

## POSTER PRESENTATION

## Open Access

# Childhood's chronic headache in children's national hospital of Albert Royer in Dakar

LB Seck<sup>1\*</sup>, NS Diagne<sup>1</sup>, AD Sow<sup>1</sup>, M Ndiaye<sup>1</sup>, L Gueye<sup>1</sup>, D Sow<sup>2</sup>, AG Diop<sup>1</sup>, MM Ndaiye<sup>1</sup>

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

## Introduction

Children's headaches are frequently primary. Their diagnosis is difficult because of anamnesis discomfort. Aetiologies are numerous, above all functional ones as migraine. As in adults, symptomatic headache has to be taken into account among these.

## Purpose

Our aim is to determine the clinical and aetiological features in a sample of children suffering from headache.

## Methods

This was a prospective study conducted at the Children National Hospital Albert Royer (CHNEAR) in Dakar. We included children aged 5-15 years, received in out-patient department for chronic headache. The marital status, personal and family past medical history, headache characteristics, physical examination data were searched and supplemented with additional tests according to the clinical context.

## Results

We collected 43 children. The sex ratio was 1.05 in favour of girls. The mean age was 10.68. Fifty-five point eight percent of them had familial past medical history of chronic headache in at least one of the two parents. It was localized headache in 76.19% of the cases and diffused in 21.42% of them. The most frequent localized headaches were frontal or fronto-orbital (35.71%), temporal (19.4%), hemicranial (16.66%). The main triggering factors were noisy atmosphere (60.40%), light (37.20%), fatigue (35%), heat (28%), and nervousness (25.50%). The brain CT- scan was performed in 25.50% of children and had returned normal except in one case. The EEG performed in 14 patients did not find any abnormality. Migraine was present in 58.13%

of cases, non specific headaches in 41.80% of cases, hypertension induced headache in one case (2.3%). Associated pathologies were psychomotor developmental delay (11%) and seizures (11.62%).

## Conclusion

Children chronic headaches are frequently primary ones, above all migraine. Sensory and psychic factors are the most frequent among triggering factors. As in adults, atypical features must lead to cerebral lesion research.

## Author details

<sup>1</sup>Fann Teaching Hospital, Senegal. <sup>2</sup>Albert Royer Children National Hospital, Senegal.

Published: 21 February 2013

## References

1. Esposito SB, Gherpelli JLD: Chronic daily headaches in children and adolescents: a study of clinical characteristics. *Cephalagia* 2004, **24**:476-482.
2. Gury C, Richard D, Azarias P: La migraine. *Cahier II* 2508 2003, **6**:13.
3. Demarkey G, Montavont A: Migraine et épilepsie: symptômes cliniques communs, comorbidité et mécanismes physiopathologiques. *Douleur et Analgésie* 2010, **3**:159-165.

doi:10.1186/1129-2377-14-S1-P33

Cite this article as: Seck et al.: Childhood's chronic headache in children's national hospital of Albert Royer in Dakar. *The Journal of Headache and Pain* 2013 **14**(Suppl 1):P33.

<sup>1</sup>Fann Teaching Hospital, Senegal

Full list of author information is available at the end of the article