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Cluster headache⁵ due to structural lesions: A systematic review of published cases

Long RJ *et al.*¹² Cluster headache due to structural lesions

Ru-Jin Long, You-Sheng Zhu, An-Ping Wang

Abstract

BACKGROUND

² Cluster headache (CH) is a severe incapacitating headache disorder. By definition, its diagnosis must exclude possible underlying structural conditions.

AIM

To ensure that there is not a potentially treatable structural lesion.

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...

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Feb 03, 2014 · Abstract. **Cluster headache** is a primary **headache** by definition not **caused** by any known underlying **structural pathology**. **Symptomatic cases** have been described, for example tumours, dissections and infections, but a causal relationship between the **underlying lesion** and the **headache** is difficult to determine in many **cases**.

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There have also been reports of CH and **cluster-like headaches** secondary to multiple sclerosis with a description of a **case related** to a pontomedullary **lesion** [16] and a **case** of secondary TACs ...

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Symptomatic cluster headache: a review of 63 cases Bengt Edvardsson Abstract Cluster headache is a primary headache by definition not caused by any known underlying structural pathology. Symptomatic cases have been described, for example tumours, dissections and infections, but a causal relationship between the underlying lesion and the headache is difficult to determine in many cases.

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Symptomatic cluster headache: a review of 63 cases ...

europepmc.org/articles/PMC3928394

Dec 01, 2013 · Cluster headache (CH) is a primary headache, by definition not caused by any underlying structural pathology and belonging to the group of **trigeminal-autonomic cephalalgias** (Headache Subcommittee of the International Headache Society 2004). ...

Prevalence of Familial Cluster Headache: A Systematic ...

<https://pubmed.ncbi.nlm.nih.gov/32334514>

Introduction: The population rate of familial cluster headache (CH) has been reported to be as high as 20% however this varies considerably across studies. To obtain a true estimate of family history in CH, we conducted a **systematic review** and meta-analysis of previously published data.

Cited by: 3 Author: Emer O'Connor, Benjamin S. Simpson, Henr...
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Trigeminal Autonomic Cephalgias Due to Structural Lesions ...

<https://jamanetwork.com/journals/jamaneurology/fullarticle/793093>

Jan 01, 2007 · In the remaining 27 cases from the literature 12,26,27,31-52 (including 2 of our own 51,52) and the 4 new cases, there was a significant improvement or even disappearance of the headache after therapeutic intervention aimed at the **structural lesion** (eg, surgery, embolization, radiotherapy, or medical therapy) . Sixteen of the 31 patients had a ...

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Cluster Headaches

Medical Condition

A series of extremely painful headaches that occur in cyclical patterns.

- Common (More than 200,000 cases per year in US)
- Requires lab test or imaging
- Treatment from medical professional advised
- Can last several years or be lifelong

The specific cause is unknown but abnormalities in the hypothalamus may cause this condition. Pallor, runny nose, extreme pain around one eye, eye swelling and tearing are the possible symptoms. Treatment includes pain relievers and surgery.

Symptoms

- Unilateral pain
- Pain in one eye
- Pain that radiates to the jaw
- Swelling in the affected eye
- Tearing
- Runny or a blocked nose
- Eye redness on the affected eye
- Facial sweating

The bouts of pain can occur 1 to 8 times in a day

Treatments

There is no cure for cluster headaches, Treatment decreases the pain, prevents an attack and shortens the duration of cluster headaches.

Medication

- Calcium channel blockers: Used to prevent cluster headaches. **Verapamil**
- Alkali metal: Used to prevent chronic cluster headaches. **Lithium**
- Corticosteroids: Acts by causing vasoconstriction. **Prednisone**
- Triptans: Aims at relieving pain. **Sumatriptan · Zolmitriptan**
- Somatostatin analogues: Medication aims at relieving pain. **Octreotide**
- Benzodiazepines: Act by producing a numbing effect. **Diazepam · Lorazepam · Midazolam**

Medical procedures: Occipital nerve stimulation

Causes

The cause is unknown; changes in hypothalamus may play a role. Factors that influence cluster headaches include:

- Allergens
- Stress
- Seasonal changes that occur in spring or autumn
- Male sex hormones
- Occasionally head trauma

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finding was that a proportion of cluster headache cases were associated with arterial dissection. Even typical cluster headaches can be caused by structural lesions and the response to typical cluster...

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Jan 01, 2007 · In the remaining 27 cases from the literature 12,26,27,31-52 (including 2 of our own 51,52) and the 4 new cases, there was a significant improvement or even disappearance of the headache after...

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Cluster Headache and Pituitary Prolactinoma | Edvardsson ...

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Cluster headache (CH) is a primary headache by definition not caused by any known underlying structural pathology. However, symptomatic cases have been described, for example, tumors, particularly pituitary...

Cited by: 3

Author: Bengt Edvardsson

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Cluster-Like Headache Secondary to Sphenoid Sinus Mucocele

<https://www.hindawi.com/journals/crinm/2018/5850286> ▾

Although the great majority of cases of cluster headache (CH) are primary, a small number of patients present an underlying structural lesion. The diseases most often associated with cluster-like headache

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