

## **Communication between infant-boys and their mothers with ADHD.**

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The present longitudinal study aimed to examine the development of temporal and qualitative aspects of the interaction between boy-infants and their mothers with symptoms of ADHD. Ten infants and their mothers with ADHD symptoms and ten control dyads were video recorded at home during free-play interactions when infants were 2, 4, 6, and 9 months. Microanalysis of the video recordings was carried out to assess synchronization, type of turn-taking and type of interaction. Infants' temperament was also assessed. It was demonstrated that the ADHD dyads showed shorter duration of synchronization and shorter episodes of interpersonal play at 2 months and joint attention at 9 months. Moreover, duration of synchronization was significantly correlated with type of interaction. No differences were observed in infants' temperament. It is concluded that mothers with ADHD show deficiencies in the ability to provide the necessary time framework as well as age-appropriate stimuli to their infant, while infants seem to attempt to attune with their mother's pace. Clinical implications of these findings are also discussed.