

Algorithm, Clinical Highlights, Annotations:

Added a floating box stating that for information on adolescent headache treatment, refer to the new Special Circumstances section.

Added an additional Clinical Highlight statement that early treatment of migraines with effective medications improves a variety of outcomes.

Added an Introduction to discuss the prevalence of headaches and the length of the guideline. (Loder, 2010)

Added a Special Circumstances section following the Introduction to include specific adolescent content and information regarding use of medications in pregnancy and breastfeeding. (Linder, 2009; Lewis, 2009; Eccleston, 2009)

Modified the Scope of the guideline to state that patients suffering predominately from neck pain are outside the Scope of the guideline.

- 11) Updated the reference for the classification of headaches. (Olsen, 2006)
- 14) Separated the Modified Diagnostic Criteria Table into two sections: Episodic Headaches and Chronic Headaches. Also added Chronic Migraine, Medication Overuse Headache, and Hemicrania Continua to the table.
- 16) Removed the POUNDing Migraine Diagnosis Screening and Scoring System Table and instead inserted the reference into the text. (Detsky, 2006)

Changed the subtitle of Sinus headache to Sinusitis-associated headache.

- 20) Clarified the language under the Chronic Tension-Type Headache section to state that chronic tension-type headache is much less common than episodic type headache, it is more likely seen in clinical practice.
- 23) Added language to state that the use of available evidence-based decision support tools may be useful in determining specific neuroimaging for individual patients.
- 33) Added language about the benefit of early treatment of migraines with effective medications. (Valade, 2009)

Relocated discussion language that was originally in Appendix A as it relates to specific drugs to this annotation.

33-52) (Migraine Treatment Section)

Added information related to the use of almotriptan for adolescents. (Linder, 2008) Also moved medication list into a table.

37) Clarified the language related to avoiding the use of opiates and barbiturates. Also added information about the benefit of early treatment of migraines with effective medications. (Valde, 2009)

76) Added intranasal zolmi-triptan as an effective self-administered medication. (Law, 2010)

77) Updated reference for occipital block. (Ambrosini, 2005)

111) Within the estrogen-containing contraceptives section added information that in a contraceptive containing drospirenone, an extended 168 day placebo-free oral contraceptive regimen showed a significant decrease in duration, severity of headaches and loss of function due to headaches compared with a standard 21/7 oral contraceptive cycle (Sulak, 2007)

Removed doses in guideline under the GnRH agonists with “add back” therapy for leuprolide.

139) Added information related to the use of topiramate for prophylactic treatment of adolescents. (Lewis, 2009)

Moved medications into a table and added the medications from the former Appendix B into the table.

Modified Acupuncture section to state that adding acupuncture to patients getting only acute treatment for headaches reduced the number of headaches patients experienced. (Linde 2009)

Modified Biofeedback section to state that it has been used as adjunctive therapy for migraine and tension-type headaches. (Nestoriuc, 2008)

Changed the title of the Botulinum toxin A section to Onabotulinum Toxin and changed the content to state that it is FDA approved for the treatment of chronic migraine and that this approach would be used by headache specialists.

Added information in the Cognitive Behavioral Therapy section to state that psychological treatments are effective treatments for childhood headache. (Eccleston, 2009)

Added a new Physical Therapy section to state that craniocervical exercises have been shown to significantly reduce tension-type and cervicogenic headaches over a prolonged time frame. (Ettikoven, 2006, Jull, 2002)

Added language to the Cervical Manipulation section to state that a systematic review demonstrates that numerous deaths have been associated with high-velocity, short-lever thrusts of the upper spine with rotation. (Ernst, 2010)

Appendix A)

Added language to explain that the table lists only those drugs, their dosing, side effects, and contraindications that may be otherwise challenging to locate.

Removed drugs from the table that are easily found in other sources. Also matched the side effects and contraindications for DHE to be in the same order as that in the algorithm and annotation.

Moved the Adjunctive Therapy table to Appendix B.

Appendix B)

Removed original appendix and moved the adjunctive therapy table that was in Appendix A to Appendix B.

Appendix C)

Removed appendix and included medication content regarding pregnancy and breastfeeding in Special Circumstances section.

Priority Aims & Suggested Measures, Measurement Specifications

Aim #1 was clarified to state that it only includes patients age 12 years and older.

Aim #6 was reworded to clarify intent to avoid long-term prescribing opiates and barbiturates for the treatment of migraines.

Several measurement specifications added.