

## The Correlation between Air Pollution and Tourette Syndrome

**Authors :** Mengnan Sun

**Abstract :** It is unclear about the association between air pollution and Tourette Syndrome (TS), although people have suspected that air pollution might trigger TS. TS is a type of neural system disease usually found among children. The number of TS patients has significantly increased in recent decades, suggesting an importance and urgency to examine the possible triggers or conditions that are associated with TS. In this study, the correlation between air pollution and three allergic diseases---asthma, allergic conjunctivitis (AC), and allergic rhinitis (AR)---is examined. Then, a correlation between these allergic diseases and TS is proved. In this way, this study establishes a positive correlation between air pollution and TS. Measures the public can take to help TS patients are also analyzed at the end of this article. The article hopes to raise people's awareness to reduce air pollution for the good of TS patients or people with other disorders that are associated with air pollution.

**Keywords :** air pollution, allergic diseases, climate change, Tourette Syndrome

**Conference Title :** ICEPPHI 2024 : International Conference on Environmental Pollution, Public Health and Impacts

**Conference Location :** Dubai, United Arab Emirates

**Conference Dates :** January 18-19, 2024