

Abstract

Background

Eosinophilia is caused by a broad spectrum of disorders having a highly heterogeneous pathophysiology. Clinical presentation can range from mild symptoms to severe disease leading to a fatal outcome. Hypereosinophilic syndrome (HES), complicated with eosinophilic pneumonia is rarely seen with hematological malignancies. This case report presents a case of eosinophilic pneumonia with HES secondary to non-Hodgkin's lymphoma (NHL).

Case presentation

A 46-year-old man presented with a history of chronic cough, shortness of breath and constitutional symptoms. During evaluation, he was found to have generalized lymphadenopathy and pulmonary consolidation associated with peripheral blood eosinophilia. He was finally diagnosed to have HES complicated with pulmonary infiltration secondary to NHL of T cell lineage. His symptoms improved markedly with the reduction of eosinophilia following high-dose steroid treatment. Thereafter, he was referred to oncology management of lymphoma.

Conclusion

NHL can present as HES associated with eosinophilic pneumonia. This case report highlights the importance of early initiation of high dose of corticosteroids in improving eosinophilia and eosinophilic pneumonia prior to specific treatment for lymphoma.