

HIV Neurology: 40 years + of a pandemic - an update

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Learning Objectives

- HIV associated neurocognitive disorder (HAND)
 - History
 - Epidemiology
 - Mechanisms
 - Classification – old and new
- CD8 encephalitis
 - Rare but treatable complication
- Stroke and HIV
 - Epidemiology
 - Pathophysiological mechanisms
- Progressive multifocal leuco-encephalopathy (PML)
 - Pembrolizumab

Key Message

- Despite combination anti-retroviral therapy, the aging HIV population remains susceptible to cognitive, cerebrovascular disease and peripheral neuropathy complications.
- Evidence suggests central nervous system HIV reservoirs may drive ongoing inflammation resulting not only in cognitive decline but also cerebrovascular disease.
- CD8 encephalitis may represent the most extreme manifestation of this inflammatory spectrum.
- PML and pembrolizumab - efficacy not proven

References (1)

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