



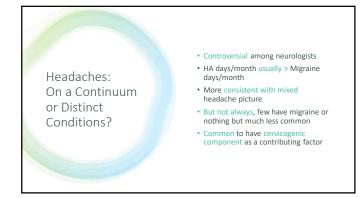
First, We Must Diagnose: Chronic Migraine ICHD-3 Criteria A. Migraine on ≥15 days/month for >3 months that fulfill criteria B AND C B. at least 5 attacks fulfilling criteria B-D for migraine without aura and/or criteria B and C for migraine with aura C. On ≥8 days/month for >3 months, fulfilling any of the following:

Concerna B and C for migraine with aura C. On 28 days/month for >3 months, fulfilling any of the following: 1. criteria C and D migraine without aura 2. Criteria B and C for migraine with aura 3. Believed by patient to be migraine at onset and relieved by a triptan or ergot derivative

D. Not better accounted for by another diagnosis





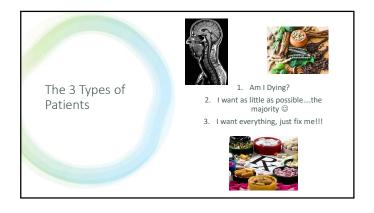




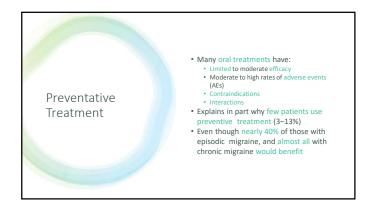
		Sign or symptom	Related secondary headaches (most relevant ICHD-3b categories)	Flag color
	$-\overline{z}$	Systemic symptoms including fever	Headache attributed to infection or norwascular intracranial disorders, carcinold or pheochromocytoma	Red (prange fo isolated fever)
	2	Neoplasm in history	Neoplasms of the brain; metastasis	Fed
Red Flag	3	Neurologic deficit or dysfunction (including decreased consciousness)	Headaches attributed to vascular, nonvascular intracranial disorders; brain abscess and other infections.	Red
Detection Tool		Onset of headache is sudden or abrupt	Subaradmoid hemorrhage and other headaches attributed to cranial or cervical vascular disorders	Red
	•	Older oge (after 50 years)	Gaiert cell arteritis and other headache attributed to tranial or cervical vascular disorders; neoplasms and other nonvascular intracranial disorders	Red
for Secondary	•	Pattern change or recent onset of headache	Neoplasms, headaches attributed to vascular, norwascular intracranial disorders	Red
Headaches	- <u>r</u>	Positional headache	Intracranial hypertension or hypotension	Red
nedddenes		Precipitated by sneeting, coughing, or exercise	Posterior fossa malformations, Chiari malformation	Red
	9	Papillederra	Neoplasms and other nonvascular intracranial disorders; intracranial hypertension	Red
	10	Progressive headache and atypical presentations	Neoplasms and other nonvascular intracranial disorders	Red
		Pregnancy or puerperlam	Headaches attributed to cranial or cervical vascular deorders; postdaral puncture headache; hypertension-related disorders (e.g., preeclampsia); cervitral sinus thrombosis; hypothyroidism; anerria; diabetes	Red
	12	Painful eye with autonomic features	Pathology in posterior fossa, pituitary region, or cavernous sinus; Tolosa-Hunt syndrome; ophthalimic causes	Red
	13	Posttraumatic onset of headache	Acute and chronic postsournatic headache; subdural hernatorna and other headache attributed to vascular disorders	Red
	14	Pathology of the immune system such as HIV	Opportunistic infections	Red
	15	Painkiller overuse or new drug at onset of headache	Medication overuse headache; drug incompatibility	Red
	NS	breviation: ICHD-3b = International Classific	ation of Headache Disorders 3b. ted secondary headache, and distribution in red and orange flags.	

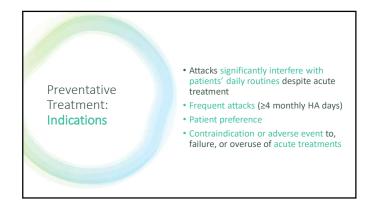


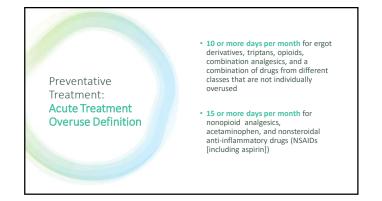






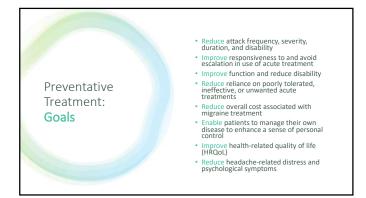






luentinying	g Patients for Preventat	
Prevention should be	Headache days/month	Degree of disability required*
Offered	6 or more	None
	4 or more	Some
	3 or more	Severe
Considered	4 or 5	None
	3	Some
	2	Moderate

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	Evidence of efficacy	Medical Professional Experience
Factors in	Tolerability	Patient preference
	Headache Subtype (episodic or chronic)	Comorbid and coexistent illness
Optimal Drug Selection of	Concomitant medications	Physiological factors (heart rate, blood pressure, etc)
Prevention	Body habitus	Pregnancy or the potential for pregnancy among women
	Ease of use	Response to previous treatments
	Contraindications/Allergies	Cost/Insurance coverage

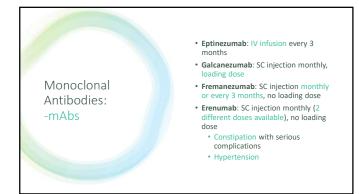
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	Established efficacy	Probably effective
	Monoclonal antibodies: Eptinezumab Galcanezumab Fremanezumab Erenumab	Antidepressants: Amitriptyline Venlafaxine
Preventative	CRGP inhibitors: Rimegepant	Beta-Blockers: Atenolol Nadolol
Treatments With Evidence of Efficacy in	Antiepileptic drugs: Divalproex sodium Valproate sodium Topiramate	ACE inhibitors: Lisinopril
Migraine Prevention	Beta-blockers: Metoprolol Propranolol Timolol	Alzheimers/Dementia: Memantine
	Triptans: Frovatriptan (menstrual migraine only)	
	OnabotulinumtoxinA	OnabotulinumtoxinA +CGRP mAb
	Angiotensin receptor blockers: Candesartan	

## Monoclonal Antibodies

- Collection of identical proteins
- Target either CGRP or the CGRP receptor
- Given by SC injection or IV infusion
- Because they are large molecules, they take longer to start working
- May achieve rapid treatment effects over days to weeks
   Work in the lining of the brain rather than
- Work in the lining of the brain rather than in the brain itself
  Tend to have few drug interactions
- Unlikely to cause liver or kidney damage
- Effective in patients who have failed prior preventive treatment, as well as in those on concurrent oral preventive treatments





## Monoclonal Antibodies: Indications for Initiating Treatment

- Use is approved when ALL of the following are met:
   Patient is at least 18 years of age
   Diagnosis of migraine with or without aura (4-7 monthly HA days) and both of the following:

   Inability to tolerate (due to SE) or inadequate response to a 6-week trial of at least 2 RX from table 1:
   ANN

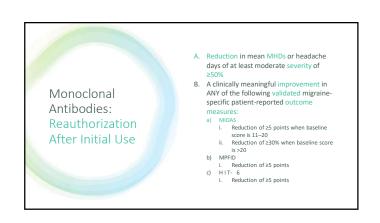
   2. Divalproex sodium/valproate

  - At least moderate disability (MIDAS>11, HIT-6>50)
- A K least moderate disability (MIDAS-11, HIT-6>50)
   Liganosis migraine with or without aura (3–14 monthyl HA days) AND inability to tolerate
   (due to SE) OR inadequate response to a 6-week trial of at least 2 RX from table 1:
   a) Inability to tolerate (due to SE) OR inadequate response to a 6-week trial of at least
   2 RX from table 1:

- 3. Beta-blocker 4. Tricyclic antidepressant 6. Other Level A or B treatments (established efficacy or probably effective) according to AAN-AHS guideline

Table 1 1 Toniramate

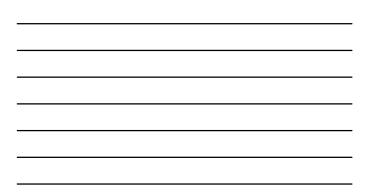
b) Inability to tolerate or inadequate response to a minimum of 2 quarterly injection (6 months) of onabotulinumtoxinA







	MIDAS Scoring	
MIDAS Grade	Definition	MIDAS Score
1	Little or No Disability	0-5
II	Mild Disability	6-10
Ш	Moderate Disability	11-20
IV	Severe Disability	21+







Assessment of Acute Treatment for Migraine			
Established efficacy	Probably effective		
Triptans	Ergotamine and other forms of DHE		
Ergotamine derivatives			
Gepants			
Lasmiditan	NSAIDs: flurbiprofen, ketoprofen, IV & IM ketorolac		
NSAIDs: aspirin, celecoxib oral solution, diclofenac, ibuprofen, naproxen	IV Magnesium: in migraine with aura		
Combination analgesic: acetaminophen + aspirin + caffeine	Isometheptene-containing compounds		
Consider <b>neuro-modulatory devices</b> for patients who prefer nondrug treatments or in whom treatment is ineffective, intolerable or contraindicated	Antiemetics: chlorpromazine, droperidol, metoclopramide, prochlorperazine, promethazine		





