

# **Pathophysiology and treatment of inflammatory neuropathies**

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# XXVII World Congress of Neurology Disclosure

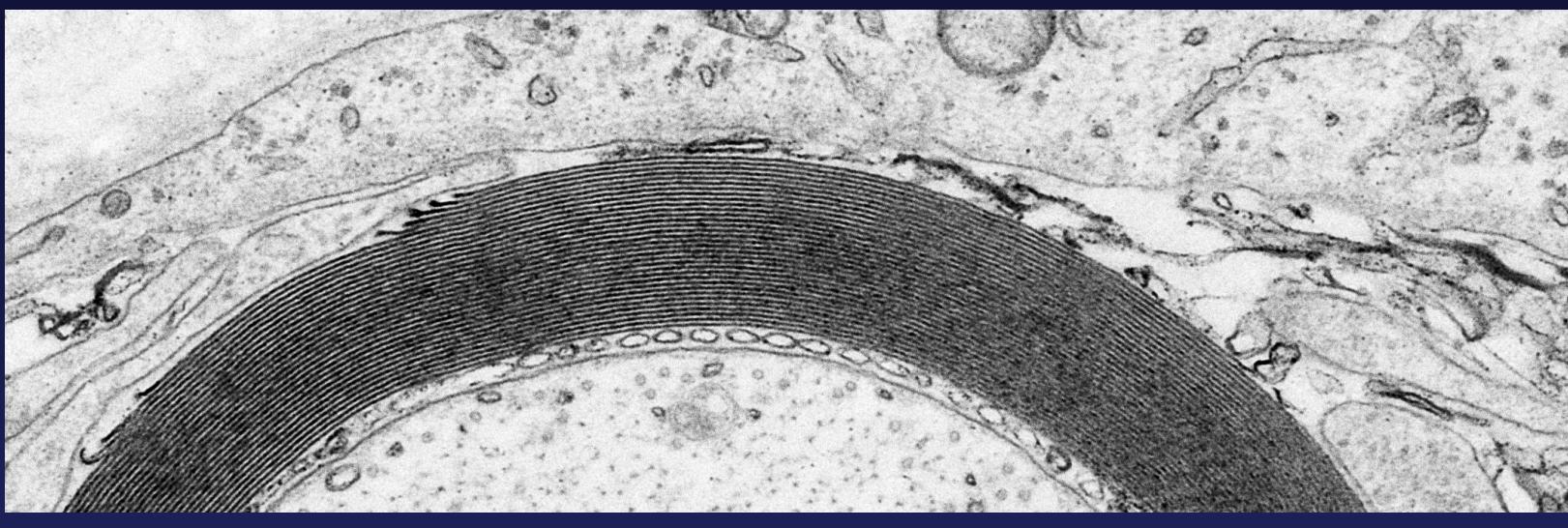
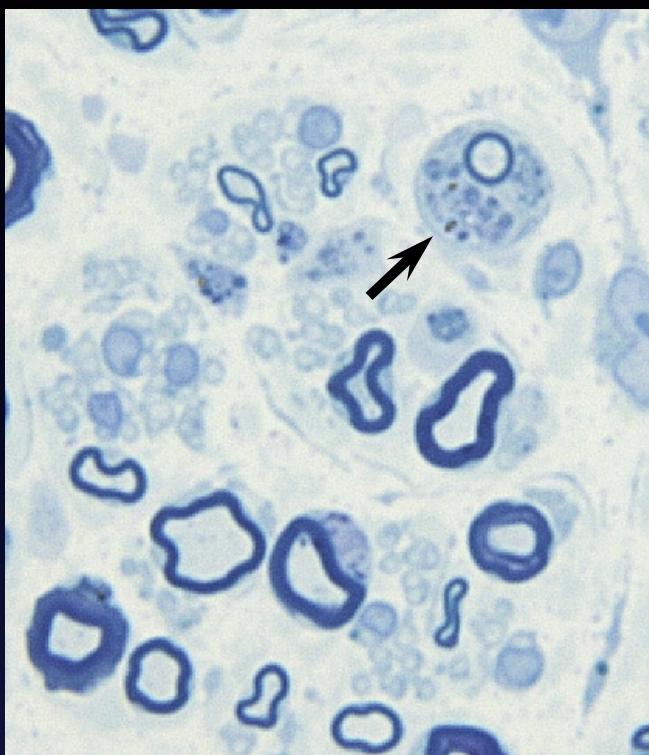
Presentator: Haruki Koike

None declared.

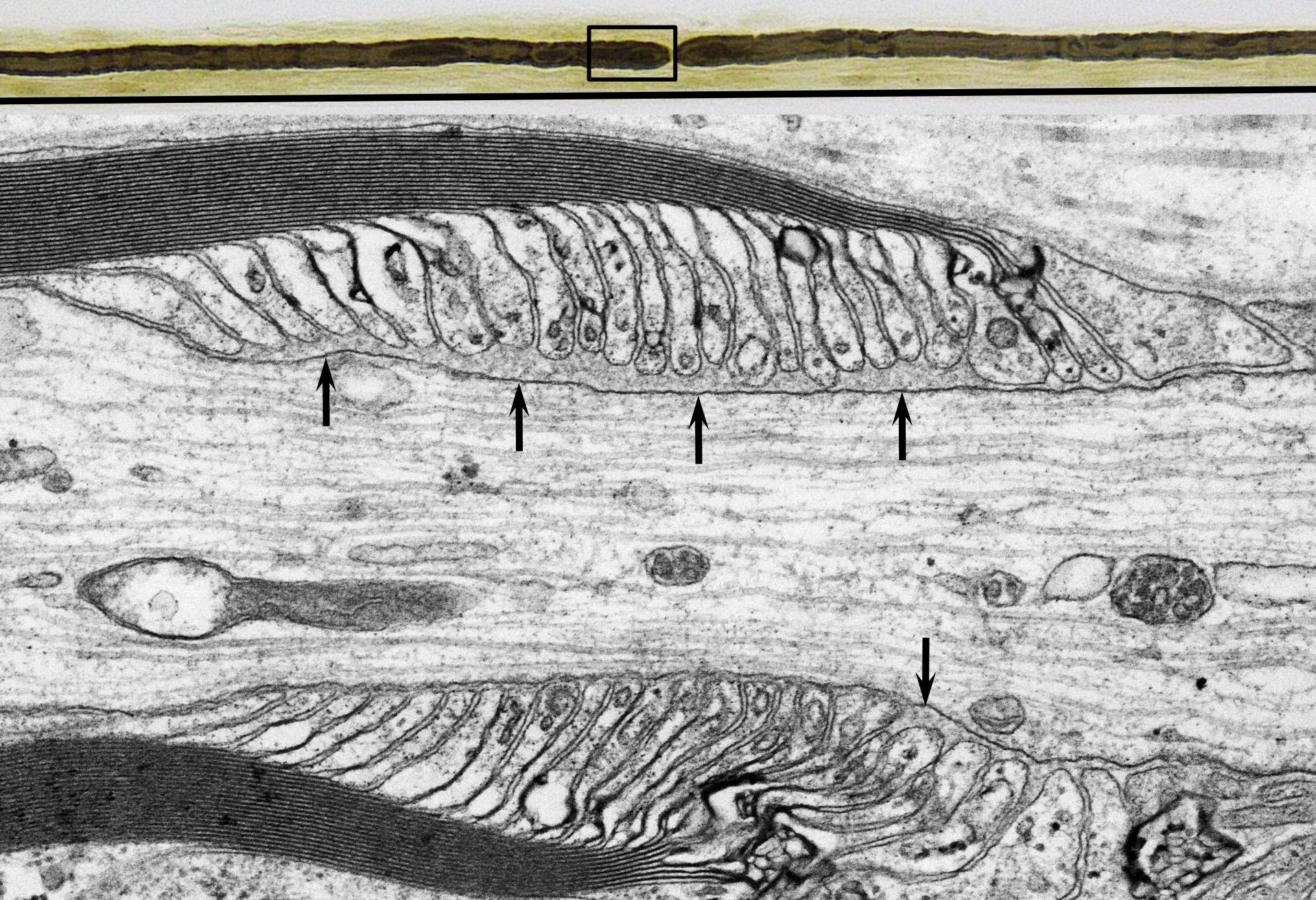
# Learning Objectives

1. Although the causes of peripheral neuropathy are diverse, most diseases are treatable if the cause can be accurately diagnosed.
2. This session focuses on recent advances in the field of inflammatory neuropathy research.
3. Electron microscopic photographs are presented to understand the pathophysiology and therapeutic strategy of inflammatory neuropathy.

# Demyelination caused by macrophages (CIDP)



# Axo-glial detachment (autoimmune nodopathy)



# Summary

- Demyelination caused by phagocytosis of myelin by macrophages is the characteristic feature in both AIDP and CIDP.
- Patients with IgG4 antibodies to paranodal junction proteins are now considered to have autoimmune nodopathy, which is distinct from CIDP.

## References

1. Koike H, et al. *Neurol Ther* 2020; 9: 213-227.
2. Koike H, et al. *Neurology* 2018; 91: 1051-1060.
3. Koike H, et al. *J Neurol Neurosurg Psychiatry* 2017; 88: 465-473.