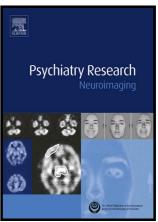
## Author's Accepted Manuscript

Chromosome aberration associated with hippocampal impairment

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## **ACCEPTED MANUSCRIPT**

Chromosome aberration associated with hippocampal impairment

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Dear editors, we report a 22-year-old man who presented with subjective memory impairment and orientation deficits. After an unsuccessful attempt of job training he recently started working as an assistant facility manager in his father's business. The father reported the patient's inability to remember instructions as well as impaired wayfinding skills. He also mentioned delayed motor and speech development during infancy. Childhood pediatric assessments revealed a medical history of postnatal incubator care and bronchopulmonary dysplasia after cesarian section delivery in the 39<sup>th</sup> gestational week, low body weight and body height (<3<sup>rd</sup> percentile), pectus excavatum but no other disorders except the cognitive impairments. After regular elementary school admission he later attended a school for children with learning disabilities from age 13 and graduated with a junior high school diploma. Two years earlier he had been diagnosed with attention deficit disorder, other possible psychiatric diagnoses or symptoms had not been described. Treatment with methylphenidate was ineffective and had been discontinued after several months.

In our hospital, the patient did not show any neurological abnormalities in the clinical examination, he presented with subtle facial asymmetry with hypotelorism as well as low body height (<3<sup>rd</sup> percentile) and a disproportionate head circumference (> 90<sup>th</sup> percentile). Electrocardiography and blood testing were without pathological findings;

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