



## REFLEX EPILEPSY FROM MOSQUITO BITE: A RARE CASE REPORT

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**ABSTRACT**

**Introduction:** Approximately, Among All Patients of Epilepsy, 5% Of Them Had Seizure That Are Triggered by Specific Sensory Stimuli Called Reflex Epilepsy. Among This the Seizure Trigger with Mosquitoes Are Quiet Rare. **Case Report:** Our Case Is 17 Year Old Girl Presented With Complain Of Abnormal Movement Of All 4 Limbs Preceded By History Of Mosquito Bite Or Skin Pinch . Seizures Are Followed By Loss Of Consciousness . The Finding Of Clinical , Neurophysiological And Neuroimaging Are Suggestive Of Reflex Epilepsy . There Is Good Response To Treatment With Valproate. **Discussion:** The Trigger For Epilepsy By Mosquito Bite Or Skin Pinch Has Rarely Reported ,Although Its Pathophysiology Remain Unknown But Possible Mechanism Is Due To Somatosensory Cortex Involvement . Patient Prognosis Is Usually Better Because Of Good Response To Pharmacological Treatment.

**KEYWORDS :****CASE REPORT**

A 17 year old with poor socioeconomic status presented with complain of abnormal movement of all 4 limbs after mosquito bite or skin pinching followed by loss of consciousness for 2-3 min with no post ictal confusion , no focal neurological deficit and no history of trauma . she had similar complaints since 1 year.

Seizures are preceded by sensory aura and then seizure at onset were focal that generalizes within 20-30 seconds. Patient pass stool and urine in her cloths with uprolling of eye ball.

On examinations- No signs of meningitis were present with plantar flexion and reflexes were normal.

On routine investigations - CBC/LFT/KFT/ELECTROLYTES are normal.

On EEG there is right temporo-parietal sharp waves discharges with slowing.

On neuroimaging – no significant finding were present

Patient is advised sodium valproate and clobazam . thereafter she didn't face any episodes of seizure.

**DISCUSSION**

Reflex seizures are epileptic events precipitated by external stimuli , internal mental process or both . some of them are light flashes , hot water, visual , vestibular , auditory or tactile stimulation or may be complex such as reading or listening to music.

Reflex seizure elicited by somatosensory stimulation are typically due to a specific stimulation such as rubbing , brushing , pricking . The preponderance of cases arises from specific hypersensitive cutaneous trigger zone . the seizures are usually focal onset begin with sensory aura followed by sensory jacksonian with tonic motor manifestation suggesting a supplementary motor area.

Identification of the offending stimuli has significant clinical implication in the management of patients because some of them may not need anything other than avoidance or modification of the precipitating factors.

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