ABSTRACT

Objective
This study sought to identify predictors of bipolar disorder (BPD) risk among patients treated for Major Depressive Disorder (MDD).

Methods
Psychiatrists from community and private practice clinics selected randomly patients who demonstrated one or more antidepressant (AD) medication failures during the current episode of MDD. Patients with BPD, OCD, or schizophrenia were excluded. Patient history and AD use were obtained via record abstraction. Patients self-reported their demographics, family history, co-morbid health status, alcohol/drug use, legal problems, and current depression symptoms. BPD screening was self-reported via the Mood Disorder Questionnaire (MDQ).

RESULTS

Selection of Subjects
- Psychiatrists from private practice and clinic settings (N=93) were asked to identify their next 10 patients with major depression who had experienced one or more prior medication failures (defined as a change in their AD medication or regimen).

Patient eligibility criteria:
- Aged 18+, currently in treatment for major depression
- Not diagnosed with BPD, OCD, schizophrenia or schizoaffective disorder
- If treated less than three months, they had changed medications at least three times and had one or more medication changes during their current episode or if they treated less than three months, they had changed medications at least three times.

Instruments
- Patient survey: Demographic and family history form, the Center for Epidemiological Studies Depression Scale (CES-D) scale, a co-morbid health problems form; the Mood Disorder Questionnaire (MDQ); a co-morbid anxiety disorder; Memory and Attentional Test; and legal problems were assessed with the legal status section of the Addiction Severity Index (ASI).

Methods
- Potential predictors of MDQ status were first assessed via univariate analyses. Significant predictors used in step-wise logistic regression included: co-morbid anxiety disorder; recent depression diagnosis (within five years), and the following five CES-D items, treated as dichotomous variables: "I thought my life had been a failure", "My sleep was restless", "People were unfriendly", "I had crying spells", and "I felt that people disliked me".

Conclusions
- Of 100 patients, the base MDQ positive rate was 18.6%. Stepwise logistic regression identified five variables associated with bipolar disorder risk (MDQ+). The CES-D item "people were unfriendly" (OR=2.59, p<.001), co-morbid anxiety (OR=2.98, p<.002), depression diagnosis within five years (OR=2.47, p<.001), family history of MDD (OR=2.01, p<.01), and legal problems (OR=1.74, p<.056) were MDQ+. For patients endorsing "people were unfriendly" (n=103), 31.1% were MDQ+. Adding co-morbid anxiety (n=101) increased MDQ+ rate to 35.4%; adding recent depression onset (n=117) increased MDQ+ rate to 41.2%; adding family history (n=165) increased MDQ+ rate to 75%; 100% of those endorsing all 5 factors (n=109) had MDQ+.

INTRODUCTION

The past several decades have seen enormous progress in the recognition, diagnosis, and therapeutic management of major depression, especially with the introduction of new classes of antidepressants and novel approaches to management. However, at least 30% of patients with depression fail to respond fully to adequate antidepressant therapy; and remission rates in controlled clinical trials remain below 50%. Recent research suggests that a substantial subset of patients diagnosed with unipolar major depression who do not show an adequate response to antidepressant therapy in fast from bipolar disorder.

Patients suffering from BPD are often unrecognized and incorrectly treated for years with significant adverse personal, social, and work-related consequences. The study sought to identify predictors of BPD risk among MDD patients. It was hypothesized that a proportion of patients currently receiving antidepressant treatment actually suffer from BPD, and thus were incompletely diagnosed and treated. As a result, this study was designed to identify predictors of bipolar disorder risk among MDD patients currently in treatment.

METHODS

Association Between Number of Risk Factors and Being Positive on the MDQ

DISCUSSION

- Among this sample of depression patients with one or more prior antidepressant medication failures:
  - More than 60% were severely depressed (based on CES-D score of 22 or higher) at the time of the study.
  - They were taking an average of three antidepressant medications for their current episode.

- Five significant predictors of BPD risk were identified via logistic regression:
  - CES-D item "people were unfriendly"
  - Co-morbid anxiety
  - Recent (within past five years) depression diagnosis
  - Family history of BPD
  - Past legal problems

- Over one-third of patients who endorsed the item "people were unfriendly" on the CES-D scale and reported comorbid anxiety screened positive for bipolar disorder.

- 100% (N=5) of the patients who endorsed all five of the predictor variables screened positive for BPD on the MDQ.

- The finding that co-morbid anxiety plus predictors BPD risk is also consistent with recent findings suggesting that more than 50% of bipolar patients experience at least one co-morbid anxiety disorder.

CONCLUSION

- Just over one in three patients who experienced projection or rejection sensitivity via endorsement of the CES-D item "people were unfriendly" as well as co-morbid anxiety, were at risk for BPD (MDQ+).

- Endorsement of "people were unfriendly" was hypothesized to be a reflection of projection or rejection anxiety.

- These two clinical features plus recent depression onset, BPD family history and legal problems may prove to be useful indicators of BPD risk among patients with difficult to treat depression.

REFERENCES