Objectives:
Scientific results concerning social-cognitive deficits in adult patients with attention deficit hyperactivity Disorder (ADHD) are rare (Uekermann 2010). Current research, however, detects an association between ADHD and deficits in perception of prosody (Kis 2017).

Methods:
Social-cognitive abilities were analyzed using the Cambridge Behavior Scale (CBS, empathy) and the Movie for the Assessment of Social Cognition (MASC, Theory of mind). Executive functions were estimated with a series of well-established neuropsychological tests. We compared performance patterns of treatment-naïve adults with ADHD (n = 30) with a healthy control group (n = 30).

Results:
In comparison to the healthy control group, adult patients with ADHD scored significantly lower in empathic performance in the CBS (p = 0.03). Regarding Theory of Mind abilities, we observed that in the group of adults with ADHD the response option reflecting a “missing Theory of Mind” was chosen significantly more often (p = 0.04).

Conclusion:
ADHD is associated with deficits in Empathy and Theory of Mind independent of execute functioning. Further research should focus on replication in larger study samples and possible treatment implications.