

Conclusions. d-ATS was effective in the treatment of ADHD in children and adolescents, meeting its primary endpoint (reported elsewhere) and all secondary endpoints. d-ATS was safe and well-tolerated, with minimal dermal reactions.

Funding. Noven Pharmaceuticals, Inc.

Alliaceus Axilla as a Manifestation of Olfactory Reference Syndrome

Anton S. Lima, MD¹, Jenish V. Patel, MS²,
Tiffany Chang, MD³ and Alan R. Hirsch, MD⁴

¹Federal University of Pernambuco, Recife, Brazil, ²Windsor University School of Medicine, St. Kitts, West Indies, ³Fudan University Shanghai Medical College, Shanghai, China, and ⁴Smell & Taste Treatment and Research Foundation, Chicago, IL, USA

Abstract

Introduction. Olfactory reference syndrome (ORS) is a delusion in which a person believes that he or she exudes a displeasing body aroma that others perceive negatively. The axilla has been reported as a single primary source in only one patient. Furthermore, ORS is rarely reported to be associated with food odor. In these instances, the food is not edible. Delusions of ORS presenting as alliacious edible food aromas have not heretofore been described.

Case Report. One week after undergoing catheter ablation for atrial fibrillation, this 42-year-old right-handed male experienced a sudden onset of loss of smell and taste. This has persisted on presentation and he described a complete lack of smell, only being able to smell different spices and herbs. Over time, his sense of smell selectively improved such that he was able to smell alliacious substances, including onion and garlic, as well as a few other aromas. At the same time his smell returned, he noted that his own body exuded a smell of garlic. This occurred especially while weightlifting at the gym. He noticed that the shirts he had worn working out, in the axillary regions, were encumbered with a garlic/onion miasma. He was fearful that this mephitic aroma was being secreted through his armpits, and that others would recognize his tragomaschalia. As a result, he restricted his activities. Over a few months, his smell ability gradually worsened back to the condition he was in after the ablation. Coincident with this, his perception that he was exuding an alliacious aroma resolved.

Results. Motor examination: Drift testing: mild left pronator drift. Left abductor digiti minimal sign. Olfactory testing prior to the development of ORS: Alcohol Sniff Test (AST): 0 (anosmia). Brief Smell Identification Test (B-SIT): 3 (anosmia). Olfactory testing during ORS: AST: 16 (hyposmia). B-SIT: 9 (hyposmia). Olfactory testing after resolution of ORS: AST: 0 (anosmia).

Discussion. This could be explained by a physiologic axillary odor or malodor, which he could not detect before or after the ORS. During the ORS, the odor may have been misperceived in a dysosmic manner due to his underlying olfactory deficit. Such dysosmia may have then been interpreted as the aroma of an alliacious vegetable. The intensity of the aroma may have been greatest at the axillary area if compared to the other sources, but

due to his underlying hyposmia, he was able to perceive only the axilla as a sole source of the aroma. Besides, psychodynamic preoccupation with bodily physique may have explained his hypersensitivity to minor flaws and his excessive preoccupation with possible harassment from others. He may have consequently misinterpreted individuals' benign observations and attitudes to presume the presence of aroma. In individuals with olfactory deficit, this investigation for the presence of ORS with traditionally unpleasant food aromas or the presence of ORS in those with chemosensory dysfunction is warranted.

Funding. No funding

A Case of Possible Levetiracetam Induced Aseptic Meningitis vs Viral Meningitis

P. Brittany Vickery, PharmD, BCPS, BCPP,
J. Kyle Roach, PharmD and Stephen Vickery, PharmD

Wingate University School of Pharmacy, Wingate, NC, USA

Abstract

Introduction. Meningitis causes inflammation of the meninges and when bacteria are not the cause may be considered aseptic. Drug-induced aseptic meningitis (DIAM) can arise from the use of certain medications. The pathophysiology of DIAM is not well understood. Within the antiepileptic medication class, only lamotrigine, carbamazepine, and levetiracetam have been associated with DIAM via documented cases. Common presentation of DIAM involves fever, headache, meningismus, and mental status changes (abnormal consciousness and focal neurological deficits). Other clinical features may include neck stiffness, photophobia, nausea, vomiting, abdominal pain, bone pain, hypotension, edema (facial and optic nerve), rash, and seizures. Case reports of DIAM with varying or limited symptomology exist. Therefore, the presentation alone will not allow for a DIAM diagnosis, prompting further analysis and diagnostic exclusion.

Case. A middle-aged male presented with a 48-hour history of confusion, disorientation, unresponsiveness, and hypersomnolence. Past medical history included hypertension, hyperlipidemia, type-2 diabetes, and seizures. Home medication included chlorthalidone, levetiracetam, lisinopril, metformin, potassium chloride, rosuvastatin with no medication allergies reported. Upon admission, the patient denied fever, headache, nausea, neck pain, vomiting, and rash. Somnolence, dysarthria, and obtundation were noted during the physical evaluation. Hospital medications included home medications along with enoxaparin, correctional dose insulin lispro, and IV lactated ringers. Vitals and labs were unremarkable. On hospital day (HD) 1 the MRI scan was unremarkable, ruling out a demyelinating process. Serology tests (ie, ANA and dsANA) were negative. Neurology was consulted, and a lumbar puncture was performed. On HD-2 AEIM was suspected, prompting levetiracetam discontinuation and lacosamide initiation (50 mg by mouth twice daily). The CSF analysis was notable for pleocytosis (lymphocytic predominance at 96%), elevated protein (100 mg/dL), and slightly elevated glucose (79 mg/dL). The CSF VDRL was negative, ruling out