



Excitotoxicity: Fundamental Concepts, Pathophysiology & Treatment Strategies (Paperback)

By -

Nova Science Publishers Inc, United States, 2013. Paperback. Condition: New. UK ed. Language: English. Brand new Book. Excitotoxicity is the pathological process in which neurons are damaged and killed by over-stimulation of the excitatory neurotransmitter glutamate receptors. Excitotoxicity may be involved in spinal cord injury, stroke, traumatic brain injury, hearing loss (through noise overexposure or ototoxicity) and in neurodegenerative diseases of the central nervous system (CNS) such as multiple sclerosis, Alzheimer's disease, amyotrophic lateral sclerosis (ALS), Parkinson's disease, alcoholism or alcohol withdrawal and especially benzodiazepine withdrawal, and also Huntington's disease. In this book, the authors discuss the fundamental concepts, pathophysiology and treatment strategies of excitotoxicity. Topics include the involvement of glutamate excitotoxicity in Parkinson's disease; the relevance of the excitotoxic process to schizophrenia; the role of glial cells during the regenerative process and possible strategies of treatment to avoid neuronal damage; and an overview of the current concepts related to the intermittent-hypoxia-induced excitotoxicity in obstructive sleep apnea (OSA) disease.



READ ONLINE
[4.87 MB]

Reviews

Absolutely among the finest book We have at any time read through. We have read through and that i am sure that i will going to read once more again later on. I found out this book from my i and dad suggested this book to find out.

-- **Alford McClure**

I actually started reading this article ebook. It is actually packed with knowledge and wisdom Its been printed in an remarkably simple way and it is only after i finished reading this pdf where in fact modified me, alter the way i believe.

-- **Prof. Uriel Witting**