The Effect of Childhood Maltreatment on the Parent-Child Relationship: Project Summary

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Overview and Purposes of Study

The purpose of this project was to examine the impact of a mother’s history of childhood abuse, and current trauma-related symptomatology, on her responsiveness to her own child’s developing emotions and on child emotional outcomes. A large body of research has documented the deleterious effects that childhood maltreatment and adult trauma can have on adult women (Neumann, Houskamp, Pollock, & Briere, 1996; Resnick, Kilpatrick, Dansky, Saunders, & Best, 1993). These effects include psychological symptoms such as posttraumatic stress disorder (PTSD), depression, and eating disorders, but also relationship dysfunction, health problems, and substance abuse. Given these serious outcomes, it is not surprising that researchers have begun to investigate the effects of trauma experiences and resulting sequelae on women’s various life roles, including parenting. Preliminary evidence suggests that mothers with a history of childhood abuse feel less competent as parents, find parenting more stressful, and have less effective parenting styles (DiLillo and Damashek, 2003; Douglas, 2000; Harmer, Sanderson, & Mertin, 1999; Ruscio, 2001). One of the few studies looking directly at the impact of trauma on parenting behaviours indicated that maternal history of physical abuse was associated with increased hostile-intrusive behavior toward their infants and increased infant negative affect, whereas a history of sexual abuse was associated with decreased involvement and restricted maternal affect (Lyons-Ruth & Block, 1996).

A few studies have further explored the mediating role of trauma symptoms in the link between maternal trauma and parenting behaviours. Banyard, Williams, and Siegel (2003) found that depression mediated that link between trauma and parenting satisfaction and Narang, and Contreras (2000) found that dissociation significantly mediated the link between physical abuse history and child abuse potential. Unfortunately, both of these studies relied on parental reports of parenting behaviours and experiences, rather than direct observation.

Though there are several pathways by which maltreatment and trauma can affect parenting, the purpose of this study was to investigate the effects of trauma and PTSD on mother’s emotion availability within the parenting context. We proposed that mothers with histories of maltreatment and trauma and who showed significant PTSD symptoms would be less attuned to the emotional nuances of their relationships with their children, and these deficits would affect their ability to foster emotional development and emotion regulation in their children. Numerous studies have identified that maltreated children have difficulties in many areas of emotional functioning. In fact, in the words of Pollack, Cicchetti, and Klorman (1998) “Emotion regulatory problems are among the best documented of the problems maltreated children display.” In adult samples, a history of childhood trauma has been linked with significant emotion regulatory difficulties during adulthood years, including heightened levels of fear and anger, avoidance responses to affect-evoking and abuse-related stimuli, and difficulties recognizing and responding to the affective states of self and others (Briere, 1992; Fonagy et al., 1996; Zanarini et al., 1997).

Looking to the attachment literature, theory and research adds credence to the suggestion that mothers who are classified as being unresolved with respect to loss or trauma may have difficulties responding to the emotional needs of their young children, particularly during times of stress. Main and Hesse (1990) suggested that mothers who are unresolved with respect to past trauma might behave during interactions in ways that are frightened or frightening to their infants. Lyons-Ruth, Bronfman, & Atwood (1999) further argued that the traumatic and unintegrated nature of the mother’s experiences diminishes her ability to monitor and respond appropriately to her young child’s distress, particularly when the expression of distress is unequivocal. These authors suggest that many traumatized mothers have an aura of helpless passivity in the face of their child’s attachment-related emotions such as fear, experienced by the child as profound unresponsiveness (Lyons-Ruth et al., 1999). Such mothers must have a pervasive inability to respond in times of fear and stress in the helpful, soothing manner necessary to serve the age-appropriate co-regulatory function for her infant, representing a disruption in the basic caregiving system (George & Solomon, 1999).

For this study, therefore, we proposed that trauma and PTSD symptoms would affect mothers’ abilities to foster emotional development and emotion regulation in their children (ages 4 to 6) through three mechanisms: (a) reduced sensitivity to child emotional states, (b) reduced integration of emotional words and concepts into parent-child interactions, and (c) reduced emotional availability and increased negative affect in
parent-child interactions. We also hypothesized that the children of mothers with histories of childhood trauma and PTSD would have poorer understanding of emotions and will show greater difficulty regulating affect. We were also interested in delineating the differential impact of types and complexity of trauma in predicting emotional availability and child emotional outcomes.

We focussed on mothers with children ages 4 to 6 for two reasons. In the preschool years, the mother-child relationship is key to children’s development of emotion representations and emotion regulatory strategies (Lewis & Michalson, 1983). Second, prior to this age, the assessment of children’s cognitive understanding of emotions is less reliable.

**Experimental Plan and Design**

**Participants:**

Ninety-three English-speaking mothers with children ages 4 to 6 were recruited who had at least one parenting risk factor (adolescent at time of child’s birth, single parenthood, low income). This sampling procedure was used to reduce the probability that relationships among trauma, PTSD, parenting, and child outcomes would be confounded by a third variable, SES. Participants were recruited to assure broad representation of parenting styles. Five levels of recruitment were used: (a) advertisements in the community through newsletters, mail-outs, and newspaper ads, (b) recruitment through agencies designed to serve high-risk mothers (e.g. parenting groups and day care settings for families at risk for social, parenting, or child behaviour difficulties), (c) recruitment through clinical agencies servicing children or adults with mental health treatment needs, (d) recruitment through an ongoing study of parenting at the University of Western Ontario, and (e) recruitment through word of mouth from other research participants.

The mothers ranged in age from 19 to 46 years at the time of the data collection ($M = 30.62$, $SD = 6.41$). Twenty-eight percent of the mothers were under 19 years of age when their child was born and 74% were single mothers. Fifty-seven percent of the mothers reported household incomes less than $20,000 CDN/year and 87% reported household incomes less than $30,000 CDN/year. Children ranged in age from...
emotional availability was coded from the Parent-Child Interaction Task. Maternal and child affective language were coded from the Picture Book Task and child emotional understanding was coded from the Affect Task. At the conclusion of this second session mothers also completed the Modified Stroop Procedure with one of the examiners.

**Tasks and Measures:**

**Maternal Trauma Measures:**
- **Childhood Trauma Questionnaire (CTQ; Bernstein & Fink, 1998).** The CTQ has 28 items relevant to emotional, physical, and sexual abuse, and emotional and physical neglect, and includes a validity scale to detect trauma minimization. Adequate convergent and discriminant validity and test-retest reliability has been reported (Bernstein & Fink, 1988; Fink, Bernstein, Handelsman, Foote, & Lovejoy, 1995).
- **History of Trauma and Maltreatment Interview (HTMI; Wolfe, 2001)** The purpose of this interview was to assess severity and course of maltreatment (sexual, physical, emotional abuse), neglect (physical and emotional neglect and lack of supervision), exposure to family violence, other childhood traumas, and adult traumas and stressors. This relatively new assessment of trauma was included in the present study as an adjunctive assessment to the CTQ.
- **Modified Stroop Procedure (MSP)** Some individuals who experienced significant trauma may deny their experiences and trauma symptoms due to conscious or unconscious defenses against emotionally laden re-experiencing symptoms (Carlson, Armstrong, & Loewenstein, 1997; Melchert & Parker, 1997). Therefore, because psychological defenses play a role in reports of trauma and symptoms, we decided to include a Modified Stroop Procedure (MSP) to detect emotional reactivity to trauma-related words (Cassiday, McNally, & Zeitlin, 1992; Foa, Feske, Murdock, Kozak, & McCarthy, 1991). The MSP is a colour-naming, computerized task that assesses emotional reactivity to positive, neutral, and trauma-related words. Trauma-related interference is assessed through relative latency in response to trauma-related words. Strong MSP responses and minimal reports of trauma suggests trauma under reporting, which highlights cases for potential exclusion from particular analyses. Otherwise, the MSP provided an additional measure of trauma symptom severity. The MSP took approximately 10 minutes for mothers to complete.

**Trauma-Related Symptomatology:**
- **Trauma Symptom Inventory (TSI; Briere,1995).** This 100-item test yields three validity and ten clinical scales that reflect both acute stress symptoms and PTSD. Adequate internal consistency and criterion and construct validity have been reported (Briere, 1995). The validity scales will be used to identify cases of over- or under-reporting of trauma symptoms (with deletion of invalid cases from the data set, as appropriate).
- **The Inventory of Altered Self-Capacities (IASC; Briere, 2000).** This 63-item questionnaire assesses constructs linked with chronic interpersonal childhood trauma (difficulties in relatedness, self-identity, and affect-regulation). Briere (2000) reported satisfactory reliability and construct, convergent, and discriminant validity.

**Other Maternal-Report Variables:**
- **Parenting Stress Index (PSI; Abidin, 1983).** The Parenting Stress Index assesses the degree of stress experienced by a parent in the context of the parent childhood relationship. This 120-item measure yields three dependent scores: Parent Stress, Child Stress, and Life Stress. Internal consistency reliability coefficients for domain and total scores range from .85 to .95 (Abidin, 1983). Several studies have demonstrated discriminant validity (Abidin, 1990).
- **Social Support Questionnaire (SSQ; Sarason, Levine, Basham, & Sarason, 1983).** For each of 27 questions, respondents list up to nine social supports. A sample item is, “Whom can you really count on to listen to you when you need to talk?” Respondents then rate satisfaction with the support received from each person listed. Mothers will answer the questionnaire concerning their current situation, and again retrospectively regarding their childhood. The dependent variables Network Size and Satisfaction
each show high internally consistency (alphas = .97 and .94, respectively) and interrater stability (6 weeks; r = .90 and .85, respectively).

**Maternal Emotional Awareness/Socialization:**

- **IFEEL Picture Task** (Emde, Osofsky, & Butterfield, 1993). Mothers in this study completed the IFEEL Picture Task during the first visit. In this task mothers were asked label the emotions represented on 30 pictures of infants, each depicting emotion-related facial expressions. Responses were placed into one of 12 different emotion categories (and an Other category) using an emotion lexicon provided by the authors. Adequate test-retest reliability (Appelbaum, Butterfield, & Culp, 1993) and good discriminant validity (Emde et al., 1993) have been reported for this measure.

- **Picture Book Task.** At the beginning of the second visit, mothers and their children were given a copy of a “picture book” containing eight pictures from the IFEEL task. They were left alone in the room for three minutes with the general instructions that they may look at the book “like they would look at a book at home.” This procedure has been used by Zahn-Waxler, Ridgeway, Denham, Usher and Cole (1993) and others. The Scale of Maternal Affective Language (SMAL) and the Scale of Child Affective Language (SCAL) (Knopp, DeOliveira & Bailey, 2004) were constructed for the purpose of the present study. Both the SMAL and SCAL are Guttman-type five-point scales, anchored in concrete behavioural descriptions, ranging from 1- avoidance of emotion language to 5 – highest level of emotion socialization (mother) or elaborate and active participation in emotion task (child). Twelve videotapes were randomly selected coded by two independent raters for interrater reliability. Pearson correlation coefficients of .83 for the SMAL scale and .90 for the SCAL scale indicated sufficient levels of interrater reliability.

**Child Emotional Development and Affect Regulation.**

- **Affect Task** (Steele, Steele & Fonagy, 1994). Following the Picture Book Task, the experimenter returned to the room and the mother left. The child and the experimenter then engaged in the Affect Task. This test involves pictorial and story vignettes of a child engaged in social interactions with friends or family members. Children identify the child characters’ emotions and explain the reasons for those emotions. Dependent variables include the Range of Emotions, Accuracy of Emotion to Context, and Resolution of Difficult Emotions. Steele, Steele, Croft, and Fonagy (1999) demonstrated construct validity for this measure.

- **Frustration Task.** Following the Affect Task, the examiner asked the child to complete a puzzle that was too difficult for his or her age (the WISC-III “soccer ball” puzzle), with the promise of prize based upon performance. During this two-minute task, the examiner sat close by but did not offer her assistance. At the end of the two minutes, the children were gently informed that the puzzle was too difficult for children their age and they were praised for their “hard work”. The children were then able to choose a small prize from a toy chest as a reward. Essentially, the emotion regulatory goal of this task was persistence in the face of frustration. The Frustration Task and the Delay of Gratification Task were both coded using the Preschool Emotion Regulation Coding Scheme (PERCS; DeOliveira, Geadah, & Wolfe, 2004) that was constructed for the current study. The details of this coding system are outlined below.

- **Peabody Picture Vocabulary Task** (PPVT; Dunn & Dunn, 1997). Following the Frustration Task, the children completed a 20-minute receptive vocabulary task with the examiner, the Peabody Picture Vocabulary Task (PPVT; Dunn & Dunn, 1997) as part of the laboratory assessment. In this task, children are asked to point to one of four pictures that best represent a particular vocabulary word read by the examiner. This assessment is often used as a quick and valid assessment of receptive vocabulary and estimate for general verbal intelligence and has been shown to have sound psychometric properties (Dunn & Dunn, 1997). In the current study, this measure was included to covary out individual differences in emotion language or regulation due to the child’s verbal/cognitive ability.

- **Delay of Gratification Task.** The Delay of Gratification Task followed the PPVT. For this task, the examiner demonstrated to the child how to use two very interesting toys, a remote-controlled robot and an electric guitar. After the demonstration, the examiner told the child that the toys belonged to another
child in the building and stated that she was going to leave the room and ask for permission to play with the toys. The examiner instructed the participating child to stay in the room and to not touch the toys until she returned. The child was then left alone in the room for three minutes with the attractive but unattainable toys, while the examiner and the parent observed through the one-way mirror. After three minutes the examiner returned and gave the child permission to play with the toys. This task was also coded using the PERCS.

- **Preschool Emotion Regulation Coding Scheme (PERCS; DeOliveira, Geadah, & Wolfe, 2004).** Specific behaviours were coded in five-second intervals over the Frustration and Delay of Gratification Tasks. The behaviour categories were not mutually exclusive (i.e. more than one behaviour could occur in each episode), but were designed to be exhaustive. Descriptions of the behavioural codes used in coding the Frustration Task included: Asking for Help, Passive Waiting, Behavioural Distraction, Cognitive Distraction, Looking at the Examiner and uttering Neutral Statements, Negative Statements or Other (off task) Statements, and Working on the Puzzle. Eight specific child emotion regulatory behaviours were coded in the Delay of Gratification Task, again with a focus on behavioural, cognitive, and emotional strategies. The specific codes relevant to this task were: Focussing on Situational Demands, Passive Waiting, Behavioural Distraction, Cognitive Distraction, Focussing on the Toy, Touching the Toy, Complete Avoidance and Emotion/Tension Regulation. A total of 20% of the videotapes were randomly selected and coded for inter-rater reliability, where a Kappa of at least .50 was the minimum. For the Frustration Task, Fair reliability (kappa=.52) was demonstrated for Working on the Puzzle (WP), while good agreement was shown for Asking for Help (AH; kappa=.64), Looking at the Examiner (LA; kappa=.68) and Neutral Statement (NS; kappa=.62), and Negative Statement (NE; kappa=.71). The remaining codes – Behavioural Distraction (BD), Complete Avoidance (CA), Other Statements (OT), and Passive Waiting (PW) – were observed so infrequently during the Frustration Task that interrater reliability calculations were not possible. Thus, these codes were removed from further analyses. Good interrater reliability was also achieved for the Delay of Gratification Task. Based on the Kappa statistic, fair reliability (kappa=.55) was demonstrated for Passive Waiting (PW), while good agreement was shown for Behavioral Distraction (BD; kappa=.69), Cognitive Distraction (CD; kappa=.74), Emotion/Tension regulation (ET; kappa=.66), and Focussing on the Toy (FT; kappa=.73). Excellent inter-rater reliability was exhibited for Complete Avoidance (CA; kappa=1.0), Situational Demands (SD; kappa=.83), and Touching or Playing with the Toy (TP; kappa=.93). As CA and ET occurred very infrequently, and the reliability scores were based on very few observations, these codes were removed from further analyses.

**Maternal Emotional Availability**

- **Parent-Child Interaction Task.** Shortly after the Delay of Gratification Task, the mother returned to the observation room to participate in the Parent Child Interaction Task. She was instructed to play with her child for a brief period (5 minutes) and, upon hearing a knock on the window of the observation room, to ask her child to help her clean up the toys. These instructions were similar to those used in the validation of the Emotional Availability Scales (Biringen et al., 2000). Subsequent to the “clean-up” period, the examiner returned to the observation room with a snack for the mother and child, and they were observed for an additional 3 minutes during this “snack time.”

- **Emotional Availability Scales (Biringen et al., 2000).** The Emotional Availability Scales 3rd Edition (Biringen et al. 2000) is an observational coding system designed to assess emotional availability and appropriateness of emotional behaviors in parent-child dyads. Specifically, The EA scales assess parental emotional availability through four dependent variables: (a) sensitivity (i.e., responsiveness to the child’s emotional cues); (b) structuring (i.e., scaffolding according to the abilities and interests of the child); (c) non-intrusiveness (i.e., being an available parent without intruding on the child’s autonomy); and (d) non-hostility (i.e., speaking and acting towards the child in ways that are not abrasive, impatient, or antagonistic). Rating scales are continuous (using the Likert method) but the scale points are all anchored in concrete descriptions of behaviors. In the current study, 20 dyads were randomly selected and coded for inter-rater reliability by two independent observers. The reliability correlations of the EA Scales were: $r = .73, p<.01$ for sensitivity, $r = .60, p<.01$ for structuring, $r = .81, p<.01$ for non-intrusiveness, and $r = .71,$
p<.01 for non-hostility. On closer examination of the structuring scale, it became evident that a generally restricted range of scale points contributed to the lower than anticipated interrater reliability. This variable was excluded from further analyses and the variables of sensitivity, non-intrusiveness, and non-hostility were retained.

**Preliminary Results**

**Note:** At the time of this summary we have analyzed the associations between maternal trauma and trauma symptomatology and emotional awareness and availability and child emotion regulation. Other tasks and measures (e.g. Picture Book Task, Affect Task, Modified Stroop Procedure) are currently in the process of being coded and analyzed. The preliminary findings are presented below.

**Trauma and Emotional Awareness and Availability**

Correlational analyses revealed that mothers with a history of emotional abuse and physical neglect and recent life stress were more hostile in interactions with their children during the Parent-Child Interaction Task. When entered into a hierarchical multiple regression, together these variables accounted for 11% of the variance in hostility after controlling for demographic variables, $R=3.27, p<.05$.

With respect to the IFEEL Picture Task, mothers with a history of emotional abuse, physical abuse, and life stress were also more likely to attribute Caution to the IFEEL pictures. These variables together accounted for 18% of the variance in Caution, $R=.42, p<.001$. The Caution category included emotion labels such as careful, doubting, hesitant, inhibited, shy, tentative, unsure, vulnerable and watchful.

We were also interested in the question of whether mothers with multiple forms of childhood trauma (in moderate-severe range on >2 scales on the CTQ) were more likely to have difficulties with emotional availability than mothers with more “simple” trauma (in moderate-severe range on 1-2 scales on the CTQ) and mothers with no trauma. To address this question, emotional availability scales (sensitivity, structuring, intrusiveness, and hostility) were entered into a multivariate analysis of variance as dependent variables with complexity of trauma as the between groups variable. After covarying out demographic variables, the multivariate effect was significant according to Pillai's statistic, $p<.05$. There were significant univariate effects for non-intrusiveness and non-hostility ($ps$ of <.05 and <.01, respectively). Posthoc comparisons revealed that mothers with a history of complex trauma were more intrusive and more hostile than mothers with a history of simple trauma. Interestingly, despite the fact that mothers with a history of sexual abuse were not coded as being any less emotionally available, these mothers tended to report lower levels of perceived parenting competence on the PSI.

**Trauma symptoms and Emotional Awareness/availability**

We found a different pattern in investigating the links between trauma symptoms (on the TSI) and emotional awareness and availability. Mothers who reported more symptoms on the TSI attributed more Distress to the IFEEL pictures. The Distress category included emotions such as: pain, pleading, screaming, struggling, upset, whimpering, anguish and hysterical. The majority of the variance in the association between trauma symptoms and the Distress category was accounted for maternal Depression on the TSI (accounting for 14% of the variance after controlling for demographic variables, $R=.38, p<.001$).

There was no significant linear relationship between depression and maternal behaviour. However, earlier work by Lyons-Ruth (Lyons-Ruth et. al., 1986) provided some evidence suggesting a non-linear relationship between maternal reports of depression and parenting. Based on this research, maternal depression data in the current study was split into three categories: low (lowest third), moderate (middle third) and high (highest third). Through a one-way analysis of variance we found that mothers in the high depression group were significantly less sensitive and less structuring during the Parent-Child Interaction Task than mothers in the moderate range (post hoc $p <.01$). Interestingly, mothers who reported low levels of depression were also less sensitive than mothers in the moderate range, paralleling past findings.

**Emotional Availability and Child Emotion Regulation**

After controlling for demographic variables and child PPVT scores, maternal non-intrusiveness during
the Parent-Child Interaction Task predicted child emotion regulatory behaviours during the Frustration Task. Specifically, maternal non-intrusiveness predicted children’s Asking for Help (AH) and making Neutral Statements (NS), $F(1,77)=7.15, p<.01$ and $F(1,77)=5.45, p<.05$, respectively. That is, children who frequently asked for help or made neutral statements during the Frustration task had mothers who were rated as being more intrusive during parent-child interactions. Accordingly, maternal non-intrusiveness also predicted the amount of time that children spent Working on the Puzzle (WP), $F(1,77)=6.0, p<.05$. In short, children of less intrusive mothers spent more time working on the puzzle and less time asking for help or making other neutral comments about the task.

None of the maternal emotional availability variables were significant predictors of child emotion regulatory behaviours during the Delay of Gratification Task. Several emotion regulatory behaviours were predicted by the demographic variables, however. Child age and status as a single mother significantly predicted the use of the cognitive distraction strategy, together accounting for 30% of the variance in CD, $F(2, 77) = 16.72, p<.001$. These variables also significantly predicted child Passive Waiting during the task, $F(2, 77) = 5.03, p<.01$. In sum, younger children and children of single mothers were less likely to use the cognitive distraction strategy and more likely to wait passively during the delay period. Focusing on the toy (FP) was significantly predicted by maternal age, $F(1,77) = 5.70, p<.05$. Younger mothers had children who were more likely to focus on the toy during the delay period.

**Trauma and Child Emotional Regulation.**

Stepwise hierarchical regression analyses were performed to determine if any maternal child abuse experiences were significant predictors of child emotion regulatory behaviours. Demographic variables were entered first in the analyses, followed by the different types of abuse. Results indicated that, after controlling for demographic variables, emotional abuse experiences significantly predicted child looking at the examiner during the Frustration Task, $R=.37, p<.01$. Similarly, child physical abuse predicted making other statements, and not working on the puzzle ($R=.26, p<.05$ and $R=.25, p<.05$). In sum, both emotional abuse experiences and physical abuse experiences were associated with less adaptive emotion regulatory behaviours during the Frustration Task. There were no associations between child abuse experiences and emotion regulatory behaviours during the Delay of Gratification Task. Maternal trauma symptoms were not related to emotion regulatory behaviours in either task.

**Summary and Clinical Implications**

The preliminary results suggest that mothers who grew up in an abusive environment, particularly when they were subject to emotional abuse and neglect, were vulnerable to having difficulties socializing emotion in their own children. Mothers who were raised in an emotionally impoverished environment may lack the skills to socialize their own children’s emotions as they lacked these essential caregiving experiences themselves. These mothers may be more vulnerable to becoming dysregulated when faced with experiences of stress or trauma. In the current study mothers with a history of physical and emotion abuse appeared to react to ambiguous emotions by projecting their own vulnerabilities, as evidenced their attribution of caution to the IFEEL pictures stimuli. Abused mothers responded to their own children with greater hostility. Interventions with these mothers may focus on direct parental guidance around increasing emotional awareness and sensitivity.

Mothers who reported significant symptoms of distress, particularly depression, saw more distress in the IFEEL pictures. Again, one might assume that the IFEEL pictures were serving as a projective stimulus. Mothers who reported high levels of depression also behaved less sensitively in interactions with their own children. These mothers may have more difficulty tolerating negative affect in their children and experience the displays more intensely, interfering with their capacity for sensitivity. Such mothers may benefit from an intervention aimed at helping to distinguish between their own states and experiences and those of their children and developing empathy toward their children’s individual experiences.

Interestingly, while abuse experiences were associated with child emotion regulatory behaviours in the Frustration Task, trauma symptoms were not. Maternal trauma symptoms may have an impact on child emotion regulation in a way that was not picked up by our paradigms. Difficulties in emotion regulation in
naturalistic relationship contexts, such as peer or family relationships, may be important to consider in future research. In the current study we are in the process of coding maternal and child affective language in the Picture Book Task and children’s emotional representations in the Affect Task. When coded, these variables may provide us with additional insight into the impact of maternal abuse history and related symptomatology on child emotional development.

What is apparent in these preliminarily results is that mothers with severe and complex trauma histories, coupled with high symptoms of distress, will be at very high risk for having difficulties responding to their children’s emotions, both at an automatic/unconscious level and at a behavioural level. These vulnerable mother-infant dyads would be important targets for early identification and intervention efforts aimed at enhancing the quality of the mother-child relationship.

References


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