Oral Health of Children with Attention Deficit Hyperactivity Disorder: Systematic Review and Meta-Analysis

Yvonne C. Y. Chau, Si-Min Peng, Colman P. J. McGrath, Cynthia K. Y. Yiu

Journal of Attention Disorders, 2017
DOI: https://doi.org/10.1177/1087054717743331

Abstract

Objective:
This systematic review investigated the oral health of children with ADHD.

Method:
A structured search strategy was performed on five electronic databases: SCOPUS, Web of Science, COCHRANE, PubMed, and PsychInfo. Studies were included in the review if they reported clinical oral health outcomes on a population diagnosed with ADHD under the age of 18 years old. Qualitative and quantitative analysis was performed on pooled prevalence and mean/median values for caries, trauma, periodontal problems, and tooth wear.

Results:
Twenty-seven effective articles were reviewed by two calibrated assessors. Meta-analysis of the results found higher mean number of decayed surfaces, plaque index, and trauma prevalence among children with ADHD.

Conclusion:
Children with ADHD show increased risk for caries and traumatic dental injuries, and may have poorer oral hygiene compared with children without ADHD. More awareness among clinicians would promote better caries- and trauma-preventive advice and management.