Impulsivity Mediates the Relationship between Gambling Problem Severity and Binge Eating



Introduction

Eating disorders frequently co-occur with gambling disorder (GD), particularly eating disorders associated with higher levels of impulsivity, such as binge eating disorder (BED)¹. BED is characterized by a loss of control over eating habits.

Co-morbid GD and BED is associated with greater severity of gambling-related problems and psychopathology. Furthermore, both GD and BED are commonly associated with higher levels of impulsivity².

Despite the association between co-morbid GD and BED and higher psychopathology, the mechanism in this relationship has not been examined. Given that impulsivity is a common feature of both BED and GD, there is reason to believe that impulsivity may be a mediator of this co-morbidity.

<u> Aim</u>

Examine whether impulsivity mediates the relationship between gambling problem severity and binge eating severity.

<u>Hypotheses</u>

- Higher levels of binge eating severity are associated with greater levels of gambling problem severity
- Higher levels of binge eating are associated with greater impulsivity
- Higher levels of impulsivity are associated with greater gambling problems controlling for binge eating severity
- Impulsivity mediates the relationship between gambling problem severity and binge eating severity

Methods

<u>Participants:</u>

210 disordered gamblers seeking treatment at the Gambling Outpatient Treatment Unit at the University of São Paulo, Brazil

Measures

- <u>Gambling Symptom Assessment Scale (GSAS)</u>: Measures the severity of disordered gambling symptoms
- <u>Binge Eating Scale (BES)</u>: Measures the severity of binge eating symptoms
- <u>Barratt Impulsiveness Scale 11 (BIS-11)</u>: Measures impulsivity, specifically measures cognitive, motor and non-planning facets







