

A Case of Atypical Peripheral Neuropathies: Pearls and pitfalls in Vasculitic Neuropathy

Case study

A 60-year-old man with progressive weakness



Acute-onset



Asymmetry



Fever

Preliminary Diagnosis:

Atypical Peripheral Neuropathy

Clinical Question

Red flags of EGPA in the patient with atypical peripheral neuropathy ?

Diagnostic Pearls



Onset



Acute/Subacute



Distribution



Non-length-dependent



Confirmed with NCS/EMG



Systemic Findings



Fever, Weight loss, or Skin changes

Hallmarks of Eosinophilic Granulomatosis with Polyangiitis (EGPA)



Peripheral Eosinophilia



Lung & Upper Airway diseases



Mononeuritis Multiplex



Eosinophilic inflammation on biopsy

Diagnostic Pitfalls

Clinical history

Symptoms at onset and Mode of progression

Eosinophilia

Eosinophilia can be only transient

ANCA-negative

Only 40-60% EGPA are ANCA-positive

Negative biopsy

A negative biopsy cannot exclude the vasculitis diagnosis



Acute/subacute onset, Fever and rashes, Mononeuritis multiplex confirmed by NCS/EMG; History of pulmonary granuloma and transient eosinophilia