

Re: A Migraine Treatment Patients Can Really Sink Their Teeth Into

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- *From:* "Tim Dixon" <timgdixon-no-spam@xxxxxxx>
 - *Date:* Wed, 28 Dec 2005 08:37:23 -0800
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"Mark & Steven Bornfeld" <bornfeldmung@xxxxxxxxxxxxxxxx> wrote in message
[news:pWysf.1988\\$lv3.1436@xxxxxxxxxxxx](mailto:news:pWysf.1988$lv3.1436@xxxxxxxxxxxx)

> Mark & Steven Bornfeld wrote:

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>> Tim Dixon wrote:

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>>> From Practical Neurlogy, October 2005

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>>> By Andrew Blumenfeld, MD and James Boyd, DDS

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>>> Conventional pharmacotherapies for migraine headache can have
>>> undesirable systemic side effects, and medications currently accepted
>>> for prophylactic treatment (e.g., propranolol, amitriptyline, verapamil)
>>> rarely have a better than 55 percent efficacy. Furthermore, the
>>> potential teratogenic effects of some migraine prophylactic agents
>>> (e.g., divalproic sodium) make birth control a necessity in women of
>>> childbearing age. Along with these shortcomings, compliance becomes an
>>> issue; frequently, transformation to chronic daily headache occurs.

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>>> A new non-pharmacologic method for prophylactic treatment of medically
>>> diagnosed migraine pain as well as tension-type headaches, called the
>>> Nociceptive Trigeminal Inhibition Tension Suppression System, is an
>>> intra-oral device that reduces trigeminally-mediated muscular activity
>>> and the resultant noxious afferent input. In patients with migraine and
>>> tension-type headache, pericranial muscle tenderness (specifically of
>>> the temporalis) is a common complaint, frequently detectable upon
>>> palpation. Intraoral devices have been used to protect teeth from the
>>> intense hyperactivity of the trigeminally-innervated muscles of
>>> mastication, primarily the temporalis and masseter muscles.

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>>> These devices have no systemic effects and are thus safe in pregnancy,
>>> lactation and in elderly patients on multiple other medications. There
>>> are two types of intraoral devices now currently available: the
>>> traditional full-occlusal splints and dis-occlusion splints. The
>>> full-occlusal splint covers all of the teeth. Such splints still allow
>>> hyperactivity to perpetuate or intensi