

Nicotinamide adenine dinucleotide suppresses epileptogenesis at an early stage

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Epileptic EEG activities concurrent with seizure occurrence in the acute stage of SE.

(a) Baseline electroencephalogram (EEG) activity before pilocarpine injection. (b) Examples of poly-spike or burst firing EEG activity during the seizure (stages 4–5). This 5-s EEG span (16:16:59–16:17:04) was derived from a video clip (video#1) in the status epilepticus (SE) stage. Single-channel intracranial EEG activity was acquired in freely moving mice by using the NeuroLog Electrophysiological Recording System. The signal was amplified 1000 times, filtered from 0.1 to 500 Hz, and digitised at a sampling rate of 2000 Hz. During in vivo EEG recording, the behaviors of mice were simultaneously video monitored using the CloudView Digital Video Recording System (Jovision Technology, China).

