



Key Points Summary

Iacono, D., Lee, P., Edlow, B. L., Gray, N., Fischl, B., Kenney, K., Lew, H. L., Lozanoff, S., Liacouras, P., Lichtenberger, J., Dams-O'Connor, K., Cifu, D., Hinds, S. R., & Perl, D. P. (2019). Early-onset dementia in war veterans: Brain polypathology and clinicopathologic complexity. *Journal of Neuropathology & Experimental Neurology*, 79(2), 144-162. doi:10.1093/jnen/nlz122

Primary Question this Study Addresses

What is the distribution of brain pathologies across 15 regions of the cerebral hemispheres and brainstem in military early-onset dementia cases?

Study Findings That Add to Our Knowledge

In a sample of four military early onset dementia cases, pathologic lesions could not be categorized as classic Alzheimer's disease, chronic traumatic encephalopathy, traumatic axonal injury, or other well-characterized clinicopathologic entities.

All four cases shared a common neuropathologic feature, a significant accumulation of hyperphosphorylated tau across different brain regions.

How Study Evidence Might Be Used in Practice

Case studies revealed that combat Veterans, early onset dementia has the potential to show atypical combinations of brain lesions and distributions rarely seen in non-military populations.

Research in larger samples is required on brain lesion locations and distributions in Veterans with early onset dementia and their association with clinical presentations.

For more information, visit:

 [Resource](#)

To access the study abstract, click here:

 [Abstract](#)

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