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Research Paper

Behind the scenes safety matches stick head fuel burn odour smells usage traditionally to counteract seizures: Myths and facts data

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ABSTRACT

Seizure is an abrupt and uncontrolled electrical imbalance in the brain. The potassium chlorate in the head of match stick burnt fuel used as epilepsy reversal traditionally. Owing to potassium chlorate has the capability of the membrane potential becomes further negative at a specific spot on neurons membrane of the neuron via the movement of the chloride ions intracellularly through chloride channels. The 59 years male said if the patients go down suddenly from a standing/walking position, we bestowed the head of safety matches stick burn fuel odours smells to the patients owing to in the burnt fuel there is the medicine that we didn't known its name that counteract seizures hastily and made the victim conscious hurly-burly. The potassium chlorate acts as benzodiazepines by permitting further chloride ions channels to enter the neuron and making it even further reluctant to excitation.

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INTRODUCTION

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Epilepsy is a chronic neurologic disorder characterized by repeated epileptic seizures attacks which sequence from paroxysmal uncontrolled discharges of neurons within the central nervous system (Bereda, 2021). The seizures sequences when an abrubt imbalance happens between the excitatory and inhibitory forces within the network of cortical neurons in favor of an abrupt onset net excitation. Glutamate opening membrane channels to permit sodium or calcium to flow into the postsynaptic neuron, thus opening channels that let positive ions flow into the cell of it and transmitting the excitatory signal Gamma amino butyric acid attaches to neuronal membranes (Figure 1) and opens chloride channels and when chloride flows into the neuron, it becomes further membrane potential of a cell more negative at a particular spot on the neurons membrane and less excitable (Rho et al., 2010; Advanthava and Latoo). The head of safety matches are made of an oxidizing agent such as kclo₃ (potassium chlorate), mixed with sulfur, fillers and glass powder. The head of a safety match uses antimony trisulfide for fuel. Kclo3 assists that fuel burn and is basically the key to ignition. Kclo $_3$ down as kcl + 0 $_2$ this means delineated as k+ (potassium)-cl-(chlorine) + 0 $_2$ (oxygen) (Klapötke, 2019). Traditional myths the rationale behind the use of the safety matches head stick burn fuel odours smells to reverse /treat seizure traditionally to the victim fallen down on the street during standing/ walking without any known rationale.

Myth 1: The 42 years old male said "If the patients fallen on the street owing to epilepsy, we burnt the head of safety matches stick and made the victim as s/he smells the odour of burnt fuel because in the burnt fuel there are unknown chemicals that is capable to make epilepsy reverse and the victim free instantaneously from the seizure".

Myth 2: The 59 years male said" If the patients go down suddenly from a standing/walking position, we bestowed the head of safety matches stick burn fuel odours smells to the patients because in the burnt fuel, there is an unknown medicine that counteract seizures hastily and made the



Figure 1: Schematic exemplify of seizure pathophysiology or imbalance between excitatory and inhibitory neurotransmitters.

Figure 2: Structure of benzodiazepines.

victim conscious hurly-burly.

Myth 3: The 61 years female said" If the person walked on the road fallen down on the street without any known reason, we suspect seizure and to counteract it, we brought to him/her the safety matches head stick burn fuel odours as s/he smells owing to the fact that in the safety matches head stick burn fuel there is a concealed medication that serve as seizure reversal we used traditionally".

Myth 4: The 48 years male said" If the victim fallen on the street during walking/standing in the road as initial treatment, we bestowed the odour smells of safety matches stick head burn fuel owing to its capability to heal seizure quickly without delay, this wisdom is given to us by God as divine or nature, lither to now we use it as medications, but no scientist's attested its application, because it's hidden to them, owing to the fact that it is bestowed by God solely as wisdom to those who pray to him".

Facts: In epileptic patients potassium channels perhaps malfunctions and revamped genes encoding for molecules enclosed in potassium homeostasis. Potassium channels are affiliated to epilepsy syndromes on multiplexotherness levels, scaling from direct restrain of neuronal excitability and homeostasis of ion milieu to indirect outcomes via metabolism. A mass of ions flowing across neural membranes is generated when various voltage-gated channels are activated during seizures, thus, escalating the metabolic energy demand. Fast and sustained fluxes of potassium into the extracellular space could be accountable for seizure initiation and propagation, being capable to initiate great revamps in the reversal potential for distinctive ions (ION DA). The kclo3 in the head of match stick burnt fuel is used as epilepsy reversal traditionally.

Owing to the fact that kclo₃ has the capability of the membrane potential becomes further negative at a specific spot on neurons membrane of the neuron via the movement of the chloride ions intracellularly through chloride channels. Revamping or mutations in the distinctive chloride or potassium channel subunits or in the molecules that regulates their work perhaps influence the seizure levels at which it commences or the tendency for repeated seizures. Influence of chloride currents on the neuronal membrane potential escalates as the neuron becomes furtherof a cells membrane potential to anelse positive worth by the aggregation of the excitatory postsynaptic potentials. Changes of the normal state of the chloride channels perhaps escalate the membrane permeability and conductance of chloride ions (Cid et al., 2021).

Ultimately the behaviour of entire individual chloride channels summarize to conform a great chloride mediated a revamp in a cells membrane potential that makes it further negative current that counter balances the loss of the disparate in charge between the interior and exterior of the plasma membrane of a muscle or nerve cell currents created by the aggregation of the excitatory postsynaptic potentials (Payne et al., 2019). Gamma amino butyric acid sends its inhibitory message by attaching at special sites called gamma amino butyric acid-A receptors on the exterior of the taking neuron. Once gamma amino butyric acid is attached to the gamma amino butyric acid -A receptor, the neuron opens a channel which permits chloride ions to pass interior of the neuron. These negative chloride ions make the neuron less responsive to distinctive neurotransmitters which would normally excite it. Benzodiazepines also attach to their own receptors that are situated on the gamma amino butyric acid -A receptor (Figure 2). Combination of a benzodiazepine at this site acts

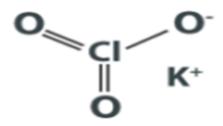


Figure 3: Structure of potassium chlorate.

as a booster to the actions of gamma amino butyric acid-A, permitting great chloride ions to enter the neuron, making it even further resistant to excitation (Stahl, 2021). The potassium chlorate also acts as benzodiazepines by permitting further chloride ions channels to enter the neuron and making it even further reluctant to excitation (Figure 3).

CONCLUSION

The seizures sequences when an abrubt imbalance happens between the excitatory and inhibitory forces within the network of cortical neurons in favor of an abrupt onset net excitation. The head of a safety match uses antimony trisulfide for fuel. Kclo3 assists that fuel burn and is basically the key to ignition. Kclo₃ decomposed as kcl + 0₂ this means delineated as k⁺-cl⁻ + 0₂. The 48 years male said" If the victim fallen on the street during walking/standing in the road as initial treatment, we bestowed the odour smells of safety matches stick head burn fuel owing to its capability of heal seizure quickly without delay, this wisdom if given to us by God as divine or nature, lither to now we use it as medications, but no scientist's attested its application, because it's hidden to them, owing to bestowed by God solely as wisdom to whom pray him as he brought this concealed wisdom". Influence of chloride currents on the neuronal membrane potential increases as the neuron becomes more of a cells membrane potential to a more positive value by the summation of the excitatory postsynaptic potentials.

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