ome p en al fac , ch a p en al t e and p en ing elf-efficac , migh be a ocia ed i h he f ncional imp omen of child en i h ASD, fe die ha e emicall de ibed app oache o p en ing and p en al p cep ion of ha in he t p en ing p ac ice help he t child en. To fill hi gap in he li a t e, hi d aimed o (1) ob ain an in-dep h nd - anding of p en ing app oache in familie i h child en i h ASD and (2) le n abo p en 'e p eience t eg ding ho o help he t child en o come he t mp om .

This d foc e p ac ic l l on familie of child en i h ASD in mainland China. Al ho gh i ha been m e han 20 e ince a i m a f diagno ed in China, h e i ill a lack of inf ma ion abo and a ene of hi di d in he ocie and among famil memb . Shock and conf ion a e common t eac ion o f t eei ing he diagno i (McCabe, 2008b). Beca e of he lack of f mali ed ca ion p og am and a comp ehen- i e t e f al em, p en ha e o look f e p e and elec in en ion p og am b hem el e (Cl k & Zho , 2005; McCabe, 2008a). F t h m e, a ed ca iona l ice t e o t e a e f f om fficien , man familie ho a e nable o ge acce o ch e- ice each he t child a home (H ang, Jia, & Wheel , 2012; S ne al., 2013). Beca e of hi i a ion, p en 'a i de , belief , and beha i o a d he t child i h ASD likel pla a deci i e t ole f he child' p ogno i . Unf na el , t e e ch on he p en ing p ac- ice of p en of child en i h ASD in China i c ce. To o t kno ledge, hi d i he f oin e i ga e p en ing le in familie of child en i h ASD in mainland China.

METHOD

Design

A g onded he app oach a elec ed f hi d . Thi me hod in ol e gen a - ing ne h po he e and concep abo a p ac ic l phenomenon ing an ind c i e and phenomenological t a eg (C bin & S t a , 2008). Beca e h e ha been limi ed heo- t e ical and emp ical t e e ch on p en ing child en i h ASD in mainland China, he g onded he me hod a con id ed o be he mo app op ia e me hodolog f hi d .

Participants

Participants were invited via an advertisement posted on the Ctrip blog, which mainly introduced the population science on child psychology. Inclusion criteria included: (1) the mother was the primary respondent for the care of children diagnosed with ASD by a child psychiatrist. Families were recruited in the domestic and international communities. (2) The mother included in the study was invited to participate in the online survey.

Ten Chinese families from four cities in mainland China participated in the online survey. In total, 32 mothers participated in 28 online surveys. Most of the participants were mothers (only one father was included in the survey), both mothers from four families participated, and one father (father of one child) also participated in the survey of the child with ASD.

The mean age of participants was 36.69 (*SD* = 4.54) years. They were categorized into: high school (4), college degree (16), master's degree (10), and doctoral degree (1). As listed in Table 1, the mean age of the children was 6.75 years (*SD* = 4.36). Ten percent of 28 children were boys and only one was a girl. Ten children were the only child in their families and five had siblings. Most children had received more than one type of intervention, with applied behavioral analysis and early intervention training being the most common used.

Data Collection

Eight groups of graduate students were asked to complete the "Family Therapy" questionnaire conducted in the survey. Each group was composed of two interviewers. For each interview, one interviewer was principally in charge of asking questions while the other took observational notes and a recorded additional questions to obtain details of the participant's point. For the eight local families in Beijing data were collected by face-to-face interview, and in the interview by telephone were used for the 20 families located in other cities. Each of the interviews lasted 1–2 hours. Participants were asked the following questions: (1) What is the child's initial impression and which family member noticed the problem? (2) When and how did the child receive the diagnosis and how do you feel about it? (3) In addition to all the interventions, what is the child's current status? (4) What do you think of the child? (5) According to the observation, how do you help the child's impression?

All the interviews were audio-recorded in the interview. For the face-to-face interview, the interviewer, participant, and the non-observational interviewer collected the audio and video recordings. For the interview by phone, one and the other quality of the voice were also noted.

Procedures

Before the interview, the consent form and questionnaire on demographic information and personal experience were sent to the mothers by e-mail. After the interview, participants were thanked and given 50RMB (about \$8). The basic information of the audio-recorded interview was a full comment from the Ctrip blog and the online survey. Participants were encouraged to check the basic information and contact the interviewer if they had any questions or misunderstandings. After the procedure of data analysis, a concise report of the results was also sent to the participants for feedback.

TABLE 1
Children's Demographic and Treatment Data

Case	Age (years/months)	Gender	Age at Diagnosis (years/months)	Birth Order (rank/total)	Intervention
1	17/10	Male	8/0	1/1	Sensory integration training
2	5/11	Male	3/0	1/1	Applied behavior analysis
3	7/7	Male	4/0	1/1	Applied behavior analysis Psychological counseling
4	6/2	Male	4/0	1/1	Applied behavior analysis Sensory integration training Alternative hearing
5	9/6	Male	2/1	1/1	Sensory integration training
6	4/8	Male	2/0	1/1	Alternative hearing Physical therapy
7	22/6	Male	6/0	1/1	Applied behavior analysis
8	9/6	Female	2/5	1/1	Applied behavior analysis Speech therapy
9	2/6	Male	1/8	1/1	Alternative hearing Physical therapy
10	7/1	Male	2/6	1/1	Applied behavior analysis Sensory integration training
11	4/11	Male	2/0	1/1	Applied behavior analysis Sensory integration training
12	8/0	Male	3/6	1/1	Sensory integration training
13	5/3	Male	4/0	1/1	Sensory integration training
14	5/8	Male	2/9	1/1	Sensory integration training Applied behavior analysis
15	5/1	Male	2/9	1/2	Applied behavior analysis
16	4/6	Male		1/1	Family therapy
17	3/11	Male	3/0	1/1	Applied behavior analysis
18	7/2	Male	3/0	2/2	Applied behavior analysis Alternative hearing
19	4/4	Male	2/4	1/1	Applied behavior analysis Speech therapy Special day-care program Alternative hearing
20	5/3	Male	2/11	1/1	Applied behavior analysis Speech therapy
21	2/0	Male	1/5	2/2	Sensory integration training
22	6/0	Male	2/0	4/4	Sensory integration training
23	2/6	Male	1/6	1/1	Applied behavior analysis
24	3/0	Male	2/7	2/2 (in)	Sensory integration training Speech therapy
25	7/7	Male	2/6	1/1	Applied behavior analysis Physical therapy
26	8/3	Male	3/0	1/1	Applied behavior analysis Speech therapy Sensory integration training
27	3/10	Male	2/2	1/1	Physical therapy Sensory integration training
28	8/5	Male	2/4	1/1	Sensory integration training Family therapy

Rights of Human Subjects

This data approved by the Institutional Review Board of the Psychology Department of Peking University. Before the interview, participants were informed of the

form which achieved the main goal and method of her study, her professional, and her high objectives from her study and time. All her participants agreed to participate and none refused during her study. For confidentiality, identification information was eliminated and an identifier assigned to each child before data analysis. Confidentiality was strictly kept throughout.

Data Analyses

Data were analyzed from her thematic analysis of open-ended interviews. Generally, she used analytic induction in data analysis, and a content comparison method in her coding process. Three types of coding were included: open coding, axial coding, and hierarchical coding. The initial code was generated from open coding in which units of meaning were identified from line-by-line analysis followed by integration and reduction in units (e.g., “a young child is a life-time problem is an initial code). When her formal code was developed, axial coding was performed to differentiate subcategories (e.g., “a young child is a life-time problem is a problem” and the code “effective adjustment”). Hierarchical coding was finally used to identify relationships among categories (e.g., connection was made between “effective adjustment” and “positive perception of the child”; Chaffin, 2006).

Three interviewees (Chen Yi, an experienced clinical psychologist and family therapist, Ting Zhou and Wenling Zhou, both graduate students) specifically interviewed her thematic analysis and did her coding. Data analysis was conducted in a linear fashion through her data collection. The codes for each did open coding of files in her individual and generated a comprehensive list of codes based on her data from her first 15 participants. Then merging and held out code classification and consolidation. After the classification, a codebook was developed to reflect the common themes of her participants’ data. The first 15 interviews were re-coded and remaining interviews were coded according to her codebook. Discussion was held when codes had different opinions. Memo was taken to record possible links among themes implied by participants’ descriptions. Hierarchical coding was conducted collaboratively by her interviewees, during which connections among themes were made.

The credibility of her data was enhanced by triangulation, her collection of different methods (interview and observation). Confirmation of meaning by her participants was done after her thematic analysis was developed and after her theoretical framework. A confirmability diary was conducted by going back to her original analysis and observation notes after her coding process was completed. Peer debriefing, in which impartial peers examined general methodology, a pilot study or impromptu field study (Lincoln & Guba, 1985).

RESULTS

Parenting Styles

Parenting style was categorized into four types: training priority, relationship preference, allowance, and leaving alone (Table 2).

Training priority

The training-priority parents’ perception of her level in which parents placed priority on kill training for her child. Parents who had a high priority on a long time training her child and had a specific adjustment for practice. The parents’ no effort to find

TABLE 2
Demographic Data of Parents Categorized in Four Parenting Styles

Parenting Style	Mean Age	Education Level				Occupation	Case Involved
		High School	Bachelor	Master	Doctor		
Training parent	38.89	1	4	3	1	Civil servant (3), Homemaker (2), Engineer (1), Office worker (1), Teacher (1), Companion (1)	#1, 3, 4, 8, 14, 19, 25, 28
Relationship preference	38.15	2	4	6	1	Office worker (3), Civil servant (2), Teacher (2), Engineer (2), Homemaker (2), Companion (1)	#1, 2, 3, 9, 10, 12, 14, 18, 19, 23, 27, 28
Altruistic	33.89	2	5	2	0	Homemaker (3), Office worker (2), Civil servant (1), Teacher (1), Researcher (1), Engineer (1)	#6, 11, 13, 15, 16, 17, 21, 22, 24
Leaving alone	41.00	0	2	1	0	Manager (1), Comedian (1), Office worker (1)	#5, 7, 26

fathermen, mother and fatherhood. During the training process, he felt all high demanding and strict. If the child did not concentrate and hold little improvement, he would punish the child: "If he performed a full, I would beat him (#3)¹; "Some time he made me open his eyes. (#4) This kind of punishment emphasized the coach role more than the care and role. One mother said, "I have to punish him strictly 24 hours a day and do more to train him. (#19)

The mother's alienation of her husband and her clear description of the relationship between her and her high demand in training. For example, one mother said, "I became an idiot and it is difficult to observe the diagnosis. I had to do something to make me feel better. (#19) In the training process, a kind of cognition of a social relationship and in the training. First, some mothers acknowledged that they were unable to completely accept the diagnosis, and they wanted to find evidence to confirm that their child was normal: "When he performed well, I thought the diagnosis was wrong. (#8) Second, although some mothers said they had accepted the diagnosis, they were eager to see the child's recovery quickly, and, for example, "We manage him to recover a little longer. Otherwise, he will ignore the problem. (#3) Because of the perception of getting rid of the ASD label as soon as possible,

¹Beating children is a common practice in traditional Chinese families. Although his behavior has been decreasing, it is still there. Because a formal legal proceeding has not been established, from a position it can only be a psychological education. We are all in the same boat from the collective punishment of each participating parent, which contained long appeal to not beat their child.

parents felt a sense of urgency and had high demand in training. In the training process, he seemed to have low tolerance for low progress and decrease in effectiveness. Being the child's father is a common reaction.

Relationship precedence

The relationship precedence pattern is defined as the pattern in which parents emphasized the importance of the parent-child relationship and played the role of caretaker or the role of coach. Typical statements included: "I think the relationship is the child's basis of everything, (#12) and "You have to establish a good relationship-

Letting Alone

The label was labeled "letting alone," denoting a child in which parents had little hope for the child's improvement and had little motivation or participation in an intervention. Three parents (#5, #7, and #26) in the interview reported high parental involvement. One parent said, "We have no good idea about how to help him, or we choose to let him be." (#7) Parents and hopelessness seemed to be reciprocal emotion. Negative perception of the child seemed common among high parents: one father said, "He has no special abilities. Mechanical memory is meaningless and dull." (#5) Overall, the parents gave a positive role of coach: a mother said, "I tried to teach him at home, but he frustrated me so much that I do not teach him anymore." (#26) However, the role of caretaker was also weakened. One father who has no previous caretaker experience disengaged himself from the child; he mentioned, "My husband did not like to talk to the child and avoided opportunities to take care of the child." (#26)

It is important to note that the role of parents in letting alone could change over time. The parental involvement all occurred in the early stage after diagnosis, when parents had little knowledge about ASD and unlimbited parental involvement experience. The parental involvement hip-occurrence pattern over time occurred after a period of intervention training when parents' ongoing support of the parent-child relationship (#1, #3, #14, #19, and #28). The letting alone pattern all no previous behavioral, following a transition to the child's problem.

Parents' Perceptions on How to Help the Child Overcome His or Her Symptoms

When asked about high factors, in their experience, helped the child overcome his or her symptoms, 23 participants presented their opinion while nine participants (mainly of the letting alone and the letting alone) could not think of an effective factor. To improve a factor is fundamentally based on the 23 responses obtained: (1) the child's self and emotion of the child and (2) the parent's emotion. In the interview, most parents felt that their emotion profoundly influenced their child's symptoms, and the role of emotion when asked about factors affecting their child's symptoms.

Thirteen parents from 12 families, however, mainly from the training-occurrence group and the child relationship hip-occurrence group (# 1, 2, 3, 4, 6, 8, 10, 12, 19, 25, 26, 28), mentioned that, according to their observation, the symptoms of the child decreased when the child was in a positive mood; a mother said, "He looks just like a normal kid when he is happy." (#1) She believed that the impact on the child's symptoms. One mother said, "He faced a lot of difficulties when finally entering kindergarten. And he learned, cried and exhibited emotional behavioral problems." (#12)

Parents also seemed to be a factor influencing the emotion of children with ASD. Eleven of 32 parents perceived emotional transition from themselves to their child (# 2, 3, 8, 9, 10, 12, 13, 18, 26, 27, 28), most from the child relationship hip-occurrence group. One parent said that "Parent's emotion has a determining influence on the emotion of the child." (#2) Based on the interview, both positive and negative emotion of parents seemed to have an impact on the child. For example, "If I am in a good mood, my son would be happy," (#3) and "Admission in the family is a good thing, and the child of an elderly." (#13) One parent mentioned a fight between her grandparent: "The fog and moon became near and intimate." (#9)

On the basis of their parental involvement experience, 13 parents from 11 families (# 6, 8, 13, 17, 18, 19, 20, 22, 23, 25, 26) perceived that there seemed to be a link between parental emotion and the symptoms of their child with ASD; these families cried in letting alone in the first from the child relationship hip-occurrence group, first from the letting alone group, from the training-occurrence group, and one from the letting alone group. Observation included the following: "The link between mood and his problem is obvious. When I

a in a lo mood hi mp om became e ée, hile hen I a †ela ed he pé fó med †ela i el ell (#19); ‘When ad l , e peciall he mo hé, looked an io , he child o ld be é an io and e hibi man beha íd al p †oblem . (#23) The pé cei ed infl -ence of pá en al emo ion on p †ogé in †aining a al o men ioned: ‘If I a in a good mood, he co ld fini h he ók. Ho e é, if I a an io , he co ld no fini h no ma é ho m ch ime he pen (#8); ‘M mind e had a g †ea infl ence on he child. If I did no adj m emo ion , he o ld no make an p †ogé in he †aining. (#18)

Perceived Feedback Loops between Parental Emotions and the Child’s Emotions and Symptoms

I eem ha he fo † pá é n of pá en ing é e †ela ed o diffé ence in he na †e of he emo ion– mp om link. On he ba i of pá icipan ’ de ó ip ion , a ício c cle eemed o emé ge in he †aining–p †í í pá é n: pá en ’ an ie , angé, and † †a ion made he child †e ed and hé efo é e hibi mó e mp om . In † n, he child’ p †oblem made pá en mó e an io : a one mo hé aid, ‘M emo ion en é in o a ício c cle: hi †e †ogé ing make me †e ed and m bad mood make him e en ó e. (#22) On he con † á , emo ion in he †ela ion hip–p †ecedence pá é n eemed o e hibi a í o c cle: ndé he infl ence of pá en al †ela a ion and po i i e pá en ing, he child a mó e †ela ed, ho ed fe é mp om , and made g †ea é p †ogé . Pá en é e enco † aged b he imp † o men of he child and became highl efficio and †ela ed. A one mo hé aid, ‘I fo nd m po i i i did ha e an infl ence on m child’ beha íd . Hi p †ogé made me feel hopef l and †eall †ela ed. (#10) Some pá en ho fi he al é na ing pá é n did no †epó an fac ó ha help o é come he child’ mp om , i h one mo hé a ing ha ‘hi p †oblem come o a †andom. (#13) Some of hem did men ion he emo ion– mp om link, b claim ch a ‘[I] can no con † ol m emo ion (#17) é e pical. One pá en ho fi he le ing alone pá é n ob é ed emo ion al † an mi ion be een pá en and child (#26), b he o hé o had no idea abo fac ó ha helped heí child é n (#5 and #7).

DISCUSSION

Taking cá e of a child i h ASD mean g †ea †e and diffic l fó he pá en . Con- i en i h p †e io †e eá ch on pá en al †e , pá en in hi d †epó ed in en e nega i e emo ion ch a an ie , hopele ne , angé, and po é le ne af é he diag- no i and in dail in é ac ion i h he child. The †e l †e ealed pá en al emo ion é e a ocia ed i h pá en ing cogni ion and beha íd . Fó e ample, he g †ea an ie of pá - en in he †aining–p †í í g †o p a all †ela ed i h fail †e o adj e pec a ion †egá ding p †ogno i , and i mo i a ed hem o p h heí child in o in en i e †aining. In con † a , pá en e hibi ing he †ela ion hip–p †ecedence le †elie ed ch an ie b adj ing heí e pec a ion , and he é e mó e olé an of he child’ p †oblem . F † hé - mó e, pá en pé cei ed ha heí o n emo ion eemed o infl ence he emo ion al †eac- ion of he child é n a ell a heí mp om . Thi ob é a ion i in line i h he †e l of †e eá ch in ample of child é n i ho di abili e and ho e i h ph ical di abili e (Ha ing , 2002; Ha ing & Beck, 2008). D e o he a ocia ion be een pá en al emo ion and pá en ing p †oce e a ell a i po ible infl ence on he child’ mp om , nega i e pá en al emo ion de é e a en ion.

Al ho gh p †e io †e eá ch ha fo nd ha child é n’ f nc ion al imp † o men †ed ce

self-diffidence in a way that would be able to adjust his or her psychological adjustment to the child's behavior (Nichols & Schaefer, 2004). If parents adjust his or her mind, he may have more positive perception of the child and more tolerance for his/her misbehavior. And if parents can maintain a positive attitude, then the child can experience his unconditional love, which might be helpful in relieving the impact of the autism on the child.

In line with his teaching, we believe that helping parents in his/her emotional regulation is a good initial intervention for the families of children with ASD. Dealing with it would be a central goal. It would be helpful to conduct an individualized cognitive modification for parents' adjustment, take a positive view of the child, and find meaning in his/her care-taking practice. Social support is also an important factor in relieving the stress (Ingersoll & Hambrook, 2011). For the parents in mainland China, because of social structure and communication support are still weak (Senechal, 2013), support from other parents of children with ASD is particularly important for the changing information, relief, and obtaining encouragement (McCabe, 2008a). Family support would also be helpful for the parents. Although family support all does not ease the misbehavior of the child directly, it helps parents in his/her day-to-day life and in dealing with his/her emotion (Solomon & Cheng, 2012).

Another main finding of this study revealed the importance of the balance between the role of careaker and coach. Too much reliance on the role of coach may make parents too strict and less warm, potentially damaging the parent-child relationship. Because the core problem of ASD is a deficit in social skills, a poor parent-child relationship may make the child feel even less motivated to initiate social interaction, which would contribute to a higher level of problem behavior. Moreover, over-reliance on the child and his/her mother's misbehavior and behavioral problem as a means of relieving anxiety. Thus, in terms of training and discipline, the role of coach may lead to a degree of improvement on the individual specific skills, but may do harm to the parent-child relationship and potentially harm the development of social interaction abilities.

Therefore, we believe that the role of careaker is more basic than that of the coach, and that a good parent-child relationship is a prerequisite for effective training. Therefore, we emphasize the importance of parents' adjustment and the quality of parent-child interaction practice. The social competence of children with ASD (Baker, Fenning, Cunniff, Baker, & Blacher, 2007; D'Chey, Smith, Kothari, Roper, & Mandelco, 2012; Mahone & Paley, 2003; Meek, Robinson, & Jahnke, 2012; Sillars & Sigman, 2002). In clinical practice, parents' adjustment practice focused on teaching positive parenting skills and enhancing the quality of the parent-child relationship has a more effective influence on leading to functional improvement in children. For example, The Stepping Stone Triple Practice, which teaches parents positive child-management skills as an alternative to coercive parenting practice (Sandberg, 1999), has a more effective influence on dealing with parents' stress (Whittingham, Sofronoff, Sheffield, & Sandberg, 2009b) and leading to functional improvement in the child (Macon, Mahan, & Macon, 2009; Whittingham, Sofronoff, Sheffield, & Sandberg, 2009a). Parent-Child Interaction Therapy, which focuses on enhancing the parent-child relationship and teaching appropriate responses for children, has been confirmed as effective in children with high-functioning ASD (Hamadeh, Potemad, & Hanabadi, 2010) as well as in children with mental retardation comorbid oppositional defiant disorder (Bagnell & Eberg, 2007).

The results of this study provide evidence for the role of intervention strategies for parents in the treatment of children with ASD, and also have implications for the content of training in the field of ASD intervention strategies for parents. Therefore, the most commonly used parenting program teaches parents a coach and each

hem ho o tain heif child en (Ma on & Smi h, 2008). De pi e ome e idence fo he effec i ene of ch pa en -taining p ogt am (Lafa aki & S tme , 2007; Sheinkopf & Siegel, 1998), mo indica t ho ed imp o omen on pecific beha id al kill ,lea ing ocial compe ence ne amined. We belie e ha pa en al in e en ion a he kill le eli no adeq a e. Pa en ho ld be a gh o be mo e a a e of heif emo ional e pe ience and o pa a en ion o he po ibili of emo ional tan mi ion f om hem el e o he child. Pa en al emo ion t eg la ion and balance be een he t ole of ca e ak e and coach ho ld al o t ecei e m ch mo e a en ion.

I i al o imp o an o ackno ledge he limi a ion of hi d . Ft , q ali a i e me hod canno p eci el di en angle ca al t ela ion hip . Al ho gh emo ional tan mi ion and an emo ion- mp om link e e t e p o ed in hi d , he e phenomena a e ba ed on he p ecep ion of pa en and lack objec i e mea t e conff m ing hem. Second, he p ogt e of child en a no objec i el mea t ed b a onl ba ed on he p ecep ion of pa en . The t e l of hi d ho ld be f t h e conff med and alida ed ing a diff e en me hodolog and a la g e ample. Thi d, pa icipan in hi d e t e la i el highl ed ca ed. Thi migh be t e la ed o he t e d i men me hod, hich t elied on acce ing a blog. The e pa en migh ha e mo e kno ledge abo a i m and g e a e opp o ni e o acce ed ca ional e ice han pa en i h a lo e ed ca ion le el. Hence, he t e l of hi d migh ha e limi ed gen e ali a ion o familie i h diff e en ocial backg o nd . Finall , i i ill nkno n ho he cha ac e i ic of pa en and child en a e t e la ed o he adop ion of diff e en pa en ing le , a q e ion hich de e f t h e in e iga ion in he f t e. Ne e hele , o t finding e pand he li e a t e on he pa en ing of child en i h ASD h o gh an in-dep h de t ip ion of pa en ing le and an e pl o a ion of he infl ence of pa en al emo ion on mp om in child en i h ASD. The t e l of hi d ma mo i a e heal h e ice p o id e o de elop in e en ion p ogt am fo he pa en of child en i h ASD.

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