Early Maladaptive Schemas and Personality Disorder Traits in Perpetrators of Intimate Partner Violence

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Abstract. Personality disorders (PDs) are highly prevalent among perpetrators of intimate partner violence (IPV). Schema Therapy proposes a number of early maladaptive schemas (EMSs) that are involved in the development of PDs. This study examined the prevalence of PD traits in a sample of men who committed violence against their partners and the relationship between EMSs domains and PD traits. With this aim, a sample of 119 convicted men completed the Young Schema Questionnaire-Short Form (YSQ-SF; Young & Brown, 1994) and the Millon Clinical Multiaxial Inventory (MCMI-III; Millon, Millon, & Davis, 1994). The results showed that the most prevalent PD traits were narcissistic (24.6%), obsessive-compulsive (21.9%), and paranoid (17.5%). These PD traits were linked to several EMSs in ways consistent with the Schema Therapy model. Namely, narcissistic PD traits were positively associated with schemas of the impaired limits domain and were negatively associated with the other-directedness domain. The paranoid PD traits were associated with the disconnection and rejection domain and the impaired autonomy and performance domain. Finally, both borderline and antisocial PD traits were associated with the disconnection and rejection domain and the impaired limits domain. These findings suggest that the assessment and modification of EMSs should be a factor to consider for inclusion in the treatment programs for perpetrators of IPV in order to provide comprehensive intervention of this population.

Keywords: early maladaptive schemas, schema therapy, personality disorders, intimate partner violence, perpetrators intimate partner violence.

The psychopathology of perpetrators of IPV has been the focus of several studies in the recent decades. These studies have indicated that personality disorders (PDs) are the most predominant psychopathological problem in this population (e.g., Fernández-Montalvo & Echeburúa, 2008; Hamberger & Hastings, 1988, Holtzworth-Munroe & Stuart, 1994; Johnson et al., 2006; Loinaz, 2009; Saunders, 1992; White & Gondolf, 2000). Although there are discrepancies, past studies generally have shown that the most prevalent PDs among perpetrators of IPV are the antisocial, narcissistic, borderline, obsessive-compulsive, dependent, and paranoid PDs (e.g., Fernández-Montalvo & Echeburúa, 2008; Johnson et al., 2006; Langhinrichsen-Rohling, Huss, & Ramsey, 2000; Loinaz, 2009; Tweed & Dutton, 1998; White & Gondolf, 2000). The Schema Therapy model proposes a number of early maladaptive schemas (EMSs) that underlie PDs (Young, 1999; Young, Klosko, & Weishaar, 2003). EMSs consist of organized elements of past behaviors and experiences that shape a relatively cohesive and persistent body of knowledge and guide subsequent appraisals (Segal, 1988). The EMSs proposed by Young comprise broad and profound patterns that include cognitions, emotions, and bodily sensations. These EMSs are deep-rooted and are inflexible in terms of beliefs about the self, others, and the world (Carr & Francis, 2010).

Young identified 18 cognitive schemas grouped into five domains or categories (Young, 1999; Young et al., 2003). The disconnection and rejection domain includes schemas that imply that one’s needs for security, empathy, nurturance, acceptance and respect will not be met. Some of the EMSs included in this domain are abuse/mistrust, emotional deprivation, and defectiveness. The impaired autonomy and performance domain includes schemas involving a negative view of one’s ability to succeed or function independently from others (e.g., dependence, vulnerability to harm, and failure schemas). The impaired limits domain includes schemas characterized by a deficiency in establishing internal limits, in assuming responsibilities for others and in forming long-term goals. These schemas also imply difficulty cooperating with others and respecting their...
rights. The EMSs included in this domain are insufficient self-control and entitlement. The other-directedness domain includes schemas that imply the search for attention, love, and approval through an emphasis on others’ satisfaction at the expense of one’s own needs (McGinn & Young, 1996). The EMSs included in this category are subjugation, self-sacrifice, and approval seeking. Finally, the overvigilance and inhibition domain includes schemas characterized by the suppression of feelings and impulses or the following of strict rules and expectations (e.g., the schemas of unrelenting standards and emotional inhibition).

Recent studies have provided evidence for the association between EMSs and PDs. Borderline PD has been the most frequently studied disorder in Schema Therapy, which has received a strong support in the treatment for this disorder (Rafaeli, Bernstein, & Young, 2011). Individuals with borderline PD have frequent mood, thought and behavioral changes (DSM-IV-TR: American Psychiatric Association, 2000; Arntz & Genderen, 2009). Because of this variability, these people can activate different EMSs at any given moment (Arntz & Genderen, 2009). Borderline PD often appears to be associated with schemas of the disconnection and rejection domain (Arntz & Genderen, 2009; Ball & Cecero, 2001; Jovev & Jackson, 2004; Reeves & Taylor, 2007). Dependent PD and related traits have mainly been associated with the domain of impaired autonomy and performance (e.g., the dependence schema; Schmidt, 1994) and with the disconnection and rejection domain (e.g., the abandonment schema; Carr & Francis, 2010; Gude, Hoffart, Hedley, & Ro, 2004; Nordahl, Holthe, & Haugum, 2005; Petrocelli, Glaser, Calhoun, & Campbell, 2001; Reeves & Taylor, 2007). Histrionic PD has been associated with the schema of subjugation within the other-directedness domain (Carr & Francis, 2010) and has been associated negatively with schemas such as mistrust and social isolation of the disconnection and rejection domain (Carr & Francis, 2010; Reeves & Taylor, 2007). Antisocial PD is considered to be associated with the disconnection and rejection domain (Ball & Cecero, 2001) and with the impaired limits domain (Loper, 2003). Obsessive-compulsive PD has been associated with the overvigilance and inhibition domain (Carr & Francis, 2010; Jovev & Jackson, 2004; Reeves & Taylor, 2007; Schmidt, 1994) and with the impaired autonomy and performance domain (Reeves & Taylor, 2007). Paranoid PD has been associated with some EMSs from the disconnection and rejection domain, such as abuse (Carr & Francis, 2010; Nordahl et al., 2005; Reeves & Taylor, 2007; Schmidt, 1994), defectiveness and emotional deprivation (Nordahl et al., 2005). Paranoid PD is also associated with the vulnerability to harm schema from the impaired autonomy and performance domain (Bernstein & Useda, 2007). Narcissistic PD has been associated mainly with the EMSs in the impaired limits domain (Nordahl et al., 2005; Reeves & Taylor, 2007; Sines, Waller, Meyer, & Wigley, 2008) and some EMSs from the disconnection and rejection domains (Reeves & Taylor, 2007; Sines et al., 2008). The symptoms of this PD have also been found to be associated with some EMSs from the overvigilance and inhibition domain, such as unrelenting standards (Petrocelli et al., 2001; Sines et al., 2008), and negatively associated with EMSs from the other-directedness domain, such as self-sacrifice (Carr & Francis, 2010).

Surprisingly, although personality disorders are highly prevalent among perpetrators of IPV, the presence of EMSs in this population has not yet been studied. EMSs share several characteristics with other cognitive and emotional traits that have been identified in perpetrators of IPV. For instance, the disconnection and rejection domain includes the mistrust and abandonment schemas, which are related to traits identified among perpetrators of IPV. The mistrust schema is similar to the hostile attribution biases often displayed by perpetrators (Dutton, 1986; Henning, Jones, & Holdford, 2005; Henning & Holdford, 2006; Holtzworth-Munroe & Hutchinson, 1993; Shields & Hanneke, 1983). The abandonment schema is consistent with findings that indicate that batterers often overreact in situations that involve potential abandonment, rejection or jealousy (Dutton, 1988; Holtzworth-Munroe & Anglin, 1991; Holtzworth-Munroe & Hutchinson, 1993). In fact, real abandonment and break-ups are considered a risk factor for uxoricide (killing of the female partner; Daly & Wilson, 1988). Finally, the entitlement schema of the impaired limits domain is very close to narcissism, which predicts aggressive behavior in several fields (Baumeister, Bushman, & Campbell, 2000; Bushman & Baumeister, 1998; Calvete, 2008; Fite, Raine, Stouthamer-Loeber, Loeber, & Pardini, 2010). Moreover, according to several typologies of perpetrators of IPV, there is a subtype of perpetrator of IPV with traits of antisocial and narcissistic disorder (e.g., Johnson et al., 2006; White & Gondolf, 2000), which are characterized by entitlement and an unstable self-concept.

The purpose of the present study was to assess whether EMSs are associated with PD traits in a sample of perpetrator of IPV who have been convicted of this crime. The focus was on those PDs that are more prevalent among perpetrators according to previous research. We assessed those EMSs domains that share contents with the emotional and cognitive traits identified in the most common typologies of perpetrators (e.g., Chase, O’Leary, & Heyman, 2001; Dutton, 1988, 2007; Holtzworth-Munroe & Stuart, 1994; Johnson et al., 2006; Tweed & Dutton, 1998; White & Gondolf, 2000): Disconnection and rejection, other-directedness, impaired limits, and impaired autonomy and performance.
We expected that the disconnection and rejection schema domain would be associated with borderline, antisocial and paranoid PDs, the impaired limits domain would be associated with the antisocial, borderline and narcissistic PDs, the impaired autonomy and performance domain would be associated with the dependent and borderline PDs, and the other directedness domain would be associated with dependent PD.

Method

Participants

The sample consisted of 119 men convicted of intimate partner violence (IPV) in Spain. Of these convicted men, 58.8% had recently initiated a psychological intervention out-prison program and 41.2% had recently initiated an in-prison psychological intervention program at one of the three prisons in the Basque Country in Spain. The measurements were taken between April 2009 and April 2011. Participants were between 19 and 70 years old (M = 40.96; SD = 9.70). The nationalities of the participants were as follows: 58.2% Spanish, 11.9% Bolivian, 7.5% Colombian, 7.5% Ecuadorian, 4.5% Peruvian, 3% Cuban, 3% French, 1.5% Portuguese, and 1.5% Salvadorian. The non-Spanish participants had a good knowledge of reading, writing and speaking in Spanish. We used the CTS-2 (Conflict Tactics Scales-2 -CTS2: Straus, Hamby, Boney-McCoy, & Sugarman, 1996) to assess the type of violence committed by the participants before being reported to the authorities: 94.6% of the men admitted to having been psychologically abusive, 74.6% admitted physical violence, and 26.3% admitted acts of sexual coercion.

Measures

The Millon Clinical Multiaxial Inventory-III (MCMI-III; Millon et al., 1994) provides information about personality traits and possible PDs and about different clinical syndromes. This inventory has a high correspondence with the Diagnostic and Statistical Manual of Mental Disorders (e.g., APA, 2000), and it has been well researched and widely used (Craig, 2008). The MCMI-III consists of 175 items with a dichotomous-response format (true or false) that assesses 24 personality and clinical scales (Millon et al., 1994). In this study, we used the Spanish version (Cardenal & Sánchez, 2007), which has adequate internal consistency (α coefficient: .65 -.88). We used the scales of the MCMI-III that assess those PDs that are most prevalent among perpetrators of IPV according to the literature; these included the paranoid, borderline, obsessive-compulsive, narcissistic, histrionic, antisocial, aggressive-sadistic, and dependent personality disorders.

The Schema Questionnaire-short form (YSQ-SF, Young & Brown, 1994) was used to assess EMSs. The YSQ-SF consists of 75 items and assesses 15 cognitive schemas (5 items per schema). Participants rated items using a 6-point scale, ranging from 1 (completely untrue of me) to 6 (describes me perfectly). In this study, we selected only 10 of the 15 EMSs included in the YSQ-SF to make shorter the questionnaire and make easier the consent to participate (a total of 50 items). These EMSs belonged to the schema domains that according to the previous studies were more relevant to those personality disorder characteristics of perpetrators: disconnection and rejection, impaired autonomy and performance, other-directedness, and impaired limits. The domain of disconnection/rejection included the schemas of abandonment, mistrust, emotional deprivation, and defectiveness. In the present study, the domain of Impaired Autonomy and Performance was represented by the schemas of failure, dependence, and attachment. The schemas within the domain of impaired limits included the grandiosity and insufficient self-control. Finally, the schema of subjugation was included within the domain of Other-directedness. Whereas the majority of the studies have confirmed the EMSs factor structure of the YSQ, there is a great discrepancy about the schema domains structure (for reviews see Calvete, Orue, & Gonzalez-Diez, 2013; Kriston, Schäfer, von Wolff, Härter, & Höfzel, 2012). Overall, the disconnection/rejection and impaired autonomy schema domains are well supported by confirmatory factor analyses whereas findings for the other schema domains are mixed. For this reason, as a preliminary step, we examined whether the EMSs assessed in this study were explained by a four schema domains structure by means of confirmatory factor analyses (see results section). The alpha coefficients were .84, .78, .52, and .73 for disconnection and rejection, impaired autonomy and performance, other-directedness, and impaired limits domains, respectively.

Procedure

Permission was granted by the General Secretary of the Spanish Penitentiaries and the Instituto de Reintegración Social de Bizkaia (Social Reintegration Institute of Biscay) to conduct this study using men convicted of IPV. All participants signed an informed consent form after being informed about the voluntary nature of the study and its confidentiality and anonymity. Participants were also informed about the absence of prison or treatment benefits for participation and the absence of negative effects in the event of the refusal to participate. The questionnaires were completed in the cells of the incarcerated men and in the homes of the out-treatment cases. All participants were
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Table 2. Descriptive statistics for Early Maladaptive Schemas and domains in Perpetrators of Intimate Partner Violence

<table>
<thead>
<tr>
<th>Disconnection &amp; rejection domain</th>
<th>Emotional privation</th>
<th>Abandonment</th>
<th>Mistrust</th>
<th>Defectiveness</th>
<th>Impaired autonomy domain</th>
<th>Impaired limits domain</th>
<th>Grandiosity</th>
<th>Insufficient self-control</th>
<th>Other-directedness domain (subjugation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD</td>
<td>14.92</td>
<td>5.44</td>
<td>5.82</td>
<td>4.73</td>
<td>10.66</td>
<td>8.71</td>
<td>4.88</td>
<td>4.56</td>
<td>4.03</td>
</tr>
</tbody>
</table>

Encouraged to ask questions if they had any trouble answering the items.

Results

General statistics and prevalence of personality disorders

Table 1 shows the percentage of participants who met the criteria for clinical traits and/or possible personality disorders according to their scores on the MCMI-III. The results show that 27.7% of the sample of perpetrators had a possible PD (MCMI-III > 84) and that 57.1% met the criteria for clinical personality traits (MCMI-III > 74). The obsessive-compulsive PD was the most prevalent in the sample (11.4%), followed by the antisocial PD (6.1%) and the narcissistic and histrionic PDs (5.3% each). However, according to both scores (possible PD and clinical personality traits), the most predominant PD traits were the narcissistic (24.6%), followed by the obsessive-compulsive (21.9%) and paranoid PD traits (17.5%). The least prevalent PD traits in our sample for both scores were the aggressive-sadistic PD traits (3.5%).

Table 2 displays the means and standard deviations for the schemas and schema domains.

Confirmatory factor analysis of the schema domains

A confirmatory factor analysis was conducted to assess the latent structure of the domains of the 10 EMSs measured in the study. The models were tested via maximum likelihood (ML) estimation with LISREL 8.8 (Jöreskog & Sörbom, 2006). Following the recommendations of a number of authors (e.g., Hu & Bentler, 1999), goodness of fit was assessed by the comparative fit index (CFI) and the non-normed fit index (NNFI), the root mean square error of approximation (RMSEA) and the standardized root-mean-square residual (SRMR). Generally, CFI and NNFI values of .95 or above, RMSEA values of .06 or less and SRMR values of .08 or less reflect that the model adequately fits the data. We used the effects-coding method proposed by Little, Slegers, and Card (2006) to identify and set the scale of the latent variables. This method consists of constraining the set of indicator intercepts to sum to zero for each construct and the set of loadings for a given construct to average 1.0, which is the same as having them sum to the number of unique indicators. The hypothesized model consisted of a four correlated domain structure (disconnection/rejection, impaired...
autonomy, other-directedness, and impaired limits). This model showed adequate fit indexes, $\chi^2(29, N = 119) = 46$, CFI = .98, NNFI = .98, RMSEA = .072 (90% CI: .028, .10), SRMR = .059. We estimated two alternative models to compare with the hypothesized model. The first alternative model was similar to the hypothesized model but with the four factors uncorrelated. This model increased $\chi^2$ significantly, $\Delta\chi^2(6, N = 119) = 22, p < .001$. The second model consisted of a unique factor. This model also increased $\chi^2$ significantly, $\Delta\chi^2(6, N = 119) = 17, p = .009$. Thus, these results supported a four correlated schema domains structure.

**Relationship among EMSs and PDs**

The hypothesized model included paths between schema domains and PD traits. Both the schemas domains and the PD traits were specified as correlated. The initially estimated model showed that some paths were not statistically significant. The model was re-estimated with only the significant paths, which are shown in Figure 1. This model showed excellent fit indexes, $\chi^2(18, N = 119) = 23.68, p = .17; \text{SRMR} = 0.060, \text{CFI} = 1, \text{NNFI} = .99, \text{RMSEA} = 0.053 (90\% \text{CI}: .01, .10)$. The other-directedness domain was positively associated with the dependent PD traits and was negatively associated with the narcissistic and aggressive-sadistic PD traits. The impaired limits domain was positively associated with the narcissistic, aggressive-sadistic, antisocial and borderline PD traits and was negatively associated with the obsessive-compulsive PD traits. The disconnection and rejection domain was positively associated with the antisocial, aggressive-sadistic, borderline, and paranoid PD traits and was negatively associated with the histrionic PD traits. Finally, the impaired autonomy and performance domain was positively and uniquely associated with the paranoid PD traits.

**Discussion**

This study examined the prevalence of PD traits in a sample of men who committed violence against their partners and investigated the relationships among EMSs and PD traits. The results suggest that 27.7% of the perpetrators of IPV possibly display one of the eight PDs considered in this study and that 57.1% display clinical personality traits of at least one of these disorders. Thus, taking into account both the possible PDs and the clinical traits, 78.1% of the men in this study presented dysfunctional personality traits. It is important to consider both types of scores for clinical purposes because together they provide a more accurate indication of personality tendencies and styles (Gondolf, 1999). These findings are consistent with

![Figure 1. Associations between early maladaptive schema domains and personality disorders. Values given are standardized coefficients. * $p < .05$, ** $p < .001$](https://www.cambridge.org/core/terms).

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those obtained in other previous studies that have used the same version of the MCMI (Gondolf, 1999; Loinaz, 2009), and indicate that the most prevalent PD traits among convicted perpetrators of IPV are the narcissistic (24.6%), obsessive-compulsive (21.9%), and paranoid (17.5%).

The participants displayed high scores on EMSs. For instance, in comparison with clinically depressed participants in a recent study by Halvorsen, Wang, Eisemann, and Waterloo (2010), the perpetrators of IPV scored higher on the impaired limits domain and scored similarly on the disconnection and rejection domain. Moreover, perpetrators’ scores on all domains were higher than the scores obtained in a control group in Halvorsen and colleagues’ study.

Regarding the relationship between EMSs and PD traits, the results provide support for the Schema Therapy model, showing several significant paths that are consistent with the theoretical assumptions of the model (Young, 1999; Young et al., 2003) as described below.

Narcissistic PD traits are positively associated with the impaired limits domain and negatively associated with the other-directedness domain. This finding supports the idea that individuals with these PD traits may try to exploit others to satisfy their own objectives and needs (Sperry, 2003) and may have difficulty recognizing others’ needs and feelings (Beck, Freeman, & Davis, 2004).

Antisocial and borderline PD traits have also been positively associated with the impaired limits domain. Furthermore, these PD traits have been associated with the disconnection and rejection domain. In the case of antisocial PD traits, our results are congruent with those obtained by Loper (2003) and Ball and Cecero (2001) and support the idea that people with antisocial PD might have a defective and vulnerable self-concept, a hostile vision of others, mistrust of others’ intentions and a reliance on violent strategies as a solution to their problems (Beck, 1999). Regarding borderline PD traits, our results support the lack of control as a characteristic of people with this disorder and their tendency to avoid being abandoned (DSM-IV-TR, 2000).

Furthermore, these findings are consistent with the characteristics proposed for some types of perpetrators, such as those who have difficulties for self-regulating emotions (Chase et al., 2001; Holtzworth-Munroe & Stuart, 1994; Johnson et al., 2006; Langhinrichsen-Rohling et al., 2000; Tweed & Dutton, 1998) and those characterized by entitlement and an unstable self-concept (e.g., Johnson et al., 2006; White & Gondolf, 2000).

Aggressive-sadistic PD traits were positively associated with the impaired limits and disconnection and rejection domains and was negatively associated with the other-directedness domain. These results should be viewed cautiously because no other research has examined the relationship between EMSs and aggressive-sadistic PD traits and because of the small number of subjects in our sample with traits of this disorder.

Paranoid PD traits are associated with the domains of disconnection and rejection and impaired autonomy and performance. These results imply that perpetrators of IPV with paranoid traits believe that others will intentionally not satisfy their needs. These beliefs could lead these men to lose self-control and react aggressively in situations in which they feel they are being harmed, cheated, humiliated or manipulated. These results agree with the cognitive traits attributed to individuals with this PD (Beck et al., 2004; Pretzer, 1988; Shapiro, 1965; Sperry, 2003). Likewise, our results are congruent with those of other studies that have considered the associations between this PD and EMSs (Carr & Francis, 2010; Nordahl et al., 2005; Reeves & Taylor, 2007; Schmidt, 1994).

Histrionic PD traits were negatively associated with the disconnection and rejection domain. This finding could be related to the idea that people with this PD tend to believe that their personal relationships are more profound and intimate than they actually are (DSM-IV-TR, 2000) and to these individuals’ perception that they are charming and deserve the attention of others (Beck et al., 2004). Obsessive-compulsive personality disorder traits have been negatively associated with the impaired limits domain, which is congruent with the criteria of the DSM-IV-TR (2000) for this PD: preoccupation with mental and interpersonal control.

Finally, the results of this study indicate that the other-directedness domain is positively associated with the dependent PD traits. This association implies that perpetrators of IPV with dependent PD traits emphasize others’ satisfaction to the detriment of their own needs, a behavior that is in accordance with their submissive behaviors stemming from the fear of abandonment or rejection as described in the DSM-IV-TR (2000). However, our results do not show evidence of a relationship between the impaired autonomy and performance domain and this PD, a relationship that has been found in other studies (Schmidt, 1994).

This study has some limitations. Firstly, we used a self-administered questionnaire for the assessment of the PD traits, instead of a structural interview for personality disorders, which would have provided a more valid assessment of PDs. Self-report inventories have the risk of over or under diagnose PDs (Widiger & Samuel, 2005). Nevertheless, the MCMI is one of the most widely used clinical instruments in research when assessing personality disorders (Craig, 1999). Secondly, we did not assess all PD traits or EMSs because the questionnaires would have been too long, potentially reducing...
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Montalvo & Echeburúa, 2008; Gondolf, 1999; Loinaz, in perpetrators of IPV, including previous studies.

Surrender, and avoidance responses moderate the rela-
tionships among EMSs and PD traits. Future studies should address longitudinal relationships between these variables. Finally, the Schema Therapy model includes relevant hypothesis about the role of other variables such as the responses and strategies used by the individuals to cope with their early mal-adaptive schemas (Young et al., 2003). Future research should examine the way in which compensation, surrender, and avoidance responses moderate the relationships among EMSs and PD traits.

Despite the limitations, this is the first study to examine the role of EMSs in PD traits in a sample of perpetrators of IPV. This study contributes to supporting the proposal that EMSs are involved in numerous dysfunctional personality traits and that EMSs may explain personality pathology (Young, 1999; Young et al., 2003).

Psychological interventions with perpetrators of IPV are a controversial issue. Most programs are based on a mixed of psychoeducational and cognitive behavioral approaches within a gender-based context (e.g., Feder & Wilson, 2005; Tolman & Edleson 1995). In recent years doubts have risen about the efficacy of those treatments regarding violence reduction. For instance, Babcock, Green, and Robie’s (2004) meta-analysis review showed a small effect, while the meta-analysis of Feder and Wilson (2005) showed mixed results. Nevertheless, psychological interventions with perpetrators of IPV are important not only to prevent aggressive behaviors against the partners who have already been victimized, but also because of the possibility that these men will establish new intimate relationships in the future and could behave aggressively again. As Babcock et al. (2004, pp. 1049) suggested “the energies of treatment providers, advocates, and researchers alike may best be directed at ways to improve batterers’ treatment”.

Currently, most treatment programs with this population are based on approaches that do not consider the improvement of personality constructs or relief of personality disorder symptoms. If we consider the high prevalence of clinical traits and possible PDs in perpetrators of IPV, including previous studies (e.g., Hart, Dutton, & Newlove, 1993; Fernández-Montalvo & Echeburúa, 2008; Gondolf, 1999; Loinaz, 2009), and the associations of these PD traits with the EMSs, we can conclude that psychological interventions in this population should include the assessment and modification of EMSs that underlie their behavioral problems, in order to provide a comprehensive intervention. In this regard, some studies have examined the efficacy of Schema Therapy in populations with Borderline PD (Farrell, Shaw, & Webber, 2009; Giesen-Bloo et al., 2006; Nordahl & Nysæter, 2005) and there is a major randomized clinical trial taking place in The Netherlands, with forensic patients with borderline, antisocial, narcissistic, and paranoid PDs, which are some of the most prevalent PDs among perpetrators of IPV. In this clinical trial, the effectiveness of Schema Therapy is being tested with regard to symptoms, violence, recidivism risk, and resocialization. Some early preliminary results indicate that Schema Therapy is a promising treatment for forensic personality disorders individuals (Bernstein, 2010).

Thus, although the results of this study should be taken with caution given the above-mentioned limitations, it seems appropriate to conclude that EMSs could be a factor to consider in future psychological interventions for perpetrators of intimate partner violence.

References


