

STATUS EPILEPTICUS: FROM BECNH TO BEDSIDE.

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Introduction: Status epilepticus (SE) is a neurological emergency and has been recently redefined.

Discussion: SE is a condition resulting either from the failure of the mechanisms responsible for seizure termination or from the initiation of the mechanisms that lead to abnormally prolonged seizures. It is an entity that can have long-term consequences, including neuronal death, neuronal injury, and alteration of neuronal networks, depending on the type and duration of seizures. That repetitive seizures of SE reduce GABA type A receptor-mediated inhibition in key structures is well documented. However, the mechanisms that initiate abnormally prolonged seizures are poorly understood.

Conclusion: To understand the pathophysiology of SE and receptor trafficking is key to designing more effective future treatments that reduce mortality and prevent the development of chronic epilepsy.