

POSTER PRESENTATION

Open Access

# Clinical, EEG and neuroimaging features of ictal epileptic headache

NZR Radojkovic Gligic\*, KKK Kacar, SMA Atic, BWV Vekic

From The European Headache and Migraine Trust International Congress  
London, UK. 20-23 September 2012

## Introduction

Migraine and epilepsy have common pathophysiologic mechanisms and share essential and defining attributes which distinguish them from other common neurological disorders. They are both characterized by paroxysmal symptoms and are, therefore, episodic disorders. Occipital lobe to be the brain structures most responsible for development of migraine and occipital lobe epilepsies Both are characterized by visual symptoms followed by headache and other autonomic symptoms. Recognition of headache as an epileptic manifestation per se still represents a challenge.

## Methods

This study included consecutive 89 patients with IEH= ictal epileptic headache, at our hospital and our diagnostic department – MRI and EEG.

## Results

EEG recordings high voltage rhythmic 11-12 Hz activity with intermingled spikes over the right TO regions. Other –high voltage theta activity intermingled with sharp waves over occipital region. And third bilateral SWC. Brain MRI showed secondary brain lesion in the right TPO region with restricted diffusion in the right occipital region.

## Conclusion

IEH be used to classify the events in which headache represent the only ictal epileptic feature These rare cases should be classified as autonomic epilepsy.

Published: 21 February 2013

## References

1. European headache school. Belgrade; 2012.
2. Lennox WG, Lennox MA: *Epilepsy and related disorders* Little, Brown, Boston; 1960.
3. Perucca P, Teryaghi M, Manni R: *Status epilepticus migrainosus clinical electroencephysiologic, and imaging characteristics neurology*. 2010.
4. Teryano MG, Pietrini L, Milione FF: *Migraine and intercalated seizures with occipital EEG paroxysms: observations on a family. headache* 1986.

doi:10.1186/1129-2377-14-S1-P156

**Cite this article as:** Radojkovic Gligic et al.: Clinical, EEG and neuroimaging features of ictal epileptic headache. *The Journal of Headache and Pain* 2013 **14**(Suppl 1):P156.

Submit your manuscript to a SpringerOpen® journal and benefit from:

- Convenient online submission
- Rigorous peer review
- Immediate publication on acceptance
- Open access: articles freely available online
- High visibility within the field
- Retaining the copyright to your article

Submit your next manuscript at ► [springeropen.com](http://springeropen.com)

Hospital for cerebrovascular disease St. Sava, Serbia and Montenegro