

Abstract

Background

ANCA (Anti-neutrophil cytoplasmic antibody) associated vasculitides (AAV) are multiorgan autoimmune diseases characterized by pauci-immune necrotizing vasculitis of the small blood vessels. Interstitial Lung Disease (ILD) is a rare pulmonary manifestation of AAV with increased mortality.

Case presentation

Here we present a case of 51 year old man who presented with chronic cough, exertional dyspnea and constitutional symptoms. During ward stay he developed right big toe numbness and weakness. He was subsequently diagnosed to have ANCA associated vasculitis with mononeuritis multiplex and ILD. Owing to early and prompt treatment with immunosuppressive drugs his clinical symptoms improved markedly.

Conclusion

This case report highlights that the diagnosis of ANCA vasculitis is a challenge. Usual Interstitial Pneumonia (UIP) could be the initial manifestations of ANCA vasculitis. Lung fibrosis can predate the onset of systemic vasculitis features and it is one of the hallmarks of Microscopic polyangiitis (MPA).

Keywords: Anti-neutrophil cytoplasmic antibody associated vasculitides, Interstitial Lung Disease, Usual Interstitial Pneumonia, mononeuritis multiplex, Microscopic polyangiitis