

078

**FAMILIAL MIGRAINE LIMB PAIN SYNDROME (MLPS):  
THREE GENERATIONS AND SEVEN YEAR FOLLOW-UP**

Heather Angus-Leppan,<sup>1,2</sup> Roberto Jaime Guiloff<sup>3,4</sup>. <sup>1</sup>*Department of Clinical Neurosciences, Royal Free London NHS Foundation Trust, London;* <sup>2</sup>*University College London;* <sup>3</sup>*West London Neurosciences Centre, Charing Cross Hospital, Imperial College Healthcare NHS Trust;* <sup>4</sup>*Faculty of Medicine, University of Chile*

10.1136/jnnp-2015-312379.78

We describe a family with migraine-limb pain syndrome (MLPS) in children and adults over three generations, in an autosomal dominant pattern.

MLPS is intermittent pain occurring in any limb, temporally related to a migraine episode, cluster headache or cluster migraine. It is usually ipsilateral to the headache, but can alternate and may spread with a migrainous march over 20 minutes or more. Body or chest pain (corpalgia) is also described. Limb or body pain may not coincide with headache at presentation. The association may be misdiagnosed as radiculopathy, thoracic outlet syndrome or arthritis.

There is one previous report of a family with childhood limb pain, followed by migraine in adulthood, in a pattern suggesting autosomal dominant inheritance.

We report a second family with three generations of MLPS starting in childhood or adulthood, with variable duration, commencing in any limb. All the patients with limb pain had concurrent or associated migraine with aura. Pain intensity in the previous family was mild, but poorly responsive to treatment. In our family the symptom was treatment responsive with variable intensity.

Convergence of nociceptive input from the trigeminovascular system in the cervical spinal cord, brainstem, thalamus and cortex is a possible physiological basis for MLPS.



# FAMILIAL MIGRAINE LIMB PAIN SYNDROME (MLPS): THREE GENERATIONS AND SEVEN YEAR FOLLOW-UP

Heather Angus-Leppan and Roberto Jaime Guiloff

*J Neurol Neurosurg Psychiatry* 2015 86: e4  
doi: 10.1136/jnp-2015-312379.78

---

Updated information and services can be found at:  
<http://jnp.bmj.com/content/86/11/e4.171>

---

## Email alerting service

*These include:*

Receive free email alerts when new articles cite this article. Sign up in the box at the top right corner of the online article.

---

## Topic Collections

Articles on similar topics can be found in the following collections

[Pain \(neurology\)](#) (708)  
[Headache \(including migraine\)](#) (424)  
[Musculoskeletal syndromes](#) (513)  
[Neuromuscular disease](#) (1250)  
[Peripheral nerve disease](#) (612)

---

## Notes

---

To request permissions go to:  
<http://group.bmj.com/group/rights-licensing/permissions>

To order reprints go to:  
<http://journals.bmj.com/cgi/reprintform>

To subscribe to BMJ go to:  
<http://group.bmj.com/subscribe/>