

Sidebar 2: Criteria for Determining Primary Versus Secondary Headache Disorders

Initial evaluation of headache should aim to determine whether a secondary cause for the headache exists or whether the diagnosis of a primary headache disorder is appropriate. Emergent evaluation should be considered based on red flag features In general, a secondary headache can be diagnosed if the headache is new and occurs in close temporal relation to another disorder known to cause headache. It can also be diagnosed when a preexisting headache disorder significantly worsens in close temporal relation to a causative disorder, in which case both the primary and secondary headache diagnoses should be given. ICHD-3 diagnostic criteria

General diagnostic criteria for secondary headaches:

- A. Any headache fulfilling C
- B. Another disorder scientifically documented to be able to cause headache has been diagnosed. Evidence of causation demonstrated by at least two of the followina
 - Headache has developed in temporal relation to the onset of the presumed causative disorder.
 - Either or both of the following: headache has significantly worsened in parallel with worsening of the presumed causative disorder or headache has significantly improved in parallel with improvement of the presumed causative disorder.
 - Headache has characteristics typical for the causative disorder.
 - Other evidence of causation exists
- C. Not better accounted for by another ICHD-3 diagnosis

The secondary headaches include headache attributed to trauma or injury to the head, neck, or both; cranial or cervical vascular disorder; non-vascular intracranial disorder: substance or its withdrawal: infection: disorder of homeostasis: disorder of the cranium, neck, eyes, ears, nose, sinuses, teeth, mouth, other facial or cervical structure; or psychiatric disorder.

Abbreviations: AUDIT-C: Alcohol Use Disorders Identification Test-Concise: CAGE: Cut, Annoved, Guilty, and Eye; ED: emergency department; GAD: Generalized Anxiety Disorder; HIT-6: Headache Impact Test, 6th edition; HIV: human immunodeficiency virus; ICHD-3: International Classification of Headache Disorders, 3rd Edition; MIDAS: Migraine Disability Assessment Test; MOH: medication overuse headache; MSQL: Migraine-Specific Quality of Life Questionnaire; PC-PTSD: Primary Care PTSD Screen; PHQ: Patient Health Questionnaire; PTSD: posttraumatic stress disorder; ROM: range of motion; STOP-BANG: Snoring history, Tired during the day, Observed stop breathing while sleep, High blood pressure, BMI more than 35 kg/m2, Age more than 50 years, Neck circumference more than 40 cm, and male sex; TTH: tension-type headache; UMN:

VA/DoD CLINICAL PRACTICE GUIDELINES

Sidebar 3: Common Primary Headache Disorders Abbreviated from the ICHD-3 criteria					Sidebar 4: Treatment Options for Tension-Type Headache ^b Treatment		Sidebar 6a: Pharmacologic Treatment Options for Migraine ^b	S
							Treatment	
Tension-Type Migraine Cluster			Cluster	Physical therapy ♦		Candesartan or telmisartan ♦	N1	
Headache Headache Headache				Aerobic exercise or progressive strength training		Lisinopril 🔶	Non-inv	
Headache Duration and Frequency	Duration	30 minutes to	4–72 hours	15–180 minutes			Valproate ♦	Galcane
	Duration	Duration 7 days 4–72 hours 15–180 minutes Amitriptyline ♦		Memantine	Verapa			
	Frequency	Variable	Variable	Once every other day to eight per day; often occurring at the same time of day	Ibuprofen 400 mg or acetaminophen 1,000 mg ↔		Atogepant ♦	Sumatri
							Rimegepant	Zolmitri
					Sidebar 5: Medication Overuse Headache Criteria		Levetiracetam	Oxygen
					ICHD-3 diagnostic criteria include:		Erenumab, fremanezumab, or galcanezumab ♦	,,,
Headache Characteristics	Severity	Mild to	Moderate to	Severe or very	A. Headache occurring on 15 or more da	vs per month in a patient with a	Propranolol	
		moderate	severe	severe Unilateral orbital,	 preexisting headache disorder B. Regular overuse for more than 3 months of one or more drugs that can be taken for the acute or symptomatic treatment of headache (see table below) C. No better accounted for by another ICHD-3 diagnosis 		Magnesium, oral ♦	
	Location	Bilateral	Unilateral	supraorbital, or temporal pain or any combination of such pain			Topiramate ◆	Acupun
							Fluoxetine or venlafaxine	
							Combination pharmacotherapy	CBT, bi
							Aspirin/Acetaminophen/Caffeine ++	Dietary
	Quality	Pressing or tightening, non- pulsating	Throbbing or pulsating	Stabbing, boring	Medication Overuse Headache Type	Medication Overuse Frequency	Eletriptan, frovatriptan, rizatriptan, sumatriptan (oral or subcutaneous), the combination of sumatriptan/naproxen, or zolmitriptan *	Dry nee
					Butalbital overuse	≥5 days/month for >3 months	Acetaminophen, aspirin, ibuprofen, naproxen, or oral solution celecoxib *	Immund
	Aggravated by routine physical activity	Not aggravated by routine activity	Aggravated by routine activity	Causes a sense of agitation or restlessness; routine activity might improve symptoms		,	Rimegepant or ubrogepant ++	Fluoxeti
					Opioid overuse	≥8 days/month for >3 months	Lasmiditan **	IV meto
					Triptan overuse	≥10 days/month for >3 months		^b For the
					Ergotamine overuse		Sidebar 6b: Infusion/Procedural/Invasive and Non-pharmacologic Treatment Options for Migraine ^b	Headad
	Photophobia						Treatment	exclude
Associated Features	and phonophobia	Can have one but not both	Both	Variably present	Combination-analgesic overuse (any		OnabotulinumtoxinA ◆	 indicat
					combination of classes, not to include combinations that only include non-		GON block ♦/♦♦	abortive
	Nausea, vomiting, or both	Neither	Either or both	Might be present	opioid analgesics) ^c		Pulsed radiofrequency of upper cervical nerves or sphenopalatine ganglion	
							block ♦	
Other Features	Autonomic features	None	May occur, but are often subtle and not noticed by the patient	Prominent autonomic features ipsilateral to the pain (see Appendix B in full VA/DoD Headache CPG)	Non-opioid analgesic overuse (e.g., aspirin, NSAIDs, acetaminophen, steroids, and combinations of non- opioid analgesics) ≥15 days/month for >3 months	Eptinezumab IV ♦		
						≥15 days/month for >3 months	Physical therapy ♦	Access t are avail
							Aerobic exercise or progressive strength training	https://w
							Neuromodulation ♦/♦♦	<u>1111ps.//w</u>
					^c Combination-analgesic refers to a headache abortive medication that contains more than one active ingredient and may refer to over-the-counter or prescription agents.		SON block ++	
							IV antiemetics (e.g., chlorpromazine, metoclopramide, prochlorperazine), IV magnesium, or intranasal lidocaine ◆◆	

Abbreviations: CBT: cognitive behavioral therapy; CPG: clinical practice guideline; GON: greater occipital nerve; ICHD-3: International Classification of Headache Disorders, 3rd Edition; IV: intravenous; mg: milligram; NSAID: nonsteroidal anti-inflammatory drug; SON: supraorbital nerve

September 2023

Sidebar 7: Treatment Options for Cluster Headache^b

Treatment

vasive vagus nerve stimulation ++

ezumab 🔶

mil 🔶

riptan subcutaneaous 🔶

iptan nasal spray ++

therapy ++

Table 1: Treatment Options for Headache in General

Treatment

ncture

iofeedback, or mindfulness-based therapy

^r trigger avoidance

edling

oglobulin G antibody testing

tine or venlafaxine

oclopramide, IV prochlorperazine, or intranasal lidocaine 🔶

e full recommendation language, see Recommendations in the full VA/DoD che CPG. Weak against and Strong against recommendations have been led from this table.

tes preventive treatment; ++ indicates abortive treatment; +/++ indicates and preventive treatment

to the full guideline and additional resources ilable at the following link: www.healthquality.va.gov/guidelines/headache

