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Psychiatric phenotypes in chronic traumatic encephalopathy

Short title: **Psychiatric phenotypes in CTE**

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Highlights

- CTE is progressive neurodegenerative disorder including psychiatric symptoms
- Symptoms include depression and suicidality, and have not been fully characterized
- These may be related to pathology in particular brain regions affected in early disease stages
- Postmortem studies in these sites will lead to insight regarding CTE and psychiatric symptoms
- *In vivo* studies may aid in detection and prevalence determination, and resolve clinical challenges

Abstract

Chronic traumatic encephalopathy (CTE) is a neurodegenerative disorder involving cognitive, motor, and psychiatrically-relevant symptoms resulting from repetitive head impacts. Psychiatric phenotypes of CTE, including depression and suicidality, present particular challenges for CTE research, given that the diagnosis requires postmortem neuropathological examination. The pathognomonic lesion of CTE is the

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