

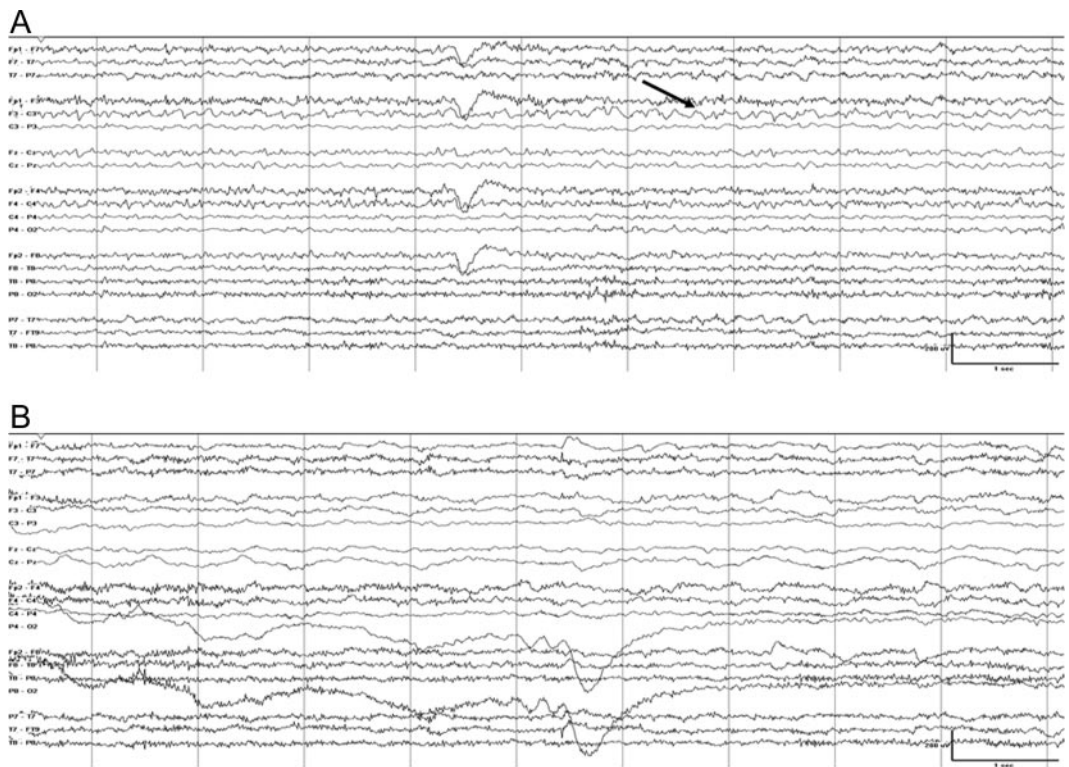
# Teaching Video NeuroImages: Complex partial seizure evolving into a psychogenic nonepileptic seizure



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Figure EEG recording



(A) Left frontal electrographic seizure with right arm clonic activity (see arrow). (B) No further electrographic seizure activity during continued right arm dysrhythmic jerking movements. Sensitivity 10  $\mu$ V/mm.

An 11-year-old, right-handed girl was admitted for video-EEG monitoring of nocturnal paroxysms consisting of eye opening, groans, right arm shaking, and altered consciousness (see video on the *Neurology*<sup>®</sup> Web site at [www.neurology.org](http://www.neurology.org)). Ictal video-EEG suggested a left frontal seizure; subsequent behavioral disturbances including dysrhythmic right arm shaking and confusion continued without electrographic correlate (figure). Although epileptic and nonepileptic seizures frequently coexist, this case illustrates the rare direct evolution of a complex partial epileptic seizure into a nonepileptic seizure and highlights the

importance of video-EEG monitoring in discerning epileptic from nonepileptic events.<sup>1</sup> Ictal activation or disinhibition of emotional neural circuitry is one proposed mechanism for this phenomenon.

## ACKNOWLEDGMENT

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## REFERENCE

1. Devinsky O, Gordon E. Epileptic seizures progressing into nonepileptic conversion seizures. *Neurology* 1998;51:1293–1296.

Supplemental data at  
[www.neurology.org](http://www.neurology.org)

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