

## **P02-50**

### **MATHEMATICAL MODEL OF ETHIOPATHOGENIC FACTORS INVOLVED IN EATING DISORDERS**

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The purpose of this study is to track down some correlations between physiological markers, familial dynamics and personality traits, coping mechanism and build a particular mathematical pattern, allowing us a better understanding and prediction of the illness. We assessed twenty adolescents, diagnosed with eating disorders (using KID-SCID), using Constructive Thinking Inventory and Parental Stress Index. Using stochastic shaping through Markov models, classification trees we designed a model, which will hopefully contribute to better control of the diseases.