

1 - 2:15 pm

Migraine Headaches: Tools for Successful Management

**SPEAKER** 

M. Susan Burke, MD, FACP

# primed

#### **Presenter Disclosure Information**

The following relationships exist related to this presentation:

► M. Susan Burke, FACP, MD: Speakers Bureau for Merck & Co., Inc.

#### Off-Label/Investigational Discussion

► In accordance with pmiCME policy, faculty have been asked to disclose discussion of unlabeled or unapproved use(s) of drugs or devices during the course of their presentations.

## Migraine Headaches: Tools for Successful Management

M. Susan Burke, MD, FACP Clinical Associate Professor Sydney Kimmel Medical College of Thomas Jefferson University

#### **Learning Objectives**

- Improve the identification of migraines in the patient with recurring HA and disability.
- Apply the latest evidence-based recommendations for preventive and abortive migraine treatment.
- Recommend complementary and alternative therapies when indicated.

# An Old Problem

- Trepanation to relieve headache carried out since 7,000 years BC
- 20-cm long stone chisel used to penetrate skull to relieve pain; some have had multiple procedures
- Hippocrates wrote specific instructions regarding methods to performing trepanation for headache

http://www.trepan.com/history.html. Accessed 5/13/0

# Burden of Disease A Seven Class Disability Rating System

Disability Class	Severity Weight	Indicator Conditions
1	0.00-0.02	Vitiligo of face, weight for height less than 2 SDs
2	0.02-0.12	Watery diarrhea, severe sore throat, severe anemia
3	0.12-0.24	Radius fracture in a stiff cast, infertility, erectile dysfunction, rheumatoid arthritis, angina
4	0.24-0.36	Below-the-knee amputation, deafness
5	0.36-0.50	Rectovaginal fistula, mild mental retardation, Down syndrome
6	0.50-0.70	Unipolar major depression, blindness, paraplegia
7	0.70-1.00	Active psychosis, dementa, severe migraine, quadriplegia

Menken M, Munsat TL, Toole JF. Arch Neurol. Mar 2000;57:418-420

#### Why We Should Care About Migraines?

- They produce severe disability<sup>1,2</sup>
- Are underdiagnosed and undertreated, often resulting in chronic migraine<sup>1,2</sup>
- Suboptimal "acute quick-fixes" & overuse of any drug may lead to chronic migraines<sup>3,4</sup>
- Frequent migraines can produce brain changes, CV morbidity and mortality<sup>5,6</sup>

Lipton RB, et al. Headache. 2001;41:646-57.
 Bigal ME, et al. Cephalalgia. 2006;26:43-49.
 Scher AL, et al. Pain. 2003;16:81-89.
 Bigal ME, Lipton RB. Headache. 2006;46:1334-43.
 Kruitt, et al. JAMA 2004; 291: 427-34.
 Kurth T, et al. JAMA 2004; 291: 427-34.

# What else do you need to know?

#### Rita, a 31-year-old mother

- Asks for help with her sinus headaches. She has been getting them for several years but they are occurring almost daily now
- Predominantly frontal and maxillary in location; not throbbing
- Takes acetaminophen almost daily, along with pseudoephedrine preparations and occasional loratadine when she has watery eyes and nasal congestion

#### Headache Screening: Traditional History Method

#### Timing/Frequency

 First onset/duration/time of day/ relationship to menses

#### **Exacerbating factors/triggers**

 Activity, cough, neck position, foods, alcohol, sleep, etc.

## Location

Variable, fixed site, hemicranial

#### Intensity

Severity, disability

#### Nature

- Pulsatile, "ice pick," steadily increasing

Diagnosis and Treatment of Headache. Bloomington, MN: Institute for Clinical Systems Improvement (ICSI); 2009

# Headache Screening: Standard Examination

- · Observe the patient walking
- Assess symmetry of CN, motor, sensory, coordination, DTRs
- Observe patient's body language (eye contact, mood)
- · Palpate head, arteries, trigger points
- · Examine neck for stiffness and ROM
- · Perform fundoscopic exam
- · Examine oral cavity/TMJ

Diagnosis and Treatment of Headache. Bloomington, MN: Institute for Clinical Systems Improvement (ICSI); 2009.

#### **Red Flags and SSNOOP**

Associated

symptoms

Visual

- Motor

- Nasal

- GI

- Sensory

- > Systemic symptoms: fever, weight loss
- > Secondary risk factors: HIV, cancer
- > Neurologic symptoms or signs
- ➤ Onset: new, sudden, abrupt, or split-second
- ➤ Older: especially > 40 years
- > Pattern change:
  - Progressive HA with loss of HA-free periods
  - HA changes type or is unclassifiable

Diagnostic testing indicated if any red flags are present

Dodick D. Adv Stud Med. 2003;3:87-92.

#### **Green Flags and Comfort Signs**

- ➤ Stable pattern > 6 mo
- ➤ Long-standing HA history
- > Family history of similar HA
- ➤ Normal exams
- > Consistently triggered by
  - Hormonal cycle
  - Specific sensory input
  - Weather changes

Diagnostic testing not indicated if only green flags present

#### **Diagnostic Tests**

CT or MRI? With or without contrast?

- Yield minimal without neurologic signs: < 1%</li> identify cause for HA
- · MRI: greater detail, more false positives
- · MRI for posterior fossa disease
- MRI + MRA for suspected aneurysm/other vascular lesions
- > CT without contrast to R/O subarachnoid hemorrhage
- >Weigh radiation exposure with CT, renal contrast concerns with CT and MRI vs. potential yield of study

er A, Brown R, eds. Adams and Victor's Principles of Neurology. Eighth ed. New York, NY: McGraw-Hill; 2005:16-

## Sinus Headache = Migraine With Sinus **Symptoms**

Summit<sup>1</sup>  $SAMS^2$ 

Sinus Allergy & Migraine Self-Diagnosis Sinus

Study Study

100 with self-diagnosed

2971 with self-diagnosed recurrent sinus headache recurrent sinus headache

86%-88% with self-diagnosis of sinus headache actually have ICHD\* migraine or probable migraine headache

\*International Conference Headache Disorders/International Headache Classification from International Headache Society (ICS)3

hreiber CP, et al. Arch Intern Med. 2004;164(16):1769-1772. oss E, et al. Headache. 2007;47(2):213-224. ernational Headache Society. IHS Classification ICHD-II. http

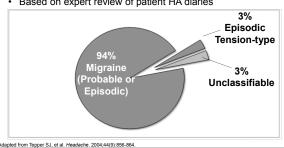
#### Criteria for True "Sinus" Headache

- Major factors
  - Purulence in nasal cavity on exam
  - Facial pain/pressure/congestion
  - Nasal obstruction/blockage/discharge
  - Fever (in acute only)
  - Hyposmia/anosmia
- Minor factors
  - Headache - Dental pain
  - Fever - Cough
  - Ear pain/pressure/fullness - Halitosis
  - Fatigue

American Academy of Otolaryngology- Head and Neck Surgery. Lanza, et al. Otolaryngol Head Neck Surg.1997;117 (pt 2) S1-S7.

#### **HA Prevalence in Primary Care**

- Prevalence of all HAs that prompt patients to see their **PCP**
- · Based on expert review of patient HA diaries



Recurring moderate to severe headache is migraine until proven otherwise

#### Migraine Recognition by ICHD Criteria

#### Migraine without Aura (1.1)

- At least 5 attacks with:
- At least 2 of the following:
  - Unilateral
- Pulsating
- Moderate to severe pain
- Aggravated by or avoidance of routine physical activity
- At least 1 of the following
  - Nausea and/or vomiting
- Photo and phonophobia
- No organic disease

#### Migraine with Aura (1.2.1-6)

- At least 2 attacks with:
- At least 1 fully reversible symptom without motor
- Visual + and/or
- Sensory + and/or -
- Dysphasic speech
- At least 2 of the following:
- At least one aura symptom develops gradually over ≥5 min or different symptoms occur in succession over >5 min
- Each symptom lasts ≥5 and ≤60
- 1.1 begins with aura or in ≤60 min
- No organic disease

## International Headache Society Criteria for Chronic Migraine

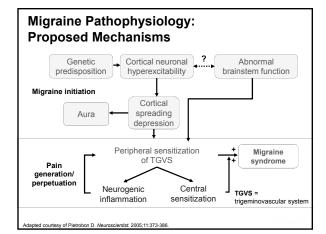
- A. HA≥15 days/mo for ≥ 3 months
- B. Occurring in those with ≥ five attacks c/w migraine w/o aura
- C. On ≥8 days per month for ≥ 3 months HA fulfilled C1 and/or C2:
  - 1) Has at least two:
    - a) unilateral location

    - b) pulsating quality c) moderate or severe pain intensity d) aggravated by/causing to avoid routine physical activities

#### And at least one:

- a) nausea and/or vomiting
- b) photophobia and phonophobia
- 2) Treated and relieved by triptan(s) or ergot before expected development of C1 above
- No medication overuse and not attributed to another disorder

sification.org/en/02\_klassifikation/05\_anhang/01.05.01\_anhang.html. Accessed April 22. 2013.



## **Understanding the Patient With Migraine**

Commonly reported symptoms at various phases of migraine

Prodrome
Fatigue
Cognitive difficulty
Heightened sensory
awareness
Muscle pain
Food craving
Fluid retention
Mood changes
Anorexia
Nasal congestion

<u>Aura*</u>
Scotoma
Fortification spectrum
Paresthesias
Weakness
Vertigo
Tinnitus
Dysarthria

\*Symptoms utilized by the International Headache Society's diagnostic criteria for migraine

# **Understanding the Patient With Migraine**

Commonly reported symptoms at various phases of migraine (continued)

<u>Mild</u>
Dull headache
Pressure
Mild sensory sensitivity
Sinus
congestion/pressure
Muscle pain
Anorexia
Fatigue
Aura

\*Symptoms utilized by the International Headache Society's diagnostic criteria for migraine

Moderate/Severe
Throbbing headache*
Headache aggravated
by activity*
Nausea*
Vomiting*
Photophobia*
Phonophobia*
Osmophobia
Fatigue
Aura
Lacrimation
Rhinorrhea

Cognitive impairment

<u>Postdrome</u> Fatigue Anorexia Poor concentration Muscle pain

#### Migraine-Associated Nausea

- · Nausea is the single most important symptom identifier for migraine
- Validated in community-based, college student, neurology clinic and headache

Overall sensitivity: 81% Overall specificity: 83%

Martin VT, et al. Headache. 2005;45:1102-1112

# Closing the HA Diagnosis Gap ID Migraine™ – A Validated Screener

#### Choose Yes or No

- When you have a HA, do you feel nauseated or sick to your stomach?
- > When you have a HA, does light bother you (a lot more than when you don't have a HA)?
- During the last 3 months, have your HAs limited your ability to work, study, or do what you needed to do?

2/3 Yes for migraine: Sensitivity: 0.81 Specificity: 0.75

Positive predictive value of 93% in primary care setting

Lipton RB, et al. Neurology. 2003;61(3):375-382

# Closing the HA Diagnosis Gap: POUND Mnemonic

POUND mnemonic useful for the diagnosis of migraine:

- Pulsatile
- One-day duration (episodes lasting 4-72 hours if untreated)
- Unilateral
- · Nausea/vomiting
- Disabling

The likelihood ratio (LR) for migraine by the number of POUND criteria:

4 of 5 criteria: LR(+) = 24 3 of 5 criteria: LR(+) = 3.5 2 or fewer criteria: LR(-) = 0.41

Detsky ME, et al. JAMA. 2006;296:1274-1283.

Γŀ	ne MIDAS Questionnaire	
1	On how many days in the last 3 months did you miss work or school because of your <b>headache</b> ?	Days
2	How many days in the last 3 months was your productivity at work or school reduced by half or more because of your <b>headaches</b> ? (Do not include days you counted in question 1 where you missed work or school)	Days
3	On how many days in the last 3 months did you not do household work because of your headaches?	Days
4	How many days in the last 3 months was your productivity in household work reduced by half or more because of your <b>headaches</b> ? (Do not include days you counted in question 1 where you did not do household work)	Days
5	On how many days in the last 3 months did you miss family, social, or leisure activities because of your <b>headaches</b> ?	Days
	Score: Little or no disability (0-6 ) → severe disability (21+)	
A	On how many days in the last 3 months did you have a headache? (If a headache lasted more than 1 day, count each day)	Days
В	On a scale of 0-10, on average, how painful were these headaches? (Where 0=no pain at all and 10=pain as bad as it can be)	
_	PR et al. /4M4_2000:284:2599,2605	

# Rethink Your Approach to Headache Complaints

- · Ask open ended questions:
  - "Describe your worst headache"
    - If it's a migraine, then that's their diagnosis
      - Don't think they have different HAs like sinus, tension and migraine
  - "How do you feel between headaches?"
    - If not normal, they likely have a migraine and may also have transformed or have chronic migraine
- Use a migraine screener, then move forward with treatment plan

#### **Clinical Pearls**

- Migraine patients can experience many different types of HAs from the same underlying mechanism
- Prompt treatment may restore normal neurologic function and prevent the evolution of episodic to chronic HA

#### **Principles of Migraine Management**

- Establish realistic expectations
  - –≈50% reduction with prevention
  - ≥70% relief with acute treatment
- THERE IS NO "CURE"!

#### **Principles of Management for the Patient**

- · Encourage patients to participate in their care
  - Accept that some Rx side effects are inevitable
  - Optimize behavioral management
  - Acute: Treat early, ≤2 days/week or 9 days/mo.
  - Prevention: follow guidelines for drug/complementary/alternative treatments
  - Regular patient follow-up with dose/drug/combination changes as needed

#### Roger, a 31-year-old CPA

- Has history of very occasional migraines since his early twenties which he manages with a triptan
- Started new job 6 months ago, requiring him to work long hours
- Headaches have increased and now occur on most weekend days for the last few months

What might be contributing to the increase in his headaches?

#### **Behavioral Strategies**

- Sleep 6 to 8 hours, consistent within 1 hour to bed/rise (even weekends!)
- Exercise Any better than none; aerobic >> nonaerobic
- 3. Stress management— Biofeedback/relaxation, cognitivebehavioral, time management
- ISubstance use Taper caffeine to maximum 1-6 oz cup – Eliminate artificial sweeteners, decongestants, smoking
- **5. Eat** Fresh, non-processed, small, frequent healthy meals/snacks

# Headache Diary and Calendar

- Have patient note HA characteristics, including intensity, timing, duration, <u>triggers</u> and medications used
- Consider withdrawal of all processed foods for 1-2 weeks; if HAs are better, reintroduce individual additives slowly

# **Management of Migraine with Behavioral Strategies**

Evidence-based Medicine Specific Treatment Recommendations

- ✓ All types: eg, relaxation, EMG biofeedback, cognitive behavioral therapy - may be considered as treatment options for prevention (Grade A)
- ✓ Behavioral therapy combined with preventive drug therapy achieves additional improvement (Grade B)

Courtesy of Donald Penzien, PhD, US Headache Consortium Guidelines, 2000. www.aan.com/professionals/practice/pdfs/gl0089.pdf. Accessed March 21, 2005

#### **Abortive Treatments**

- Administer early, rapidly, and consistently
   ideally within 15 minutes
  - Minimizes use of backup and rescue medication
- Consider formulation (route, onset, duration of action) based on symptoms
- Note: can't "cure" every HA with "quick fixes"
   Takes time, patience, and follow-up
- Avoid both under treatment and overtreatment with acute medications

Cady R, et al. Headache. 2004;44:426-435.

#### **Abortive Agents: General Principles**

- Treat 2-3 attacks with agent to assess efficacy
  - If little success, consider:
    - · Different agent or route in same class
    - · Adding co-therapy
    - · Switching to different class
- Use abortive agent no more than
  - 2-3 days/week
  - 9 days/month
  - 12-15 doses/month of anything

Evidence-Based Guidelines for Migraine Headache in the Primary Care Setting: Pharmacological Management

#### **Abortive Agents**

Evidence-based guidelines adopted by AAFP, ACP-ASIM, and AAN

- First line: NSAIDs
- Triptans (or dihydroergotamine) for NSAID intolerance/unresponsiveness
- No evidence for butalbital compounds in migraine
- Little evidence for isometheptene compounds
- Opioids "reserved for use when others cannot be used"
   May worsen central sensitization; should be avoided
- Metoclopramide recommended for oral therapies as prokinetic if gastric stasis present\*

AAFP = American Academy of Family Physicians. ACP-ASIM = American College of Physicians-American Society of Internal Medicine. ANN = American Academy of Neurology.

\* European Headache Federation recommendation

Snow V, et al. Ann Int Med. 2002;137 840-849; Jakubowski M, et al. Headache. 2005;45:850-861

## **Triptan Selection**

- · Start with formulary agent; generics available for some
- Chose formulation: oral, wafer, nasal, SC, based on symptoms or HA presentation
  - Oral formulations more alike than different
  - Use early when HA still mild, if possible
  - Optimize dose (typically maximum)
- Avoid if ≥ 3 cardiac risk factors, uncontrolled hypertension, severe liver disease

SC = subcutaneous

#### **Combination Abortive Therapies**

- · Consider drugs which may complement each other
  - Triptan + NSAID
  - Acetaminophen/ASA/caffeine
  - NSAID + caffeine
  - Metoclopramide + triptan or NSAID or ASA
- · Tailor to coincident symptoms

Silberstein SD, et al. Postgrad Med. 2006, Apr., Spec No: 20-6

#### **Migraine Prevention**

Many patients qualify, few are chosen....

...Offer preventive treatment early

# **Guidelines for Initiating Migraine Prevention Therapy**

- ≥2 attacks/mo with disability totaling >3 d/mo
- Recurring HA significantly interfering with patient's daily routine despite acute Rx
- Acute medications overused >2 d/wk, ineffective, intolerable side effects, or contraindicated
- Presence of uncommon migraine conditions: hemiplegic migraine, prolonged aura
- Patient preference, cost considerations or intolerance to acute agents

Ramadan NM. Evidence-based guidelines. http://www.aan.com. Accessed December 18, 2007; Silberstein SD, et al. Wolff's Headache and Other Head Pain. 2001.

#### **Goals of Prevention**

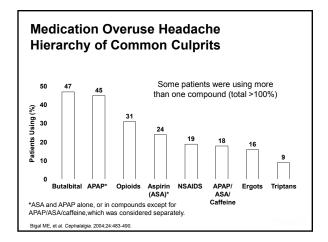
- 1. Fewer HAs
  - Best expectation: 50% reduction in ~50% of HAs
- 2. More/better response to acute "quick fix" drugs
  - Reduced HA impact (duration, intensity, symptoms)
- 3. Restoration of function
  - Less disability related to work/family/home activities

Silberstein SD. Curr Opin Neurol. 2005;18:289-292

# Medication-Overuse Headache (Formerly Rebound Headache)

- · A pharmacologically maintained HA
- >15 d/mo with HA
- Regular acute drug use >10 d/mo (>15 d for simple analgesics) for >3 mo
- · HA worsens over time of overuse
- HA resolves or reverts to previous pattern within 2 mo of overuse elimination

http://www.americanheadachesociety.org/assets/1/7/Stephen\_Silberstein\_-\_Medication\_Overuse\_Headache.pd Accessed April 7, 2013



#### **Prevention Opportunities**

- · Preventive treatment can be:
  - Preemptive or prodromal
     (eg, migraine induced by exercise—use indomethacin
     1-2 h prior to exercise but don't overuse!)
  - Short-term or cyclic (eg, air travel or menstrual related—NSAID, triptan, or hormonal intervention)
  - Long-term (eg, >8-9 d/mo with HA; control for 12 mo)

Lane, JC. Semin Neurol. 2000;20:195-200

#### **Prevention: General Concepts** Start Eliminate Go very, Persist. med very slowly very persist, low dose overuse persist Slowly 1 to (even half Maintain 8-12 50% Set limit of the dose) weeks to improvement ≤ 9 acute drug days assess benefit; or if beneficial, use unacceptable per month 6-12 months side effects target dose! erstein, SD et al. Headache in Clinical Practice. 2nd ed. 2002

# Migraine Preventive Therapies US Classification and Level of Evidence

Level A: Medications with established efficacy\*

- Antiepileptic drugsDivalproex
  - Divalproex sodium
  - Sodium valproate
  - Topiramate
- Beta blockers
  - MetoprololPropranolol

rology 2012;78;1337-1345

Timolol

\* in ≥ 2 Class I Trials

Not all agents are approved for migraine prevention

- Triptans

Frovatriptan

(for menstrual-

related migraine)

#### **Migraine Preventive Therapies**

US Classification and Level of Evidence

Level B: Medications which are probably effective\*

- Antidepressants/SSRI/ SSNRI/TCA
  - Amitriptyline Venlafaxine
- Beta blockers Atenolol Nadolol
- \* in 1 Class I or 2 Class II studies

erstein SD, et al. Neurology 2012;78;1337-1345.

- Triptans

- Naratriptan
- Zolmitriptan (for menstrualrelated migraine)

Not all agents are approved for

#### migraine prevention

#### **Migraine Preventive Therapies**

US Classification and Level of Evidence

Level C: Medications which are possibly effective\*

- ACE inhibitors
  - Lisinopril
- Angiotensin receptor blockers
  - Candesartan
- Alpha agonists
  - Clonidine
  - Guanfacine
- \* in 1 Class II Study

Silberstein SD, et al. Neurology 2012;78;1337-1345

- Antiepileptic drugs

  - Carbamazepine
- Beta blockers
  - Nebivolol Pindolol
- Antihistamines

Cyproheptadine

Not approved for migraine

prevention

## Migraine Preventive Therapies

US Classification and Level of Evidence

Agents with inadequate data or probably ineffective

#### **Inadequate Data**

- Verapamil
- Nicardipine
- Nifedepine
- Fluoxetine
- Acetazolamide
- Gabapentin

Silberstein SD, et al. Neurology 2012;78;1337-1345.

# **Probably Ineffective**

- Lamotrigine
- Oxcarbazepine
- Clonazepam
- Nabumatone
- Telemisartan

Not approved for migraine

prevention

#### **Selection of Prevention Medication**

#### Consider patient comorbidities

- Beta blockers
  - Hypertension, angina
- Anticonvulsants
  - Seizures, mood disorders (valproate), obesity (topiramate)
- Antidepressants
  - Underweight, trouble sleeping, depression

#### Migraines and Pregnancy

- 50%-80% of migraineurs note decreased HA frequency after 1st trimester
- · New-onset migraines in pregnancy warrant workup to r/o secondary causes
- · Optimize trigger management and nonpharmacologic treatments
- Massage, relaxation
- · Acetaminophen, metoclopramide, (NSAIDS before third trimester), triptans
- If prevention is needed, use category C drugs if benefits outweigh risks\*
  - verapamil ?magnesium? - propranolol

Tozer BS, et al. Mayo Clin Proc. August 2006;81:1086-1092

# **NSAIDs/Complementary Treatments for** Migraine Prevention: Level of Evidence

Level A: Established efficacy

■Butterbur (Petasites hybridus)

Level B: Probable efficacy

- ■NSAIDs ibuprofen, naproxen, fenoprofen, ketoprofen
- ■Herbal, vitamins, minerals, other
  - Magnesium, riboflavin, MIG-99 (feverfew), histamine SC

Level C: Possible efficacy

- ■NSAIDs flurbiprofen, mefenamic acid
- ■Herbal, vitamins, minerals, other
  - Co-enzyme Q10, estrogen

Not approved for migraine

d S, et al. Neurology. April 24, 2012 ;78 (17):1346-1353

#### **Commonly Used Alternative Therapies**

Butterbur (petasite): 50-75 mg BID
Oral magnesium: 400-600 mg/d

• Vitamin B<sub>2</sub> (riboflavin): 400 mg/d

Feverfew: No standardized preparations
 NSAIDs: naproxen 500 mg BID and others

• Co-enzyme Q-10: 100 mg TID effective in small trial

http://www.neurology.org/content/78/17/1346.full.pdf+html. Accessed March 10, 2013.

#### **Acupuncture**

- · Appears effective for migraine prophylaxis
  - May be slightly better than pharmacotherapy
  - Sham just as effective as real
  - Strength of Recommendation = A

http://summaries.cochrane.org/CD001218/acupuncture-for-migraine-prophylaxis.

# Osteopathic or Spinal Manual Therapy (OMT or SMT)

- Studies suggest spinal, or osteopathic manipulation may be beneficial for migraines<sup>1</sup>
  - Studies difficult to standardize and randomize due to varying nature and presentations of migraine headaches
- Head to head trial in 218 patients for prophylaxis of migraines<sup>2</sup>:
  - 8 wks of amitriptyline vs SMT had equivalent efficacy
  - Efficacy not better with combination
  - Efficacy better in SMT group 4 wks after both therapies stopped
  - SMT better tolerated than amitriptyline

1. Bronfort G, et al. J Manipulative Physiol Ther. 2001;24(7):457-66 2. Nelson CF et al. J Manipulative Physiol Ther. 1998;21(8):511-9

# Additional Alternative Considerations

- · Exercise
- Yoga
- · Tai Chi
- · Homeopathy
- Hypnotherapy
- · Cold therapy
- · Massage
- · Physical therapy

## **Chronic Migraine Treatment**

- OnabotulinumtoxinA (botox)
  - Approved for prophylaxis of chronic migraine (≥ 15 headache days/month)
  - 8-9 fewer HA compared to 6-7 with placebo
  - 31 injection sites into head/neck Q 3 mo.
  - Boxed warning re: possibility for spread causing weakness in distant area(s)

http://www.accessdata.fda.gov/drugsatfda\_docs/label/2013/103000s5251lbl.pdi

## Summary

- Recurring HA with disability is migraine until proven otherwise
- Both clinician and patient must have realistic expectations
- Use of acute meds > 9 days/month can lead to medication overuse
  - Avoid opiate and barbiturate use
- Chronic migraines can be reduced with prevention strategies, <u>so</u>
- · Offer preventive treatment early