



## Violence and the brain (Vernon H. Mark and Frank R. Ervin )

### Description

In 1964 Dr. Mark went on the part-time staff of the Massachusetts General Hospital. He became the Director of Neurosurgery at the Boston City Hospital which position he held until 1986. He and Dr. William Sweet and Dr. Frank Ervin implanted electrodes in the amygdala and hippocampus of patients with intractable temporal lobe epilepsy and aggressive behavior, with [Dr. Jose Delgado](#).

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Wexler, D. B., Mark, V. H., & Ervin, F. R.. (1972). Violence and the Brain. Harvard Law Review , 85(7), 1489.

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“Explosive and violent behavior can occur with focal brain lesions as well as with diffuse damage to the central nervous system. in this article, we review neuroanatomical structures implicated in violence and the neurotransmitters believed to modulate aggressive behavior. we then discuss common neurological and medical conditions related to aggressive behavior.”

Blumer, D. P., Williams, H. W., & Mark, V. H.. (1974). The Study and Treatment, on a Neurological Ward, of Abnormally Aggressive Patients with Focal Brain Disease (Part 2 of 2). Stereotactic and Functional Neurosurgery

, 36(3), 151–176.

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