

Borderline personality disorder and recovery

Vlastimil NESNÍDAL¹, Jan PRASKO^{1,2,3}, Jakub VANEK¹, Marie OCISKOVA¹,
Michaela HOLUBOVA⁴, Krystof KANTOR¹, Klara LATALOVA¹, Kamila MINARIKOVA¹,
Frantisek HODNY¹

1 Department of Psychiatry, Faculty of Medicine and Dentistry, University Palacky Olomouc,
University Hospital, 77520 Olomouc, Czech Republic

2 Institute for Postgraduate Education in Health Care, Prague, Czech Republic

3 Department of Psychology Sciences, Faculty of Social Science and Health Care, Constantine the
Philosopher University in Nitra, Slovak Republic

4 Department of Psychiatry, Regional Hospital in Liberec

Correspondence to: Prof. Jan Prasko, MD, PhD
Department of Psychiatry, University Hospital Olomouc, I. P. Pavlova 6,
775 20 Olomouc, Czech Republic
E-MAIL: praskoan@seznam.cz

Submitted: 2020-06-20 Accepted: 2020-09-02 Published online: 2020-09-10

Key words: **Borderline personality disorder; recovery; management; pharmacotherapy; psychotherapy; therapy; treatment**

Neuroendocrinol Lett 2020;41(6):308-317 PMID: 33714243 NEL410620A03 ©2020 Neuroendocrinology Letters • www.nel.edu

Abstract

Recovery focuses on the broader concept of having a good life with mental health problems than remission. This review aims to deliver up-to-date information on the concept of recovery in borderline personality disorder. A computerized database search was conducted in PubMed and Web of Science sites, using various combinations of keywords for the period between January 1990 and April 2020. According to current findings, a full remission or complete disappearance of symptoms of a borderline personality disorder usually does not occur soon after the initiation of treatment, but recovery is an achievable goal. A precondition for recovery is the patient's responsibility for their health. Apart from psychotherapy and psychosocial rehabilitation, pharmacotherapy can help individuals with BPD improve their quality of life and can provide significant aid on their path to recovery.

INTRODUCTION

Patients with a borderline personality disorder (BPD) face problems with emotional regulation, impulsiveness, instability of mood, feelings of emptiness, behavioural dysregulation, and unbalanced patterns and shifts in their relationships (APA, 2013). BPD disturbs every part of a patients' life (e.g., education, work, relationships with others, or self-care) (Murphy *et al.* 2019).

The diagnosis of BPD is often controversial or inadequate. However, the prevalence of BPD is estimated to be 1.1% of the general population (Ten *et al.* 2016). BPD belongs among the

most common personality disorders in clinical populations. As such, it is identified in up to 10 % of outpatients and 25 % of inpatients (Widiger & Weissman, 1991; Zimmerman *et al.* 2005; Gunderson, 2009). BPD is frequently accompanied by suicidal behaviour and self-harm. Self-harm, such as body cutting, burning, etc., is one of the main reasons for their psychiatric hospitalization (Markham & Trower, 2003; Goodman *et al.* 2017; Sansone *et al.* 2018). BPD leads to low quality of life, low psychosocial functioning, and high societal costs (Higgitt & Fonagy, 1992; Comtois & Carmel, 2016; Fassbinder *et al.* 2018; Murphy

et al. 2019). Experts, who treat these patients, can often feel exhausted and desperate due to the small or seemingly no effect of the treatment (Markham & Trower, 2003; NIMHE, 2003; Skegg, 2005). From all psychiatric hospitalizations, 20 % are BPD patients (Comtois & Carmel, 2016; Slotema et al. 2017; Lewis et al. 2019), 78 % of BPD patients have substance use issues (Kienast et al. 2014; Heath et al. 2018; Parmar & Kaloiya, 2018), and about 79 % of BPD patients attempt suicide at least once in their lives (Gunderson, 1984; Frances et al. 1986; Zanarini et al. 2008; Joyce et al. 2010; Goodman et al. 2017; DeShong & Tucker, 2019; Paris 2019), and 10% eventually take their lives (Cailhol et al. 2017; Kjær et al. 2018; Kuo et al. 2019). Statistics such as these illustrate the severe effects that the presence of BPD can have on an individual, when not treated timely, adequately, or not treated at all.

Concept of recovery in psychiatry

Recovery consists of a sense of self-control, social support, empowerment, support for adaptive coping skills, and a sense of meaningfulness (Jacob, 2015; Lahera et al. 2018). Unlike clinical remission, which is well-defined and can be measured, the concept of recovery encompasses multiple aspects of the patient's life, making it challenging to settle on a definition and to develop reliable assessment criteria. Liberman et al. (2012) described operational criteria for recovery from psychosis that involved remission of symptoms, improved occupational functioning, independent living, and better peer relations. In contrast, Anthony (1993) defined functional recovery as a profoundly individual, exceptional process of changing personal feelings, aims, values, attitudes, skills, and/or roles, within limits given by the disorder. Some clinicians have recommended that functional recovery should only be recognized when symptoms are mild and stable enough so that they do not interfere with social functioning and relationships (Liberman et al. 2002; Liberman, 2008). The essence of recovery is not a specific change of symptoms, but an emphasis on the human functioning, quality of life, and human potential (Roberts & Wolfson, 2004; Corrigan et al. 2014; Jacob, 2015; Bejerholm & Roe, 2018). Generally, the recovery model is a patient's subjective assessment in following areas (Ralph et al. 2002; Corrigan et al. 2012): (a) meaningful and satisfying personal life; (b) freedom to make decisions about one's life goals and treatment; (c) hope for the future; (d) being at peace with yourself; (e) having a valuable sense of integrity, well-being, and self-esteem.

Recovery is not remission

A patient can be viewed as recovered and still meet the diagnostic criteria for the disorder. Approaches to the mental health recovery, such as Wellness Recovery Action Planning (Copeland, 1997), are taken as an alternative to clinical remission models that are commonly focused on the treatment of disease (Deegan, 1996;

Lahera et al. 2018). Five processes can characterize recovery (Tew et al. 2012): (a) Strengthening and regaining control of one's life; (b) Rebuilding positive personal and social identities; (c) Coherence (personal and more general aspects of social inclusion); (d) Hopefulness and optimistic notion about the future; (e) Finding the meaning of one's life.

Because the recovery assessment is subjective, there may be situations where both individuals with quality social life and stable work and those in need of constant care and objectively dependent on others feel recovered. (Slade et al. 2008). For this reason, more objective criteria describing the recovery in psychiatric disorders have been developed (Liberman et al. 2002; Lahera et al. 2018):

- (a) Mild or infrequent symptoms that do not interfere with daily functioning;
- (b) The ability to have a job and work in a competitive work environment at least part-time, or attend school regularly;
- (c) Have adequate family relationships in which occasional family disputes are a normal part of life;
- (d) Building social relationships with at least one friend with whom the patient engages in some form of communication or social recreation at least every two weeks;
- (e) Lead an independent life defined by independence in the area of managing personal finances, self-care, and adequate personal hygiene.

OBJECTIVES OF THE STUDY

This review aimed to map the existing literature on BPD manifestations over time and to explore whether the concept of recovery, which is more and more commonly used in psychotic disorders (schizophrenia, delusional disorder), can be used in patients with a borderline personality disorder as well. Research questions of interest were the following:

- (1) Are features of borderline personality disorder permanent, or are they subjected to significant changes in time?
- (2) Does the concept of recovery make sense in patients with a borderline personality disorder?
- (3) How does the recovery in borderline personality disorder look like?
- (4) Does the recovery occur during and/or after the treatment of borderline personality disorder?
- (5) Which therapeutic strategies help to achieve recovery in patients with a borderline personality disorder?
- (6) What is the patient's responsibility for recovery?

METHOD

The search of narrative review focused on scientific articles published between January 1990 and April 2020 in the PubMed and Web of Science databases.

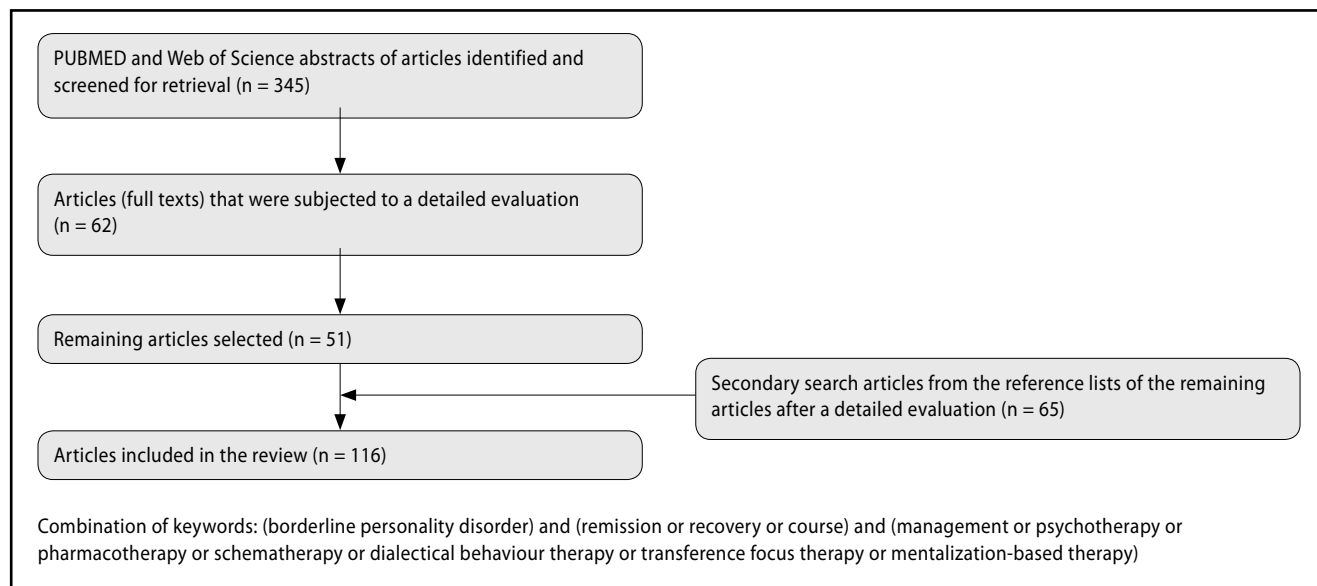


Fig. 1 . Summary of the selection process

The documents were extracted using the keywords “borderline personality disorder”, “recovery”, “management”, “pharmacotherapy”, “psychotherapy”, “therapy” and “treatment” in various combinations. The filters used were: people; published in peer-reviewed journals; the articles could be prospective, retrospective original studies; or review; contributions were published in English. The exclusion criteria were abstracts from conferences, commentaries and dissertations. Three hundred forty-five articles were identified eligible for examination; 62 articles were included according to the selection criteria. After a detailed evaluation of identified articles, 51 were chosen. Based on the selection criteria, we also selected secondary articles from the reference lists of the primary identified documents. There were 65 significant articles, and these were added to the first list to a total of 116 articles. The flowchart summarizes the total number of documents reviewed and the number of those involved in the review process according to PRISMA guidelines (Moher *et al.* 2009) (Figure 1).

RESULTS

The results are organized according to the six main categories: (1) Stability of borderline traits during the time; (2) The concept of recovery in patients with BPD; (3) Clarification of the recovery concept in borderline personality disorder; (4) Recovery and treatment of borderline personality disorder; (5) Therapeutic approaches useful for achieving recovery in BPD; (6) Patient’s responsibility for their recovery.

(1) Stability of borderline traits during the time

Some experts and the general public tend to perceive personality disorders as incurable and permanent

(Adshead, 2001; de Barros & de Pádua Serafim, 2008). However, there has been recent evidence contradicting this outdated reasoning and showing that the symptoms of BPD diminish over time (Zanarini *et al.* 2010). The symptoms of BPD develop most frequently during adolescence, and the disorder is usually diagnosed in early adulthood (Westen *et al.* 1990; Ryan 2005; APA 2013). However, symptoms of BPD diminish earlier than was previously thought. According to Vriend-Bosm & van Megen (2011), up to 88 % of patients diagnosed with BPD by DSM-IV do not meet diagnostic criteria within ten years of diagnosis. All symptoms showed a significant improvement in the follow-up. Recent evidence suggests that the severity of BPD symptoms in treated individuals decreases significantly over time. Investigations from the United Kingdom and the United States showed that less than half of the patients, who initially met the BPD criteria, still meet them six years later (Davidson *et al.* 2010) and the number fell to 26 % after ten years (Zanarini *et al.* 2003).

The problems associated with BPD are most pronounced in early adulthood and gradually disappear until they vanish entirely from everyday life (Zanarini *et al.* 2015). The intensity of these problems is also eased due to early treatment. In a study of hospitalized and subsequently discharged BPD patients, up to 70 % of them did not meet the BPD criteria after six years (Zanarini *et al.* 2003). In this group, up to 94 % of patients had no relapse and lived without symptoms. These results are consistent with the results of two other studies on the same subject (Davidson *et al.* 2010; Skodol *et al.* 2005).

In summary, BPD is a treatable disease and occur most frequently during adolescence and gradually disappear in adulthood. Symptoms of BPD may change over time, fortunately mostly in the direction

of recovery. The intensity of symptoms or some of the functional problems are losing original gravitas.

(2) The concept of recovery in patients with BPD

Many patients with a borderline personality disorder do not profit from evidence-based treatments since they frequently do not seek them or do not adhere appropriately to them (Paris, 2012). The National Institute for Health and Care Excellence (NICE 2003) has developed a guideline for the treatment of patients with BPD that refers to the possibility of recovery. This concept has also been used in other mental health care services and has been translated into approaches to the services to patients with personality disorders (NCSMH, 2009). The term 'capabilities framework' has been developed, which is defined as the set of capabilities needed to treat personality disorders (NICE, 2003). It also stresses the importance of developing the skills of the care providers to support clients with personality disorders in the recovery process. However, this procedure does not specify how to understand recovery in the context of personality disorder. At the same time, there is a lack of qualitative research to describe clients' experiences with personality disorders (Castillo, 2003).

According to Zanarini *et al.* (2012), BPD remission has been defined as a state in which a person no longer meets the criteria for a Revised Diagnostic Interview for Borderlines and DSM-III-R or another personality disorder for two years or longer. It is a question whether the condition corresponding to the above definition can be referred to as remission or recovery. Therefore, a global functional score rating of 61 or higher was chosen as a measure of recovery. This score provides a sufficiently good description of the overall outcome of the treatment (i.e. with mild symptoms or difficulties in social, professional or school activity, where the individual generally functions and has at least one meaningful interpersonal relationship). The authors further operationalized this score. In order to increase its reliability and significance, and to reach to this score or higher, the subject usually had to remit from their primary axis II diagnosis, had at least one emotionally maintained relationship with a close friend or life partner, and was able to attend full-time work or school consistently and competently.

The framework of recovery can help to find treatment goals that patients subjectively perceive as meaningful, primarily since full remission or disappearance of symptoms of borderline personality disorder may not occur within an acceptable time.

In summary, the recovery process needs to consider the patient's subjective view of their difficulties and to function in the individual areas of life in which recovery is closely monitored. However, patients may differ in their perception of what problem is for them and what their goals are, both among themselves and in comparison, to the care provider.

(3) Recovery and treatment of borderline personality disorder

Two extensive studies have been published. In the first, several hundred BPD patients, who participated in an outpatient program aimed at stabilizing the condition, were followed for ten years (Skodol *et al.* 2005). About 85 % of BPD patients had a symptom-free period of twelve months or longer. Only 11 % of patients in this group experienced any recurrence of problems. This means that approximately 77 % of BPD patients, who received treatment, became asymptomatic over time. The rate of improvement was highest compared to other types of personality disorders. The second study conducted an open-label follow-up in nearly 300 BPD patients, who were discharged after hospitalization (Zanarini *et al.* 2015). During 16 years, 99 % of participants treated with BPD reached a symptom-free period of 2 years or more. For 78 % this period lasted at least eight years. However, the improvements described by the studies above cannot be viewed as a sign of a complete cure. Results point out that despite many prejudices, the group of patients with BPD is open to treatment and can be treated well. Time and treatment are important factors that can significantly help an individual suffering from this severe disorder.

Two other smaller studies (Katsakou *et al.* 2012; Gillard *et al.* 2015) reported that recovery means alleviation of symptoms such as self-harm, suicidality, depression and anxiety, further self-understanding, self-acceptance, better emotional control, improved relationships, and work performance. They felt that psychotherapy was often overly focused on specific areas, such as self-harm or relationships, and ignored other goals, like the quality of life or well-being. Full remission was considered as a distant goal, but patients felt they could learn how to deal with their difficulties more effectively and make significant progress in their lives through smaller steps. Little relief from the symptoms is not enough and adaptation in life is crucial. The authors concluded that positive personal and broader social relationships are critical factors in facilitating recovery (Gillard *et al.* 2015).

In summary, patients with BPD can profit from treatment. Symptoms-free periods and recovery are, given time and appropriate treatment, achievable and realistic therapeutic goals for many patients with a borderline personality disorder.

(4) Therapeutic approaches useful for achieving recovery in BPD

Treatment should be provided as soon as possible after diagnosis, since individuals suffering from BPD may be severely affected by their problems and symptoms. In the first weeks of treatment, it may be useful to initiate care in an inpatient facility, that has experience and erudition to provide care to patients suffering from BPD and offers a safe environment. The therapy initially focuses on improving the understanding of the

disorder, self-acceptance and reducing symptoms in a supportive environment (Bateman A & Fonagy, 1999; Bartak, 2001).

There is no treatment for BPD that would surely help all patients. As with many other mental disorders, the aim is to reach and prevent the relapse of the disorder and to improve adaptation and quality of life (Katsakou et al. 2012). However, it is possible to stabilize the patient for a long time and to teach them to master coping strategies that allow living in a compensated state (Paris 2011). As many studies show, the long-term treatment is beneficial when adequately selected (Doering et al. 2010; Bartak et al. 2011; Bateman & Fonagy, 2008; Brazier et al. 2006; Davidson et al. 2006; Giesen-Bloo et al. 2006; Clarkin et al. 2007; Lynch et al. 2007; Dickey & Ware 2008; Farrell et al. 2009; Kliem et al. 2010).

Psychotherapy

Several types of psychotherapy have shown efficacy in the treatment of BPD. These therapies include Transference focused therapy (TFP), Dialectical behavioural therapy (DBT), Mentalization-based therapy (MBT), and Schematherapy (ST) (Cristea et al. 2017; Oud et al. 2018). TFP focuses on the treatment of personality disorders, especially BPD and narcissistic, to reduce suicidal behaviour and improve self-control (Clarkin et al. 2007; Kivity et al. 2019); DBT is focused on the treatment of symptoms, is more structured, and during therapy, the patient learns by practising selected skills and using them in everyday life (Lynch et al. 2007; Kliem et al. 2010; Bernheim et al. 2019; DeCou et al. 2019); MBT is based on mentalization, promotes the ability to reflect the mental state, and consequently reduces unwanted symptoms and manifestations (Laurensen et al. 2014; Bateman & Fonagy, 2019; Juul et al. 2019). In ST, the patient learns to change their negative core beliefs and maladaptive strategies by understanding and working with schemes and modes (Giesen-Bloo et al. 2006; Tan et al. 2018).

The problem of generalization of the evidence-based results is that most psychotherapy investigations in patients with BPD exclude patients, who have comorbidities, such as substance abuse, severe eating disorders, and narcissistic and antisocial personality disorders, regardless of high success rates with BPD patients (Fassbinder et al. 2018). These specific groups typically continue lacking specific treatments, undergo frequent and prolonged hospitalizations, and have a low quality of life and psychosocial functioning. Clinical experience suggests that the majority of BPD patients with severe co-morbidity mentioned above only achieve frail remission, but most of them can stabilize more or less in life over time. The concept of recovery is, therefore, adequate here.

Pharmacotherapy

While specialized psychotherapy is considered first-line treatment for BPD and no medication has

been approved for BPD, psychopharmaceuticals are commonly administered. Various types of medication are used in BPD, and polypharmacy is prominent. The use of antidepressants in patients with BPD has been declining slightly, while the prescription of mood stabilizers and second-generation antipsychotics has been growing. Prescription rates for quetiapine, the most frequently used medication in BPD (22%), increased over time (Bridler et al. 2016). Since there is an overall agreement that little evidence of the effectiveness of psychopharmaceuticals exists for BPD, psychiatrists are either recommended to almost absolutely avoid pharmacotherapy in BPD patients or use a 'targeted' style, using the specific drug for the defined symptoms of BPD (Stoffers & Lieb 2015). This has formed some confusion in clinical practice and contributed to a diversity of prescribing practices for BPD.

Four types of medications showed efficacy in BPD – mood stabilizers, antidepressants, antipsychotics, and omega-3-unsaturated fatty acids (Paris, 2011; Stoffers & Lieb, 2015; Bozzatello et al. 2018). Mood stabilizers have been at least partially effective in anger and impulsivity problems (Hollander et al. 2005; Mercer et al. 2009; Reich et al. 2009; Starcevic & Janca, 2018; Romanowicz et al. 2019). However, some studies found insufficient effect (Frankenburg & Zanarini, 2002; Moen et al. 2012; Crawford et al. 2018). Antipsychotics were partially effective in reducing the intensity of transient psychotic and quasi-psychotic symptoms and cognitive disorders (Nickel et al. 2006; Bozzatello et al. 2017; O'Leary et al. 2018; Slotema et al. 2018). If depressive or anxiety spectrum disorders occur, antidepressants or anxiolytics may be indicated (Pascual et al. 2010; Romanowicz et al. 2019).

There was evidence of extensive use of medication in borderline personality disorder patients: benzodiazepines/hypnotics, antipsychotics, mood stabilizers and antidepressants, mostly with polypharmacy (Bridler et al. 2015; Paolini et al. 2017; Riffer et al. 2019). The most common reason for polypharmacy was the lack of symptom relief. Nevertheless, medication leads to stabilization of patients, not their full remission. An extended duration of hospitalization was associated with the administration of antipsychotic and/or antidepressant medication, while a shorter hospitalization was accompanying the prescription of a mood stabilizer (Paolini et al. 2017). The positive correlation between the number of drugs and the efficacy of the treatment program, as well as the lack of a relationship between the number of drugs and co-morbidity, opposes the frequently discussed iatrogenic effect of polypharmacy in BPD (Riffer et al. 2019).

Skills development and psychoeducation

An excellent benefit for BPD patients is learning the skills and mechanisms to help them manage both symptoms and problems they often cannot cope with (Armbrust & Ehrig, 2016; Cavelti et al. 2019; Mitchell

et al. 2019). These are stress-reducing techniques, adaptation strategies to stressful situations, emotional regulation, ability to reduce internal and external aggressiveness, and reduction of suicidal behaviour (Mitchell et al. 2019). Educating the patient and family about the prognosis and treatment approaches is essential for a better understanding of the disorder. It does not only improve the attitude of the patient but also the attitude of the family towards treatment. Patients with BPD, who understand their disorder, are better prepared to recognize problems and symptoms and it allows them to prepare and manage problems before the situation escalates, and the disease relapses fully (Jacob et al. 2018; Klein et al. 2018).

Further treatment of comorbid disorders

Co-morbid disorders in patients with BPD often occur and further complicate their life. The most common are anxiety disorders, substance abuse disorders, mood disorders, and other personality disorders (Zanarini et al. 1998a; Zanarini et al. 1998b). These comorbid disorders should be treated concomitantly with BPD. Initial treatment should be intensive, especially to cope with comorbid conditions, often in an inpatient facility, and then after discharge, outpatient care should follow (APA, 2001).

Treatment of BPD patients is possible and has better outcomes when started as soon as possible from the diagnosis of the disease. The disease is often complicated by comorbid disorders such as addiction, depression, anxiety and other possible personality disorders. There is no treatment to cure, but it is possible to stabilize the patient in the long term and work on the symptoms of the disease that are burdensome for him. Primary treatment consists of psychotherapy. There are various modalities of psychotherapy treatment of BPD. Psychiatric medication is commonly prescribed to patients, although the effect on the progression and prognosis of BPD is often not substantiated. Psychiatric medication is therefore used more for comorbid conditions, most often anxiety, depressive and for impulsivity reduction. It is important to educate the patient and his family and create an environment of mutual understanding, help and acceptance. It is advisable to practice with the patient itself the adaptive abilities to reduce the tension experienced by the patient.

(5) Patient's responsibility for their recovery

There is no known treatment method to cure BPD entirely. Regardless of the length of the asymptomatic period, relapse is always possible (Adshead, 2001). Therefore, maintaining the asymptomatic period is the best achievable goal for an individual with BPD. However, recovery can be long-term and sometimes permanent. The condition is that the patient follows his treatment program, not only for BPD, but also for other co-morbid disorders, and monitors his progress and possible signs of relapse (APA, 2006).

Clinical improvement is a remarkable achievement and an obvious goal for healthcare, but it remains unclear to what extent these achievements reflect the demands of patients themselves. Clinical improvement or risk reduction does not always coincide with patients' assessment and expectations about meaningful progress in life (Slade & Hayward, 2007; Slade et al. 2008). Recent findings suggest that the recovery objectives can be perceived differently by clients and healthcare providers. (Turton et al. 2011).

Overall, the patient's responsibility for their recovery is critical in improving their mental condition. Therefore, their positive approaches to treatment may deteriorate after finding that it is a long and usually strenuous journey. However, if the patient enters and undergoes the therapy, the symptoms of borderline psychopathology can be gradually managed and eventually eliminated. It is often a longer-term process of self-awareness and self-observation of their actions, feelings, and overall approach to the outside world. Responsibility for the recovery process is one of the right and positive signs for change and improvement in the lives of patients with BPD. Taking responsibility is also motivation to continue treatment and allows patients to take an active part in treatment.

DISCUSSION

The concept of recovery explores the possibility of treatment outcomes, standing between temporary relief and full remission, and at the same time differing from both of these extremes of therapeutic outcome. Recovery is a subjective perception that cannot be considered as a complete cure. Full remission of the disorder, which is often considered to be the best treatment outcome, and likely to have better long-term outcomes in improving the patient's quality of life, is not always achievable for every patient. In these conditions, recovery can be viewed as an essential goal for both the patient and the therapist. Earlier adjustment to treatment results in a positive response from the patient to treatment, enhancing patient cooperation and confidence, a better understanding of their condition, and motivate them to continue treatment. Criteria for recovery in this disorder cannot be formulated separately from understanding the subjective experience of the patients themselves (Balaratnasingam & Janca, 2020).

The recovery should be the minimum goal in treating a patient. It leads to subjectively better life experience and at the same time to an objective alleviation of the symptoms accompanying the mental disorder. However, patients may differ in their perception of what is a problem for them and what their goals are, both among themselves and with the care provider. Allowing the patient to take responsibility for their treatment can increase their motivation to continue the treatment by supporting their active role in the treatment. The remission of the disorder is still the ideal

goal, but this condition may require more time, and a less distant goal can be more motivating than a distant and uncertain one.

Research suggests that BPD patients are numerous in the population and account for a high percentage of hospitalized patients in psychiatric wards. The symptoms of the disorder gradually diminish over the years. Patients can, therefore, benefit more likely from a faster condition adjustment that would reduce the adverse effects often endangering the patient's life, especially situations that lead to self-harm and suicidal behaviours.

Considering the treatment approaches, specific psychotherapies are showing to be effective. On the other hand, while some drugs, especially antipsychotics and mood stabilizers, showed limited effectivity on specific symptoms of BPD, their side effects may hamper their therapeutic benefits. Balancing the advantages and disadvantages of antipsychotic therapy in BPD may sometimes be challenging. Also, we are witnessing the abuse of psychopharmaceuticals for self-harm and suicidal behaviour in clinical practice. In this light, psychotherapy approaches seem safer and generally more effective. In addition to the regular treatment process, training in personal competencies, communication, vocational functioning, and building resilience also needs to be established.

Future research should focus on a more specific selection of patients for each selected path of psychotherapy by researching specific therapeutic processes (Doering *et al.* 2010). It is essential to develop treatment goals in collaboration with the patient and include their priorities and long-term plans. It is also essential to consider which services could be involved in this process and how they can help to meet these goals. These are specialized BPD services within the health and counselling sector, as well as other services focused on co-morbid problems, including eating disorders, drug and alcohol use, assistance to traumatized patients, or social services to help with accommodation and job search.

CONCLUSION

Many patients with BPD cannot be cured entirely, but they can achieve recovery. Recovery presents a process by which a person reaches a state where he/she can live a full and satisfying life even with some disabilities. It is an achievable goal in the treatment of individuals with BPD. The recovery focuses not only on the control of BPD symptoms but also establishing one's own identity, the meaning of life, and improving its quality. It is based on the individual needs of the patient, arranging personal goals and strategies to achieve them, as well as systematic work on the patient's needs in the essential areas of life.

By the time the BPD patient comes into therapy, they want to find a quick solution to their problems.

Therefore, their approach to treatment may deteriorate after finding that this is a long and usually strenuous journey. However, if the patient enters and undergoes the therapy, the symptoms of borderline psychopathology can be gradually managed and eventually eliminated. Stable recovery is an objective that requires maintaining long-term adaptive patterns created in the treatment and being willing to seek help in a crisis. Thus, the patient's assumption of responsibility for their recovery and maintaining their health is required for improvement. Psychotherapy, psychosocial rehabilitation, marginally also pharmacotherapy help people with BPD to improve the quality of their life and provide significant aid on their personal path to recovery.

REFERENCES

- 1 Adsheed G (2001). Murmurs of discontent: treatment and treatability of personality disorder. *Advances in Psychiatric Treatment*. **7**(6): 407–415.
- 2 American Psychiatric Association (2006). *American Psychiatric Association Practice Guidelines for the treatment of psychiatric disorders: compendium 2006*. American Psychiatric Pub.
- 3 American Psychiatric Association (2013). *Diagnostic and statistical manual of mental disorders (DSM-5)*. American Psychiatric Pub.
- 4 American Psychiatric Association (2001). *Practice guideline for the treatment of patients with borderline personality disorder*. American Psychiatric Pub.
- 5 Anthony WA (1993). Recovery from mental illness: the guiding vision of the mental health service system in the 1990s. *Psychosoc Rehabil J*. **16**: 11.
- 6 Armbrust M & Ehrig C (2016). Skills training für Patienten mit Borderline-Störung. *PPmP-Psychotherapie• Psychosomatik• Medizinische Psychologie*. **66**(07): 283–98.
- 7 Balaratnasingam S & Janca A (2020). Recovery in borderline personality disorder: time for optimism and focussed treatment strategies. *Curr Opin Psychiatry*. **33**(1): 57–61.
- 8 Bartak A, Andrea H, Spreeuwenberg MD, Ziegler UM, Dekker J, Rossum BV, Hamers EF, Scholte W, Aerts J, Busschbach JJ, Verheul R (2011). Effectiveness of outpatient, day hospital, and inpatient psychotherapeutic treatment for patients with cluster B personality disorders. *Psychotherapy and Psychosomatics*. **80**(1): 28–38.
- 9 Bateman A & Fonagy P (2008). 8-year follow-up of patients treated for borderline personality disorder: mentalization-based treatment versus treatment as usual. *American Journal of Psychiatry*. **165**(5): 631–638.
- 10 Bateman A & Fonagy P (2019). A randomized controlled trial of a mentalization-based intervention (MBT-FACTS) for families of people with borderline personality disorder. *Personal Disord*. **10**(1): 70–79.
- 11 Bateman A & Fonagy P (1999). Effectiveness of partial hospitalization in the treatment of borderline personality disorder: a randomized controlled trial. *American Journal of Psychiatry*. **156**(10): 1563–1569.
- 12 Bateman A & Fonagy P (2009). Randomized controlled trial of outpatient mentalization-based treatment versus structured clinical management for borderline personality disorder. *American Journal of Psychiatry*. **166**(12): 1355–1364.
- 13 Bejerholm U & Roe D (2018). Personal recovery within positive psychiatry. *Nord J Psychiatry*. **72**(6): 420–430.
- 14 Bernheim D, Gander M, Keller F., Becker M, Lischke A, Mentel R, Freyberger HJ, Buchheim A. (2019). The role of attachment characteristics in dialectical behavior therapy for patients with borderline personality disorder. *Clin Psychol Psychother*. **26**(3): 339–349.

- 15 Bozzatello P, Rocca P, Bellino S (2018). Combination of omega-3 fatty acids and valproic acid in treatment of borderline personality disorder: a follow-up study. *Clinical Drug Investigation*. **38**(4): 367–372.
- 16 Bozzatello P, Rocca P, Uscinska M, Bellino S (2017). Efficacy and tolerability of aripiprazole compared with olanzapine in borderline personality disorder: an open-label randomized controlled trial. *CNS Drugs*. **31**(9): 809–819.
- 17 Brazier J, Tumur I, Holmes M, Ferriter M, Parry G, Dent-Brown K, Paisley S (2006). Psychological therapies including dialectical behaviour therapy for borderline personality disorder: a systematic review and preliminary economic evaluation. *Health Technology Assessment*. **10**(35).
- 18 Bridler R, Häberle A, Müller ST, Cattapan K, Grohmann R, Toto S, Kasper S, Greil W (2015). Psychopharmacological treatment of 2195 in-patients with borderline personality disorder: A comparison with other psychiatric disorders. *Eur Neuropsychopharmacol*. **25**(6): 763–772.
- 19 Cailhol L, Pelletier É, Rochette L, Laporte L, David P, Villeneuve É, Paris J, Lesage A (2017). Prevalence, mortality, and health care use among patients with cluster B personality disorders clinically diagnosed in Quebec: a provincial cohort study, 2001–2012. *The Canadian Journal of Psychiatry* **62**(5): 336–342.
- 20 Castillo H (2003). *Personality Disorder: Temperament or Trauma? An Account of an Emancipatory Research Study Carried Out by Service Users Diagnosed with Personality Disorder*. Jessica Kingsley Publishers.
- 21 Cavelti M, Corbisiero S, Bitto H, Moerstedt B, Newark P, Faschina S, Chanan A, Moggi F, Stieglitz RD (2019). A comparison of self-reported emotional regulation skills in adults with attention-deficit/hyperactivity disorder and borderline personality disorder. *Journal of Attention Disorders*. **23**(12): 1396–1406.
- 22 Clarkin JF, Levy KN, Lenzenweger MF, Kernberg OF (2007). Evaluating three treatments for borderline personality disorder: A multiwave study. *American Journal of Psychiatry*. **164**(6): 922–928.
- 23 Comtois KA & Carmel A (2016). Borderline personality disorder and high utilization of inpatient psychiatric hospitalization: concordance between research and clinical diagnosis. *The Journal of Behavioral Health Services & Research*. **43**(2): 272–280.
- 24 Copeland ME (1997). *Wellness Recovery Action Plan*. Dummerston, VT: Peach Press.
- 25 Corrigan PW, Angell B, Davidson L, Marcus SC, Salzer MS, Kottsieper P, Larson JE, Mahoney CA, O'Connell MJ, Stanhope V (2012). From adherence to self-determination: evolution of a treatment paradigm for people with serious mental illnesses. *Psychiatr Serv*. **63**(2): 169–173.
- 26 Corrigan PW, Rüschen N, Ben-Zeev D, Sher T (2014). The rational patient and beyond: implications for treatment adherence in people with psychiatric disabilities. *Rehabil Psychol*. **59**(1): 85–98.
- 27 Crawford MJ, Sanatinia R, Barrett B, Cunningham G, Dale O, Ganguli P, Lawrence-Smith G, Leeson V, Lemonsky F, Lykomi-trou G, Montgomery AA (2018). The clinical effectiveness and cost-effectiveness of lamotrigine in borderline personality disorder: a randomized placebo-controlled trial. *American Journal of Psychiatry*. **175**(8): 756–764.
- 28 Cristea IA, Gentili C, Cotet CD, Palomba D, Barbui C, Cuijpers P (2017). Efficacy of psychotherapies for borderline personality disorder: a systematic review and meta-analysis. *JAMA Psychiatry*. **74**(4): 319–328.
- 29 Davidson KM, Norrie J, Tyrer P, Gumley A, Tata P, Murray H, Palmer S (2006). The effectiveness of cognitive behavior therapy for borderline personality disorder: results from the borderline personality disorder study of cognitive therapy (BOSSOT) trial. *Journal of Personality Disorders*. **20**(5): 450–465.
- 30 Davidson KM, Tyrer P, Norrie J, Palmer SJ, Tyrer H (2010). Cognitive therapy v. usual treatment for borderline personality disorder: prospective 6-year follow-up. *The British Journal of Psychiatry*. **197**(6): 456–462.
- 31 de Barros DM & de Pádua Serafim A (2008). Association between personality disorder and violent behavior pattern. *Forensic Sci Int*. **179**(1): 19–22.
- 32 DeCou CR, Comtois KA, Landes SJ (2019). Dialectical Behavior Therapy Is Effective for the Treatment of Suicidal Behavior: A Meta-Analysis. *Behav Ther*. **50**(1): 60–72.
- 33 Deegan P (1996). Recovery as a journey of the heart. *Psychiatric Rehabilitation Journal*. **19**(3): 91.
- 34 DeShong HL & Tucker RP (2019). Borderline personality disorder traits and suicide risk: The mediating role of insomnia and nightmares. *Journal of Affective Disorders*. **244**: 85–91.
- 35 Dickey B & Ware NC (2008). Therapeutic communities and mental health system reform. *Psychiatric Rehabilitation Journal*. **32**(2): 105.
- 36 Doering S, Hörz S, Rentrop M, Fischer-Kern M, Schuster P, Benecke C, Buchheim A, Martius P, Buchheim P (2010). Transference-focused psychotherapy v. treatment by community psychotherapists for borderline personality disorder: randomised controlled trial. *The British Journal of Psychiatry*. **196**(5): 389–395.
- 37 Farrell JM, Shaw IA, Webber MA (2009). A schema-focused approach to group psychotherapy for outpatients with borderline personality disorder: a randomized controlled trial. *Journal of Behavior Therapy and Experimental Psychiatry*. **40**(2): 317–328.
- 38 Fassbinder E, Assmann N, Schaich A, Heinecke K, Wagner T, Sipsos V, Jauch-Chara K, Hüppe M, Arntz A, Schweiger U (2018). PRO*BPD: effectiveness of outpatient treatment programs for borderline personality disorder: a comparison of Schema therapy and dialectical behavior therapy: study protocol for a randomized trial. *BMC Psychiatry*. **18**(1): 341.
- 39 Frances A, Fyer M, Clarkin J (1986). Personality and suicide. *Annals of the New York Academy of Sciences*. **487**(1): 281–295.
- 40 Frankenburg FR & Zanarini MC (2002). Divalproex sodium treatment of women with borderline personality disorder and bipolar II disorder: a double-blind placebo-controlled pilot study. *The Journal of Clinical Psychiatry*. **63**(5): 442–446.
- 41 Giesen-Bloo J, Van Dyck R, Spinhoven P, Van Tilburg W, Dirksen C, van Asselt T, Kremers I, Nadort M, Arntz A (2006). Outpatient psychotherapy for borderline personality disorder: randomized trial of schema-focused therapy vs transference-focused psychotherapy. *Archives of General Psychiatry*. **63**(6): 649–658.
- 42 Gillard S, Turner K, Neffgen M (2015). Understanding recovery in the context of lived experience of personality disorders: a collaborative, qualitative research study. *BMC Psychiatry*. **15**(1): 183.
- 43 Goodman M, Tomas IA, Temes CM, Fitzmaurice GM, Aguirre BA, Zanarini MC (2017). Suicide attempts and self-injurious behaviours in adolescent and adult patients with borderline personality disorder. *Personality and Mental Health*. **11**(3): 157–163.
- 44 Gunderson JG (1984). *Borderline Personality Disorder*. SUNY Press.
- 45 Gunderson JG (2009). Borderline personality disorder: ontogeny of a diagnosis. *Am J Psychiatry*. **166**: 530–539.
- 46 Heath LM, Laporte L, Paris J, Hamdullahpur K, Gill KJ (2018). Substance misuse is associated with increased psychiatric severity among treatment-seeking individuals with borderline personality disorder. *Journal of Personality Disorders*. **32**(5): 694–708.
- 47 Higgitt A & Fonagy P (1992). Psychotherapy in borderline and narcissistic personality disorder. *The British Journal of Psychiatry*. **161**(1): 23–43.
- 48 Hollander E, Swann AC, Coccaro EF, Jiang P, Smith TB (2005). Impact of trait impulsivity and state aggression on divalproex versus placebo response in borderline personality disorder. *American Journal of Psychiatry*. **162**(3): 621–624.
- 49 Jacob GA, Hauer A, Köhne S, Assmann N, Schaich A, Schweiger U, Fassbinder E (2018). A schema therapy-based e-health program for patients with borderline personality disorder (prioivi): naturalistic single-arm observational study. *JMIR Mental Health*. **5**(4): e10983.
- 50 Jacob KS (2015). Recovery model of mental illness: A complementary approach to psychiatric care. *Indian Journal of Psychological Medicine*. **37**(2): 117.

- 51 Joyce PR, Light KJ, Rowe SL, Cloninger CR, Kennedy MA (2010). Self-mutilation and suicide attempts: relationships to bipolar disorder, borderline personality disorder, temperament and character. *Australian and New Zealand Journal of Psychiatry*. **44**(3): 250–257.
- 52 Juul S, Lunn S, Poulsen S, Sørensen P, Salimi M, Jakobsen JC, Bateman A, Simonsen S (2019). Short-term versus long-term mentalization-based therapy for outpatients with subthreshold or diagnosed borderline personality disorder: a protocol for a randomized clinical trial. *Trials*. **20**(1): 196.
- 53 Katsakou C, Marougka S, Barnicot K, Savill M, White H, Lockwood K, Priebe S (2012). Recovery in borderline personality disorder (BPD): a qualitative study of service users' perspectives. *PLoS One*. **7**(5).
- 54 Kienast T, Stoffers J, Bempohl F, Lieb K (2014). Borderline personality disorder and comorbid addiction: epidemiology and treatment. *Deutsches Ärzteblatt International*. **111**(16): 280.
- 55 Kivity Y, Levy KN, Wasserman RH, Beeney JE, Meehan KB, Clarkin JF (2019). Conformity to prototypical therapeutic principles and its relation with change in reflective functioning in three treatments for borderline personality disorder. *J Consult Clin Psychol*. **87**(11): 975–988.
- 56 Kjær JNR, Biskin R, Vestergaard C, Munk-J Rgensen P (2018). All-cause mortality of hospital-treated borderline personality disorder: a nationwide cohort study. *Journal of Personality Disorders*. 1-3. doi: 10.1521/pedi_2018_32_403.
- 57 Klein JP, Hauer A, Berger T, Fassbinder E, Schweiger U, Jacob G (2018). Protocol for the REVISIT-BPD Trial, a Randomized Controlled Trial Testing the Effectiveness of an Internet-Based Self-Management Intervention in the Treatment of Borderline Personality Disorder (BPD). *Frontiers in Psychiatry*. **9**: 439.
- 58 Kliem S, Kröger C, Kosfelder J (2010). Dialectical behavior therapy for borderline personality disorder: a meta-analysis using mixed-effects modeling. *Journal of Consulting and Clinical Psychology*. **78**(6): 936.
- 59 Kuo CJ, Chen WY, Tsai SY, Chen PH, Ko KT, Chen CC (2019). Excessive mortality and causes of death among patients with personality disorder with comorbid psychiatric disorders. *Social Psychiatry and Psychiatric Epidemiology*. **54**(1): 121–130.
- 60 Lahera G, Gálvez JL, Sánchez P, Martínez-Roig M, Pérez-Fuster JV, García-Portilla P, Herrera B, Roca M (2018). Functional recovery in patients with schizophrenia: recommendations from a panel of experts. *BMC Psychiatry*. **18**(1): 176.
- 61 Laurensen EM, Smits ML, Bales DL, Feenstra DJ, Eeren HV, Noom MJ, Köster MA, Lucas Z, Timman R, Dekker JJ, Luyten P, Busschbach JJ, Verheul R (2014). Day hospital Mentalization-based treatment versus intensive outpatient Mentalization-based treatment for patients with severe borderline personality disorder: protocol of a multicentre randomized clinical trial. *BMC Psychiatry*. **14**: 301.
- 62 Lewis KL, Fanaian M, Kotze B, Grenyer BF (2019). Mental health presentations to acute psychiatric services: 3-year study of prevalence and readmission risk for personality disorders compared with psychotic, affective, substance or other disorders. *BJPsych*. **5**(1). e1. doi: 10.1192/bjo.2018.72.
- 63 Liberman RP, Kopelowicz A, Ventura J, Gutkind D (2002). Operational criteria and factors related to recovery from schizophrenia. *International Review of Psychiatry*. **14**(4): 256–272.
- 64 Liberman RP (2008). Recovery from disability. *Man. Psychiatr Rehabil*. Washington: APA.
- 65 Liberman RP (2012). Recovery from schizophrenia: form follows functioning. *World Psychiatry*. **11**: 161–162.
- 66 Lynch TR, Trost WT, Salsman N, Linehan MM (2007). Dialectical behavior therapy for borderline personality disorder. *Annu Rev Clin Psychol*. **3**: 181–205.
- 67 Markham D & Trower P (2003). The effects of the psychiatric label 'borderline personality disorder' on nursing staff's perceptions and causal attributions for challenging behaviours. *British Journal of Clinical Psychology*. **42**(3): 243–256.
- 68 Mercer D, Douglass AB, Links PS (2009). Meta-analyses of mood stabilizers, antidepressants and antipsychotics in the treatment of borderline personality disorder: effectiveness for depression and anger symptoms. *Journal of Personality Disorders*. **23**(2): 156–174.
- 69 Mitchell R, Roberts R, Bartsch D, Sullivan T (2019). Changes in mindfulness facets in a dialectical behaviour therapy skills training group program for borderline personality disorder. *Journal of Clinical Psychology*. **75**(6): 958–969.
- 70 Moen R, Freitag M, Miller M, Lee S, Romine A, Song S, Adityanjee A, Schulz SC (2012). Efficacy of extended-release divalproex combined with "condensed" dialectical behavior therapy for individuals with borderline personality disorder. *Ann Clin Psychiatry*. **24**(4): 255–260.
- 71 Murphy A, Bourke J, Flynn D, Kells M, Joyce M (2019). A cost-effectiveness analysis of dialectical behaviour therapy for treating individuals with borderline personality disorder in the community. *Ir J Med Sci*, doi: 10.1007/s11845-019-02091-8.
- 72 National Collaborating Centre for Mental Health (2009). Borderline personality disorder: recognition and management. London: Department of Health.
- 73 National Institute for Mental Health in England (2003). Breaking the cycle of rejection: The personality disorder capabilities framework. Policy implementation guidance for the development of services for people with personality disorder.
- 74 Nickel MK, Muehlbacher M, Nickel C, Kettler C, Gil FP, Bachler E, Buschmann W, Rother N, Fartacek R, Egger C, Anvar J (2006). Aripiprazole in the treatment of patients with borderline personality disorder: a double-blind, placebo-controlled study. *American Journal of Psychiatry*. **163**(5): 833–838.
- 75 NIMHE (2003). Personality disorder: no longer a diagnosis of exclusion. United Kingdom: Department of Health, National Institute for Mental Health in England.
- 76 O'Leary J, Purcell A, Hynes C, Huet J, Romanos M, McWilliams S (2018). Clozapine for the management of suicidal behavior in borderline personality disorder complicated by a cancer diagnosis: a case report and review of the literature. *Journal of Clinical Psychopharmacology*. **38**(6): 642–644.
- 77 Oud M, Arntz A, Hermens ML, Verhoef R, Kendall T (2018). Specialized psychotherapies for adults with borderline personality disorder: A systematic review and meta-analysis. *Aust N Z J Psychiatry*. **52**(10): 949–961.
- 78 Paolini E, Mezzetti FA, Pierri F, Moretti P (2017). Pharmacological treatment of borderline personality disorder: a retrospective observational study at inpatient unit in Italy. *Int J Psychiatry Clin Pract*. **21**(1): 75–79.
- 79 Paris J (2011). Pharmacological treatments for personality disorders. *International Review of Psychiatry*. **23**(3): 303–309.
- 80 Paris J (2019). Suicidality in Borderline Personality Disorder. *Medicina (Kaunas)*. **55**(6). pii: E223.
- 81 Paris J (2012). The outcome of borderline personality disorder: Good for most but not all patients. *The American Journal of Psychiatry*. **169**(5): 445–446.
- 82 Parmar A & Kaloiya G (2018). Comorbidity of personality disorder among substance use disorder patients: A narrative review. *Indian Journal of Psychological Medicine*. **40**(6): 517.
- 83 Pascual JC, Martín-Blanco A, Soler J, Ferrer, A, Tiana T, Alvarez E, Pérez V (2010). A naturalistic study of changes in pharmacological prescription for borderline personality disorder in clinical practice: from APA to NICE guidelines. *International Clinical Psychopharmacology*. **25**(6): 349–355.
- 84 Ralph RO, Lambert D, Kidder KA (2002). The recovery perspective and evidence-based practice for people with serious mental illness. *Behav Heal Recover Manag Proj*.
- 85 Reich DB, Zanarini MC, Bieri KA (2009). A preliminary study of lamotrigine in the treatment of affective instability in borderline personality disorder. *International Clinical Psychopharmacology*. **24**(5): 270–275.
- 86 Riffer F, Farkas M, Streibl L, Kaiser E (2019). Sprung M. Psychopharmacological treatment of patients with borderline personality disorder: comparing data from routine clinical care with recommended guidelines. *Int J Psychiatry Clin Pract*. **23**(3): 178–188.

- 87 Roberts G & Wolfson P (2004). The rediscovery of recovery: open to all. *Advances in Psychiatric treatment*. **10**(1): 37–48.
- 88 Romanowicz M, Schak KM, Voort JL, Leung JG, Larrabee BR, Palmer BA (2019). Prescribing practices for patients with borderline personality disorder during psychiatric hospitalizations. *Journal of Personality Disorders*. 1–14. doi: 10.1521/pedi_2019_33_405. [Epub ahead of print]
- 89 Ryan RM (2005). The developmental line of autonomy in the etiology, dynamics, and treatment of borderline personality disorders. *Development and Psychopathology*. **17**(4): 987–1006.
- 90 Sansone RA, Sellbom M, Songer DA (2018). Borderline personality disorder and mental health care utilization: The role of self-harm. *Personality Disorders: Theory, Research, and Treatment*. **9**(2): 188.
- 91 Skegg K (2005). Self-harm. *The Lancet*. **366**(9495): 1471–1483.
- 92 Skodol AE, Gunderson JG, Shea MT, McGlashan TH, Morey LC, Sanislow CA, Bender DS, Grilo CM, Zanarini MC, Yen S, Pagano ME (2005). The collaborative longitudinal personality disorders study (CLPS): Overview and implications. *Journal of Personality Disorders*. **19**(5): 487–504.
- 93 Slade M & Hayward M (2007). Recovery, psychosis and psychiatry: research is better than rhetoric. *Acta Psychiatrica Scandinavica*. **116**(2): 81.
- 94 Slade M, Amering M, Oades L. (2008). Recovery: an international perspective. *Epidemiology and Psychiatric Sciences*. **17**(2): 128–137.
- 95 Slotema CW, Blom JD, Niemantsverdriet M., Sommer I.E. (2018). Auditory verbal hallucinations in borderline personality disorder and the efficacy of antipsychotics: a systematic review. *Frontiers in Psychiatry*. **9**: 347.
- 96 Slotema CW, Niemantsverdriet MB, Blom JD, van der Gaag M, Hoek HW, Sommer IE (2017). Suicidality and hospitalisation in patients with borderline personality disorder who experience auditory verbal hallucinations. *European Psychiatry*. **41**: 47–52.
- 97 Starcevic V & Janca A (2018). Pharmacotherapy of borderline personality disorder: replacing confusion with prudent pragmatism. *Current Opinion in Psychiatry*. **31**(1): 69–73.
- 98 Stoffers JM & Lieb K (2015). Pharmacotherapy for borderline personality disorder—current evidence and recent trends. *Current Psychiatry Reports*. **17**(1): 534.
- 99 Tan YM, Lee CW, Averbek LE, Brand-de Wilde O, Farrell J, Fassbinder E, Jacob GA, Martius D, Wastiaux S, Zarbock G, Arntz A (2018). Schema therapy for borderline personality disorder: A qualitative study of patients' perceptions. *PLoS One*. **13**(11), e0206039.
- 100 Ten Have M, Verheul R, Kaasenbrood A, van Dorsselaer S, Tuithof M, Kleinjan M, de Graaf R (2016). Prevalence rates of borderline personality disorder symptoms: a study based on the Netherlands mental health survey and incidence Study-2. *BMC Psychiatry*. **16**: 249.
- 101 Tew J, Ramon S, Slade M, Bird V, Melton J, Le Boutillier C (2012). Social factors and recovery from mental health difficulties: a review of the evidence. *The British Journal of Social Work*. **42**(3): 443–460.
- 102 Turton P, Demetriou A, Boland W, Gillard S, Kavuma M, Mezey G, Mountford V, Turner K, White S, Zadeh E, Wright C (2011). One size fits all: or horses for courses? Recovery-based care in specialist mental health services. *Social Psychiatry and Psychiatric Epidemiology*. **46**(2): 127–136.
- 103 Vriend-Bosma SA (2011). The course of borderline personality disorder within adults. A literature review. *Tijdschrift Voor Psychiatrie*. **53**(1): 27–36.
- 104 Westen D, Ludolph P, Misle B, Ruffins S, Block J (1990). Physical and sexual abuse in adolescent girls with borderline personality disorder. *American Journal of Orthopsychiatry*. **60**(1): 55–66.
- 105 Widiger TA & Weissman MM (1991). Epidemiology of borderline personality disorder. *Hosp Commun Psychiatr*. **42**: 1015–1021.
- 106 Zanarini MC, Frankenburg FR, Dubo ED, Sickel AE, Trikha A, Levin A, Reynolds V (1998). Axis I comorbidity of borderline personality disorder. *American Journal of Psychiatry*. **155**(12): 1733–1739.
- 107 Zanarini MC, Frankenburg FR, Dubo ED, Sickel AE, Trikha A, Levin A, Reynolds V (1998b). Axis II comorbidity of borderline personality disorder. *Comprehensive Psychiatry*. **39**(5): 296–302.
- 108 Zanarini MC, Frankenburg FR, Hennen J, Silk KR (2003). The longitudinal course of borderline psychopathology: 6-year prospective follow-up of the phenomenology of borderline personality disorder. *American Journal of Psychiatry*. **160**(2): 274–283.
- 109 Zanarini MC, Frankenburg FR, Reich DB, Conkey LC, Fitzmaurice GM (2015). Treatment rates for patients with borderline personality disorder and other personality disorders: a 16-year study. *Psychiatric Services*. **66**(1): 15–20.
- 110 Zanarini MC, Frankenburg FR, Reich, D.B., Fitzmaurice, G., Weinberg, I., Gunderson, J.G. (2008). The 10-year course of physically self-destructive acts reported by borderline patients and axis II comparison subjects. *Acta Psychiatrica Scandinavica*. **117**(3): 177–184.
- 111 Zanarini MC, Frankenburg FR, Reich DB, Fitzmaurice G. (2012). Attainment and stability of sustained symptomatic remission and recovery among patients with borderline personality disorder and axis II comparison subjects: a 16-year prospective follow-up study. *American Journal of Psychiatry*. **169**(5): 476–483.
- 112 Zanarini MC, Frankenburg FR, Reich DB, Fitzmaurice G (2010). Time to attainment of recovery from borderline personality disorder and stability of recovery: A 10-year prospective follow-up study. *American Journal of Psychiatry*. **167**(6): 663–667.
- 113 Zanarini MC, Frankenburg FR, Yong L, Raviola G, Bradford Reich D, Hennen J, Hudson JI, Gunderson JG (2004). Borderline psychopathology in the first-degree relatives of borderline and axis II comparison probands. *J Pers Disord*. **18**(5): 439–447.
- 114 Zanarini MC, Laudate CS, Frankenburg FR, Wedig MM, Fitzmaurice G (2013). Reasons for self-mutilation reported by borderline patients over 16 years of prospective follow-up. *Journal of Personality Disorders*. **27**(6): 783–794.
- 115 Zimmerman M, Rothschild L, Chelminski I (2015). The prevalence of DSM-IV personality disorders in psychiatric outpatients. *Am J Psychiatry*. **162**: 1911–1918.