

Risperidone for the Treatment of Retentive Fecal Incontinence in Children and Adolescents: A Randomize Clinical Trial

Authors : Ghazal Zahed, Leila Tabatabaee, Amirhossein Hosseini, Somaye Fatahi

Abstract : Functional retentive overflow incontinence (Retentive FI) is the most common cause of fecal soiling in children. Affected patients may have more problems with their parents and peer group, self-esteem issues, and more psychiatric comorbidities than the general population. Therapeutic interventions for Retentive FI and related problems and comorbid conditions are needed at the same time. Based on the clinical experiences, patients with retentive FI and comorbid psychiatric disorders, were accelerated in their treatment of fecal incontinence when they were being treated with Risperidone for their psychiatric comorbidities, therefore this study was conducted to evaluate the effect of Risperidone in the treatment of Retentive FI in children and adolescents. In this double-blind randomized clinical trial, 136 patients aged 4-18 years eligible for the study were randomly divided into two groups receiving Risperidone and placebo. About half of these patients had newly diagnosed psychiatric disorders and were drug naïve, this was considered in their division. In addition to polyethylene glycol, all the participants received family counseling and education for withholding behaviors and related behavioral interventions, and nonpharmacological interventions for psychiatric comorbidities. A significant correlation was observed between the duration of treatment with risperidone and the presence of psychiatric comorbidities ($P < 0.001$) for diurnal fecal incontinence. Based on our findings in this study, Risperidone, used commonly for psychiatric disorders in children and adolescents, may be useful in the treatment of retentive fecal incontinence in the presence of psychiatric comorbidities, and along with other interventions.

Keywords : Retentive Fecal Incontinence, Risperidone, Treatment, Pediatric, Encopresis, Atypical Antipsychotics, Fecal Soiling

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