In Teens, Prozac Ineffective for Depression, Substance Abuse

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New England Bureau

BOSTON — Fluoxetine is not an effective treatment for depression in adolescents with comorbid substance-related disorders, suggest results of a placebo-controlled trial presented at the annual meeting of the American Academy of Child and Adolescent Psychiatry.

Previous studies have suggested that fluoxetine may minimize depressive symptoms and drinking in adolescents with comorbid major depression and alcohol use

In the current study, designed to assess the efficacy and tolerability of fluoxetine in adolescents aged 12-17 years who were diagnosed with depression and a substance use disorder, Dr. Robert L. Findling and his colleagues at University Hospitals Case Medical Center. Cleveland, showed that the effect of treatment with the selective serotonin reuptake inhibitor was comparable with placebo in alleviating depressive symptoms. Also, patients treated with fluoxetine did not show a significantly greater decrease in their substance use, compared with patients who received placebo.

The 34 adolescents (mean age 16.46 years) who were enrolled in the trial met DSM-IV-R (revised) criteria for major de-



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DR. FINDLING

pressive disorder or dysthymic disorder, and all had depressive symptoms of at least moderate severity, Dr. Findling reported in a poster presentation.

In addition, all of the patients had a comorbid substance use disorder, including cannabis use disorder (in 56%), polysubstance use disorder (39%), and alcohol use disorder (11%).

For the study, 18 patients were randomized to receive 10-mg fluoxetine for 4 weeks, after which the dose could be increased to 20 mg, and 16 patients were randomized to placebo with a matching increase after 4 weeks.

The primary study outcome was mean change from baseline to end point in depressive symptoms and psychosocial functioning, based on Children's Depression Rating Scale-Revised (CDRS-R) scores.

Rates of positive urine drug screens were calculated to assess drug use during the 8-week study period.

Comparison of the primary outcome via mixture model analysis demonstrated no treatment difference in mean change in CDRS-R total score, said Dr. Findling, who also noted that no significant treatment-by-visit interaction was observed in the random effects regression model, "suggesting there was no difference between treatment groups [in mean CDRS-R] change over time.'

Analysis of urine drug-screen results showed no difference in rates of positive screens between treatment groups, he said.

Funding for the investigation was provided by the American Foundation for Suicide Prevention and St. Luke's Foundation of Cleveland, and study medications were provided, in part, by Eli Lilly & Co., which manufactures fluoxetine.

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Increased Morfality in Elderly Patients with Dementia-Related Psychosis: Elderly patients with dementia-related psychosis breated with atypical antipsychotic drugs are at an increased risk of death compared to placebo. Analyses of seventeen placebo controlled trials (modal duration of 10 weeks) in these patients revealed a risk of death in the drug-treated patients of between 1.5 to 1.7 times that seven in placebo-treated patients. Over the course of a typical 10 week controlled trial, the rate of death in drug-treated patients was about 4.5%, compared to a rate of about 2.6% in the placebo group. Although the causes of death were varied, most of the deaths appeared to be either cardiovascular (e.g., heart failure, sudden death) or infectious (e.g., pneumonia) in nature. GEODON (ziprasidone) is not approved for the treatment of patients with Dementia-Related Psychosis.

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