random-effects model for meta-analysis, as this includes consideration of heterogeneity in the effect-size estimate. The authors also note that ‘even though a random-effects model helps to consider heterogeneity, it does not remove it’ — heterogeneity still needs to be considered in interpreting the results’. We used a random-effects model and examined heterogeneity.

We would like to reiterate that for those who wish to examine for themselves other points of the type raised by Peters, a detailed database of the studies we included is available online (http://www.chtinschizophrenia.com/).

3 Gaudiano BA, Herbert JD. Acute treatment of inpatients with psychotic stable of the ‘trait-like’ features of the syndrome over 2 years.9

Borderline personality disorder and mood

Parker examined whether borderline personality disorder (BPD) is a bipolar or unipolar mood condition and concluded by suggesting that it is probably neither.1 I would like to offer a supplementary interpretation of the literature; that is BPD is in large part a mood disorder but is not necessarily a bipolar or unipolar mood variant.

Borderline personality disorder is highly comorbid with bipolar disorder2 and depression,3 and those who develop bipolar disorder have early temperamental markers of emotional dysregulation.4 Support that BPD is a mood disorder is also aligned with the fact that affect instability is a core feature of the syndrome. While under-investigated, there is emerging evidence that affect or mood instability, as opposed to mood episodes, might be the core feature of bipolar disorders.5 The majority of patients with established bipolar disorder, even after symptomatic control continue to experience daily or weekly mood swings.6 Further, the prevalence of mood instability and cyclothymic temperament is increased in unaffected bipolar probands7 and it predicts functioning in those with bipolar disorder.8 Mood instability is highly prevalent in unipolar depression8 and independently links to suicidality and health-service use. Furthermore in BPD, affective instability is the least stable of the ‘trait-like’ features of the syndrome over 2 years.9 Thus, all three disorders share mood instability as a clinical component and this all points to BPD, at least in part, being a disorder of mood.

However BPD does not exactly fit into the bipolar or depressive affect rubric, given that the affective shifts do not last long enough for either diagnosis. Detailed studies of the nature of affective instability in mood disorders and BPD using the same measurement methods are limited. However, as Parker states, there are differences. Those with bipolar disorder have greater levels of euthymia–elation and affect intensity. In BPD there are more shifts between anxiety, depression and euthymia–anger.10 Negative emotionality is a critical feature of BPD but it is changeable, as is obvious to clinicians who have been charged with the care of people with BPD on in-patient wards.

Affect can be studied on the basis of intensity, frequency of shift, rapidity of rise-times and return to baseline, reactivity to psychosocial cues or whether endogenously driven, and the extent to which there is overdramatic expression.11 To this could be added valence. Using this framework, BPD could be conceptualised as a disorder of mood in which affect changes are intense, frequent, rapid to occur, slow to dissipate and in which the valence of the mood state is typically negative incorporating depression, anxiety and anger. This pattern of difficulties although related to mood, do not appear to overlap to a significant extent with how depression or bipolar disorder might be described using the same affective framework. Though it is clear that terms such as ‘intensity’, ‘frequency’ and ‘rapidity of rise’ need to be better specified, experience-sampling methods analysing affective patterns in the three disorders might further illuminate this area and indeed the debate.


Gordon Parker makes a powerful case against the hypothesis that borderline personality disorder is really a form of bipolar or unipolar disorder.1 In so doing he is tilting at a windmill in whose