Alcohol consumption and suicidal behaviour in bipolar disorder

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Background and Aims: Bipolar Disorder (BD) is highly associated with completed suicides and suicide attempts. BD is also the axis I disorder associated with the higher risk of co-morbid substance use disorder (SUD). We investigated the association between alcohol consumption and suicidal behavior in BD patients.

Methods: One hundred seventy-five BD subjects diagnosed according to the Structured Clinical Interview for DSM-IV (SCID) were included. SUD were diagnosed using DSM IV criteria. The sample consisted in 151 BD-I, 15 BD-II, 9 BD-NOS. Demographic data and suicide attempts were assessed using a standardized protocol.

Results: Lifetime rate of suicide attempts for the entire sample was 50.3%. A lifetime co-morbid alcohol abuse or dependence was associated with suicide attempts: BD patients with co-morbid alcohol abuse had a 67.4% lifetime rate (LR) of attempted suicide, those without had a 44.2% LR (c2 = 7.364; df = 1; p = 0.007). BD patients with co-morbid alcohol dependence had a 63.0% LR of attempted suicide, those without had a 46.6% LR (c2 = 4.652; df = 1; p = 0.030). Comparing alcohol consumption patterns (abuse/dependence) regarding to suicide attempts, we found no statistical difference (c2 = 0.001; df = 1, p = 0.776).

Conclusions: In our sample of outpatient BD subjects, both lifetime co-morbid alcohol abuse and dependence were associated with a higher rate of suicide attempts, with no difference between the consumption patterns. The anxiety comorbidity may be one of the risk factors contributing to the higher suicide attempts rate, according to previous data of our group.