Intelligent Assessment and Prediction of Treatment Outcome in ADHD Patients. A Software Based Measure

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Abstract:

The main aim of our study is to elaborate software able to assess and predict treatment progress and outcome in patients undergoing Cognitive Behavioral Therapy (CBT) for Attention Deficit Hyperactivity Disorder (ADHD). Two psychometric measures (CBCL - Child Behavior Check List and TRF- Teacher's Report Form) were used in order to generate predictions on patient progress during treatment. Both measures were used in a Randomized Clinical Trial (RCT) designed to investigate the efficacy of CBT treatment for 180 patients, aged 6 to 11, diagnosed with ADHD. Thus, all predictions generated by the software are made against the data sets within this RCT. Implications are discussed.

Keywords

treatment progress, treatment outcome, RCT, ADHD