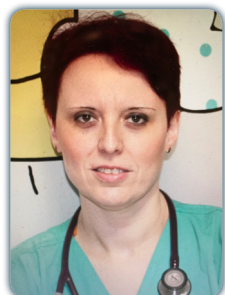


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María Amparo Lopez-Ruiz

CEU Cardenal Herrera University, Spain

Neuroleptic-induced oral-facial tardive dyskinesia in a prepuberal boy with an attention-deficit hyperactivity disorder

Introduction & Aim: The use of antipsychotics, antagonists of dopamine D² receptors in the treatment of ADHD in children needs further revision given the incidence of side effects of unknown frequency as tardive dyskinesia and acute extrapyramidal symptoms, both induced by haloperidol and the fact that overdose can produce dangerous morbidity, sometimes even requiring intensive care treatment. Patients receiving neuroleptics such as butyrophenone haloperidol for a long period of time can develop several forms of a rare side effect included among the extrapyramidal dyskinetic syndromes, especially oral-facial involuntary movements as well as uncontrolled movements of the extremities called tardive dyskinesia. In this study, we present a case of Tardive dyskinesia, the most frequent group of involuntary movements in patient taking haloperidol.

Case Report: An 11-year-old male patient taking a high dose of haloperidol and methylphenidate in a normal dose for two years was hospitalized due to the severity of the symptoms and eventually the child developed a syndrome of Tardive dyskinesia. Upon admission, medication was stopped and the symptoms disappeared in the next 24 hours. Three days later the boy recovered completely and was discharged from the hospital to follow treatment in the outpatient clinic. There were no recurrences of the Dyskinetic reactions during that summer.

Conclusions: Given the possibility of presentation of Tardive dyskinesia and other acute extrapyramidal symptoms, we strongly recommend avoiding the prescription of haloperidol, especially associated to methylphenidate (also responsible for some cases of Tardive dyskinesia) in the treatment of attention-deficit hyperactivity disorder (ADHD).

Biography

María Amparo Lopez-Ruiz has completed her PhD from Valencia University and Post-doctoral studies from the CEU Cardenal Herrera University. She completed her Doctorate in Medicine with thesis entitled: Analysis of the use of medication in the pediatric population that visits accident and emergency department. She has been a Medical Degree Coordinator at CEU Cardenal Herrera University since 2015. She has attended international congresses of pediatrics as a Keynote Speaker and has published more than 20 papers in reputed journals.

maria.lopez5@uchceu.es

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