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Aspartame-induced fibromyalgia, an unusual but curable cause of chronic pain.

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Abstract

We report for the first time an unusual musculoskeletal adverse effect of aspartame in two patients. A 50-year-old woman had been suffering from widespread pain and fatigue for more than 10 years leading to the diagnosis of fibromyalgia. During a vacation in a foreign country, she did not suffer from painful symptoms since she had forgotten to take her aspartame. All of the symptoms reappeared in the days following her return when she reintroduced aspartame into her daily diet. Thus, aspartame was definitively excluded from her diet, resulting in a complete regression of the fibromyalgia symptoms. A 43-year-old man consulted for a 3-year history of bilateral forearm, wrist, and hand and cervical pain with various unsuccessful treatments. A detailed questioning allowed to find out that he had been taking aspartame for three years. The removal of aspartame was followed by a complete regression of pain, without recurrence. We believe that these patients' chronic pain was due to the ingestion of aspartame, a potent flavouring agent, widely used in food as a calorie-saver. The benefit/ risk ratio of considering the diagnosis of aspartame-induced chronic pain is obvious: the potential benefit is to cure a disabling chronic disease, to spare numerous laboratory and imaging investigations, and to avoid potentially harmful therapies; the potential risk is to temporarily change the patient's diet. Thus, practitioners should ask patients suffering from fibromyalgia about their intake of aspartame. In some cases, this simple question might lead to the resolution of a disabling chronic disease.

PMID: 21176433 [PubMed - indexed for MEDLINE]

+ Publication Types, MeSH Terms, Substances

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Related citations

Phenobarbital-induced fibromyalgia as the cause of bilateral shoulder [J Am Osteopath Assoc. 1995]

Relief of fibromyalgia symptoms following discontinuation of dietar [Ann Pharmacother. 2001]

Evaluation of a patient-centred approach in generalized musculos [Patient Educ Couns. 2002]

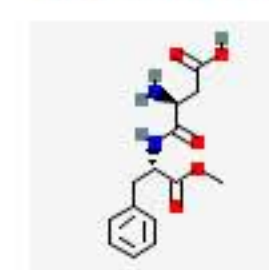
Review Chronic widespread pain in the spectrum of rheumat [Best Pract Res Clin Rheumatol. 2007]

Review Fibromyalgia syndrome: a discussion of the syndrome and pharmacother [Am J Ther. 2010]

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Chemical Compound Information



Aspartame

MW: 294.30 g/mol

MF: C₁₄H₁₈N₂O₅

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Compound (MeSH Keyword)

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