

# Novel Headband Device Prevents Migraine

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Source: Cephaly

Belgium-based Cefaly-Technology has developed a device that embraces transcutaneous electrical nerve stimulation ([TENS](#)) technology to prevent migraine—a technique more commonly associated with treatment of muscular pain and labour pains.

Dealing with migraine has historically been a difficult task with very few drug treatments available to market that are

globally effective. Treatment has historically been centered on analgesics, antiinflammatories and [Triptan-based medications](#). But all treatments are pharmaceutical based, are not appropriate for prophylaxis, and are mostly available only by prescription.

The [Cefaly](#) device, however, may provide a new option. Resembling a space-age headband, the device is battery operated and worn over the front of the forehead, similar to the visor worn by Geordi La Forge in Star Trek. The TENS transmitter, which is manufactured by STX-Med, connects to the body via a disposable electrode and using a conducting gel.

Activated with a single push-button action, the device produces short impulses to stimulate the trigeminal nerve branches. These nerve branches are located under the skin of the forehead, and stimulating them can effectively reduce the recurrence of migraine attacks if used on a regular basis, according to the developers.

The Cephaly device has been approved in Europe and Canada for prevention of migraine, and, in March 2014, has been FDA approved for use in the United States. Seemingly, it is an aesthetically pleasing, user-friendly design that leverages well-documented technology for a new indication.

Adele Graham-King