



Tumor Necrosis Factor Receptor-associated Periodic Syndrome Mimicking Systemic Juvenile Idiopathic Arthritis

http://www.firstlight.cn 2006-09-15

Background: We report two cases of tumor necrosis factor receptor-associated periodic syndrome (TRAPS) in patients in whom syste mic juvenile idiopathic arthritis (JIA) had initially been diagnosed or suspected. One patient, given a diagnosis of systemic JIA, was a 10-yea r-old boy who had presented with recurrent episodes of spike-fever, skin rash, arthritis, and myalgia. The other patient was his 7-year-old sis ter, who presented with similar symptoms and was suspected of having systemic JIA.

Methods: Serum levels of soluble tumor necrosis factor receptor super family 1A (TNFRSF1A), TNF-alpha, Interleukin (IL) -6, and C-r eactive protein (CRP) were measured in two siblings and JIA patients. In addition, DNA sequencing of the TNFRSF1A gene in two sibling s was also performed.

Results: A detailed family history showed that their mother had an episode of recurrent fever, arthritis, and myalgia with an increased se rum CRP after the delivery of a daughter. Both siblings had serum levels of soluble TNFRSF1A that were below the normal reference rang e, and that did not reach a level corresponding to that of systemic JIA. On TNFRSF1A gene analysis, a single missense mutation resulting i n C30Y was found in both siblings.

Conclusions: Based on the clinical features and the TNFRSF1A mutation, both siblings were given a diagnosis of TRAPS. The serum le vels of soluble TNFRSF1A, measured along with the CRP level, may be a useful screening marker for differentiating TRAPS from systemi c JIA.

存档文本

我要入编|本站介绍|网站地图|京ICP证030426号|公司介绍|联系方式|我要投稿 北京雷速科技有限公司 版权所有 2003-2008 Email: leisun@firstlight.cn