

# Psychosis in borderline personality disorder:



# How assessment and treatment differs from a psychotic disorder

## Evaluate the tone and timing of hallucinations in suspected BPD, emphasize psychotherapy

**Heather E. Schultz, MD, MPH**  
Clinical Instructor

**Victor Hong, MD**  
Clinical Instructor

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Department of Psychiatry  
University of Michigan  
Ann Arbor, Michigan

### Disclosures

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Psychotic symptoms in patients with borderline personality disorder (BPD) are common, distressing to patients, and challenging to treat. Issues of comorbidities and misdiagnoses in BPD patients further complicate matters and could lead to iatrogenic harm. The dissociation that patients with BPD experience could be confused with psychosis and exacerbate treatment and diagnostic confusion. Furthermore, BPD patients with unstable identity and who are sensitive to rejection could present in a bizarre, disorganized, or agitated manner when under stress.

Although pitfalls occur when managing psychotic symptoms in patients with BPD, there are trends and clues to help clinicians navigate diagnostic and treatment challenges. This article will review the literature, propose how to distinguish psychotic symptoms in BPD from those in primary psychotic disorders such as schizophrenia, and explore reasonable treatment options.

### The scope of the problem

The DSM-5 criteria for BPD states that “during periods of extreme stress, transient paranoid ideation or dissociative symptoms may occur.”<sup>1</sup> The term “borderline” originated from the idea that symptoms bordered on the intersection of neurosis and psychosis.<sup>2</sup> However, psychotic symptoms in BPD are more varied and frequent than what DSM-5 criteria suggests.

The prevalence of psychotic symptoms in patients with BPD has been estimated between 20% to 50%.<sup>3</sup> There also is evidence of frequent auditory and visual hallucinations in patients with BPD, and a recent study using structured psychiatric interviews demonstrated that most BPD patients report at least 1 symptom of psychosis.<sup>4</sup> Considering that psy-



## Psychosis in BPD

### Clinical Point

Antipsychotic dosages used to treat hallucinations in primary psychotic disorder are unlikely to be as effective for a patient with BPD



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Table 1

### Which symptoms most likely fit the diagnosis?

| Borderline personality disorder   | Primary psychotic disorder  |
|---|---|
| Transient, stress-related psychosis                                     | Clear negative symptoms, emotional blunting                                 |
| Auditory hallucinations are predominantly negative and critical in tone | Only delusions present  |
| Presence of dissociative symptoms                                       | Bizarre ideas   |
| Reduction of psychosis over long-term course                            | Prodromal period common prior to onset of psychosis                         |
| Increased psychotic symptoms in response to interpersonal stress        | Psychotic symptoms improve with consistent use of antipsychotic medications |

chiatric comorbidities are the rule rather than the exception in BPD, the presence of psychotic symptoms further complicates the diagnostic picture. Recognizing the symptoms of BPD is essential for understanding the course of the symptoms and predicting response to treatment.<sup>5</sup>

Treatment of BPD is strikingly different than that of a primary psychotic disorder. There is some evidence that low-dosage antipsychotics could ease mood instability and perceptual disturbances in patients with BPD.<sup>6</sup> Antipsychotic dosages used to treat hallucinations and delusions in a primary psychotic disorder are unlikely to be as effective for a patient with BPD, and are associated with significant adverse effects. Furthermore, these adverse effects—such as weight gain, hyperlipidemia, and diabetes—could become new sources of distress. Clinicians also might miss an opportunity to engage a BPD patient in psychotherapy if the focus is on the anticipated effect of a medication. The mainstay treatment of BPD is an evidence-based psychotherapy, such as dialectical behavioral therapy, transference-focused psychotherapy, mentalization-based therapy, or good psychiatric management.<sup>7</sup>

#### CASE

### Hallucinations during times of stress

Ms. K, a 20-year-old single college student, presents to the psychiatric emergency room with worsening mood swings, anxiety, and hallucinations. Her mood swings are brief and intense, lasting minutes to hours. Anxiety often is triggered by feelings of emptiness and fear of abandonment. She describes her-

self as a “social chameleon” and notes that she changes how she behaves depending on who she spends time with.

She often hears the voice of her ex-boyfriend instructing her to kill herself and saying that she is a “terrible person.” Their relationship was intense, with many break-ups and reunions. She also reports feeling disconnected from herself at times as though she is being controlled by an outside entity. To relieve her emotional suffering, she cuts herself superficially. Although she has no family history of psychiatric illness, she fears that she may have schizophrenia.

Ms. K’s outpatient psychiatrist prescribes antipsychotics at escalating dosages over a few months (she now takes olanzapine, 40 mg/d, aripiprazole, 30 mg/d, clonazepam, 3 mg/d, and escitalopram, 30 mg/d), but the hallucinations remain. These symptoms worsen during stressful situations, and she notices that they almost are constant as she studies for final exams, prompting her psychiatrist to discuss a clozapine trial. Ms. K is not in psychotherapy, and recognizes that she does not deal with stress well. Despite her symptoms, she is organized in her thought process, has excellent grooming and hygiene, has many social connections, and performs well in school.

### How does one approach a patient such as Ms. K?

A chief concern of hallucinations, particularly in a young adult at an age when psychotic disorders such as schizophrenia often emerge, can contribute to a diagnos-

tic quandary. What evidence can guide the clinician? There are some key features to consider:

- Her “mood swings” are notable in their intensity and brevity, making a primary mood disorder with psychotic features less likely.

- Hallucinations are present in the absence of a prodromal period of functional decline or negative symptoms, making a primary psychotic disorder less likely.

- She does not have a family history of psychiatric illness, particularly a primary psychotic disorder.

- She maintains social connections, although her relationships are intense and tumultuous.

- Psychotic symptoms have not changed with higher dosages of antipsychotics.

- Complaints of feeling “disconnected from herself” and “empty” are common symptoms of BPD and necessitate further exploration.

- Psychotic symptoms are largely transient and stress-related, with an overwhelmingly negative tone.

- Techniques that individuals with schizophrenia use, such as distraction or trying to tune out voices, are not being employed. Instead, Ms. K attends to the voices and is anxiously focused on them.

- The relationship of her symptoms to interpersonal stress is key.

When evaluating a patient such as Ms. K, it is important to explore both the nature and timing of the psychotic symptoms and any other related psychiatric symptoms. This helps to determine a less ambiguous diagnosis and clearer treatment plan. Understanding the patient’s perspective about the psychotic symptoms also is useful to gauge the patient’s level of distress and her impression of what the symptoms mean.

### Diagnostic considerations

BPD is characterized by a chaotic emotional climate with impulsivity and instability of self-image, affect, and relationships. Most BPD symptoms, including psychosis, often are exacerbated by the perception of abandonment or rejection and other interpersonal stressors.<sup>1</sup> Both BPD and schizo-

Table 2

### Treating psychosis in borderline personality disorder

Evidence is limited for antipsychotics reducing psychotic symptoms

If prescribing antipsychotics, use lower dosages

Avoid using multiple concurrent antipsychotics

Avoid statements that imply psychotic symptoms are “not real”

Emphasize psychotherapy as the treatment of choice and medications as adjunctive

Focus on reducing distress and improving ability to cope (rather than focusing on medications)

phrenia are estimated to affect at least 1% of the general population.<sup>8,9</sup> Patients with BPD frequently meet criteria for comorbid mental illnesses, including major depressive disorder, substance use disorder, posttraumatic stress disorder, anxiety, and eating disorders.<sup>10</sup> Because psychotic symptoms can present in some of these disorders, the context and time course of these symptoms are crucial to consider.

Misdiagnosis is common with BPD, and patients can receive the wrong treatment for years before BPD is considered, likely because of the stigma surrounding the diagnosis.<sup>5</sup> One also must keep in mind that, although rare, a patient can have both BPD and a primary psychotic disorder.<sup>11</sup> Although a patient with schizophrenia could be prone to social isolation because of delusions or paranoia, BPD patients are more apt to experience intense interpersonal relationships driven by the need to avoid abandonment. Manipulation, anger, and neediness in relationships with both peers and health care providers are common—stark contrasts to typical negative symptoms, blunted affect, and a lack of social drive characteristic of schizophrenia.<sup>12</sup>

### Distinguishing between psychosis in BPD and a psychotic disorder

Studies have sought to explore the quality of psychotic symptoms in BPD vs primary psychotic disorders, which can be challeng-

### Clinical Point

Explore the nature and timing of the psychotic symptoms to determine a less ambiguous diagnosis and clearer treatment plan



## Psychosis in BPD

### Clinical Point

**There is no consistent evidence that the quality of auditory hallucinations in BPD vs schizophrenia is different in any meaningful way**

### Related Resources

- Zimmerman M, Chelmski I, Dalrymple K, et al. Principal diagnoses in psychiatric outpatients with borderline personality disorder: implications for screening recommendations. *Ann Clin Psychiatry*. 2017;29(1):54-60.
- National Education Alliance for Borderline Personality Disorder. [www.borderlinepersonalitydisorder.com](http://www.borderlinepersonalitydisorder.com).

### Drug Brand Names

|                        |                        |
|------------------------|------------------------|
| Aripiprazole • Abilify | Escitalopram • Lexapro |
| Clonazepam • Klonopin  | Olanzapine • Zyprexa   |
| Clozapine • Clozaril   |                        |

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ing to differentiate (*Table 1, page 26*). Some have found that transient symptoms, such as non-delusional paranoia, are more prevalent in BPD, and “true” psychotic symptoms that are long-lasting and bizarre are indicative of schizophrenia.<sup>13,14</sup> Also, there is evidence that the lower levels of interpersonal functioning often found in BPD are predictive of psychotic symptoms in that disorder but not in schizophrenia.<sup>15</sup>

Auditory hallucinations in patients with BPD predominantly are negative and critical in tone.<sup>4</sup> However, there is no consistent evidence that the quality of auditory hallucinations in BPD vs schizophrenia is different in any meaningful way.<sup>16</sup> Because of the frequency of dissociative symptoms in BPD, it is likely that clinicians could misinterpret these symptoms to indicate disorganized behavior associated with a primary psychotic disorder. In one study, 50% of individuals with BPD experienced

auditory hallucinations.<sup>11</sup> Differentiating between “internal” or “external” voices did not help to clarify the diagnosis, and paranoid delusions occurred in less than one-third of patients with BPD, but in approximately two-third of those with a diagnosis of schizophrenia.

The McLean Study of Adult Development, a longitudinal study of BPD patients, found that the prevalence of psychotic symptoms diminished over time. It is unclear whether this was due to the spontaneous remission rate of BPD symptoms in general or because of effective treatment.<sup>13</sup>

Psychotic symptoms in BPD seem to react to stress and increase in intensity when patients are in crisis.<sup>17</sup> Nonetheless, because of the prevalence of psychosis in BPD patients and the distress it causes, clinicians should be cautioned against using terms that imply that the symptoms are not “true” or “real.”<sup>3</sup>

### Treatment recommendations

When considering pharmacologic management of psychotic symptoms in BPD, aim to limit antipsychotic medications to low dosages because of adverse effects and the limited evidence that escalating dosages—and especially using >1 antipsychotic concurrently—are more effective.<sup>18</sup> Educate patients that in BPD medications are, at best, considered adjunctive treatments. Blaming psychotic symptoms on a purely biological process in BPD, not only is harmful because medications are unlikely to significantly or consistently help, but also because they can undermine patient autonomy and reinforce

## Bottom Line

Psychotic symptoms in patients with borderline personality disorder (BPD) could look similar to those in primary psychotic disorders. Factors suggesting BPD include a pattern of worsening psychotic symptoms during stress, long-term symptom instability, lack of delusions, presence of dissociation, and nonresponse to antipsychotics. Although low-dosage antipsychotics could provide some relief of psychotic symptoms in a patient with BPD, they often are not consistently effective and frequently lead to adverse effects. Emphasize evidence-based psychotherapies.

the need for an outside entity (ie, medication) to fix their problems.

When treatment is ineffective and symptoms do not improve, a patient with BPD likely will experience mounting distress. This, in turn, could exacerbate impulsive, suicidal, and self-injurious behaviors. Emphasize psychotherapy, particularly for those whose psychotic symptoms are transient, stress-related, and present during acute crises (*Table 2, page 27*). With evidence-based psychotherapy, BPD patients can become active participants in treatment, coupling developing insight with concrete skills and teachable principles. This leads to increased interpersonal effectiveness and resilience during times of stress. Challenging the patient's psychotic symptoms as false or "made up" rarely is helpful and usually harmful, leading to the possible severance of the therapeutic alliance.<sup>3</sup>

#### References

1. Diagnostic and statistical manual of mental disorders, 5th ed. Washington, DC: American Psychiatric Association; 2013.
2. Stern A. Borderline group of neuroses. *The Psychoanalytic Quarterly*. 1938;7:467-489.
3. Schroeder K, Fisher HL, Schäfer I, et al. Psychotic symptoms in patients with borderline personality disorder: prevalence and clinical management. *Curr Opin Psychiatry*. 2013;26(1):113-119.
4. Pearse LJ, Dibben C, Ziauddeen H, et al. A study of psychotic symptoms in borderline personality disorder. *J Nerv Ment Dis*. 2014;202(5):368-371.
5. Paris J. Why psychiatrists are reluctant to diagnose: borderline personality disorder. *Psychiatry (Edmont)*. 2007;4(1):35-39.
6. Saunders EF, Silk KR. Personality trait dimensions and the pharmacological treatment of borderline personality disorder. *J Clin Psychopharmacol*. 2009;29(5):461-467.
7. National Education Alliance for Borderline Personality Disorder. Treatments for BPD. <http://www.borderlinepersonalitydisorder.com/what-is-bpd/treating-bpd>. Accessed September 1, 2016.
8. Regier DA, Narrow WE, Rae DS, et al. The de facto US mental and addictive disorders service system. Epidemiologic catchment area prospective 1-year prevalence rates of disorders and services. *Arch Gen Psychiatry*. 1993;50(2):85-94.
9. Lenzenweger MF, Lane MC, Loranger AW, et al. DSM-IV personality disorders in the National Comorbidity Survey Replication. *Biol Psychiatry*. 2007;62(6):553-564.
10. Zanarini MC, Frankenburg FR, Dubo ED, et al. Axis I comorbidity of borderline personality disorder. *Am J Psychiatry*. 1998;155(12):1733-1739.
11. Kingdon DG, Ashcroft K, Bhandari B, et al. Schizophrenia and borderline personality disorder: similarities and differences in the experience of auditory hallucinations, paranoia, and childhood trauma. *J Nerv Ment Dis*. 2010;198(6):399-403.
12. Gunderson JG. *Borderline personality disorder*. Washington, DC: American Psychiatric Press; 1984.
13. Zanarini MC, Frankenburg FR, Wedig MM, et al. Cognitive experiences reported by patients with borderline personality disorder and Axis II comparison subjects: a 16-year prospective follow-up study. *Am J Psychiatry*. 2013;170(6):671-679.
14. Tschoeke S, Steinert T, Flammer E, et al. Similarities and differences in borderline personality disorder and schizophrenia with voice hearing. *J Nerv Ment Dis*. 2014;202(7):544-549.
15. Oliva F, Dalmotto M, Pirfo E, et al. A comparison of thought and perception disorders in borderline personality disorder and schizophrenia: psychotic experiences as a reaction to impaired social functioning. *BMC Psychiatry*. 2014;14:239.
16. Merrett Z, Rossell SL, Castle DJ, et al. Comparing the experience of voices in borderline personality disorder with the experience of voices in a psychotic disorder: a systematic review. *Aust N Z J Psychiatry*. 2016;50(7):640-648.
17. Glaser JP, Van Os J, Thewissen V, et al. Psychotic reactivity in borderline personality disorder. *Acta Psychiatr Scand*. 2010;121(2):125-134.
18. Rosenbluth M, Sinyor M. Off-label use of atypical antipsychotics in personality disorders. *Expert Opin Pharmacother*. 2012;13(11):1575-1585.

#### Clinical Point

**Challenging the patient's psychotic symptoms as false or 'made up' rarely is helpful and usually is harmful**